

ANALYTICAL REPORT

Job Number: 460-263208-1

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
8/18/2022 12:56 PM

Designee for
Melissa Haas, Senior Project Manager
777 New Durham Road, Edison, NJ, 08817
(203)308-0880
Melissa.Haas@et.eurofinsus.com
08/18/2022

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

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager. This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Eurofins Edison

777 New Durham Road, Edison, NJ 08817

Tel (732) 549-3900 Fax (732) 549-3679 www.EurofinsUS.com



Job Number: 460-263208-1

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.

A handwritten signature in dark ink that reads "Warlery Infante". The signature is written in a cursive, slightly slanted style. Below the signature is a solid horizontal line.

Approved for release.
Warlery M Infante
Project Management Assistant I
8/18/2022 12:56 PM

Designee for
Melissa Haas

Table of Contents

Cover Title Page	1
Data Summaries	5
Report Narrative	5
Sample Summary	6
Detection Summary	7
Method Summary	8
Client Sample Results	9
Isotope Dilution Summary	14
QC Sample Results	16
Definitions	25
QC Association	26
Chronicle	27
Certification Summary	29
Organic Sample Data	30
LCMS	30
Method PFC IDA	30
Method PFC IDA QC Summary	31
Method PFC IDA Sample Data	54
Standards Data	287
Method PFC IDA ICAL Data	287
Method PFC IDA CCAL Data	707
Raw QC Data	1158
Method PFC IDA Blank Data	1158
Method PFC IDA LCS/LCSD Data	1395
Method PFC IDA MS/MSD Data	1482
Method PFC IDA Run Logs	1670

Table of Contents

Method PFC IDA Prep Data	1674
Inorganic Sample Data	1681
General Chemistry Data	1681
Gen Chem Cover Page	1682
Gen Chem MDL	1683
Gen Chem Analysis Run Log	1684
Gen Chem Raw Data	1686
Gen Chem Prep Data	1687
Subcontracted Data	1688
Shipping and Receiving Documents	1689
Client Chain of Custody	1690
Sample Receipt Checklist	1694

CASE NARRATIVE

Client: Roux Environmental Eng & Geology DPC

Project: Taconic Inwood Lot 9

Report Number: 460-263208-1

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 8/3/2022 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 1.8° C.

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

PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS)

Samples BCS-09-32 (5-5.5)P (460-263208-1), BCS-09-33 (5-5.5)P (460-263208-2), BCS-09-34 (5-5.5)P (460-263208-3) and BCS-09-35 (5-5.5)P (460-263208-4) were analyzed for Per- and Polyfluoroalkyl Substances (PFAS) in accordance with PFC. The samples were prepared on 08/10/2022 and analyzed on 08/11/2022.

No difficulties were encountered during the PFAS analysis.

All quality control parameters were within the acceptance limits.

PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS)

Sample FB-08032022P (460-263208-5) was analyzed for Per- and Polyfluoroalkyl Substances (PFAS) in accordance with PFC. The samples were prepared and analyzed on 08/09/2022.

No difficulties were encountered during the PFAS analysis.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS/PERCENT MOISTURE

Samples BCS-09-32 (5-5.5)P (460-263208-1), BCS-09-33 (5-5.5)P (460-263208-2), BCS-09-34 (5-5.5)P (460-263208-3) and BCS-09-35 (5-5.5)P (460-263208-4) were analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D) Modified. The samples were analyzed on 08/08/2022.

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

All quality control parameters were within the acceptance limits.

Sample Summary

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

Job ID: 460-263208-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-263208-1	BCS-09-32 (5-5.5)P	Solid	08/03/22 13:05	08/03/22 18:00
460-263208-2	BCS-09-33 (5-5.5)P	Solid	08/03/22 13:25	08/03/22 18:00
460-263208-3	BCS-09-34 (5-5.5)P	Solid	08/03/22 13:15	08/03/22 18:00
460-263208-4	BCS-09-35 (5-5.5)P	Solid	08/03/22 13:35	08/03/22 18:00
460-263208-5	FB-08032022P	Water	08/03/22 12:05	08/03/22 18:00

Detection Summary

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

Job ID: 460-263208-1

Client Sample ID: BCS-09-32 (5-5.5)P

Lab Sample ID: 460-263208-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	0.084	J	0.22	0.060	ug/Kg	1		☼	537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	0.078	J	0.22	0.051	ug/Kg	1		☼	537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	0.13	J	0.22	0.064	ug/Kg	1		☼	537 (modified)	Total/NA
Perfluorodecanesulfonic acid (PFDS)	0.041	J	0.22	0.021	ug/Kg	1		☼	537 (modified)	Total/NA

Client Sample ID: BCS-09-33 (5-5.5)P

Lab Sample ID: 460-263208-2

No Detections.

Client Sample ID: BCS-09-34 (5-5.5)P

Lab Sample ID: 460-263208-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Perfluorodecanesulfonic acid (PFDS)	0.021	J	0.22	0.021	ug/Kg	1		☼	537 (modified)	Total/NA

Client Sample ID: BCS-09-35 (5-5.5)P

Lab Sample ID: 460-263208-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	0.068	J	0.23	0.053	ug/Kg	1		☼	537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.086	J	0.23	0.045	ug/Kg	1		☼	537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	0.29		0.23	0.067	ug/Kg	1		☼	537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.061	J	0.23	0.039	ug/Kg	1		☼	537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.26		0.23	0.13	ug/Kg	1		☼	537 (modified)	Total/NA

Client Sample ID: FB-08032022P

Lab Sample ID: 460-263208-5

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

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

Job ID: 460-263208-1

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

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Client Sample Results

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

Job ID: 460-263208-1

Client Sample ID: BCS-09-32 (5-5.5)P

Lab Sample ID: 460-263208-1

Date Collected: 08/03/22 13:05

Matrix: Solid

Date Received: 08/03/22 18:00

Percent Solids: 89.3

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.55	U	0.55	0.36	ug/Kg	☼	08/10/22 17:30	08/11/22 18:55	1
Perfluoropentanoic acid (PFPeA)	0.084	J	0.22	0.060	ug/Kg	☼	08/10/22 17:30	08/11/22 18:55	1
Perfluorohexanoic acid (PFHxA)	0.078	J	0.22	0.051	ug/Kg	☼	08/10/22 17:30	08/11/22 18:55	1
Perfluoroheptanoic acid (PFHpA)	0.22	U	0.22	0.043	ug/Kg	☼	08/10/22 17:30	08/11/22 18:55	1
Perfluorooctanoic acid (PFOA)	0.13	J	0.22	0.064	ug/Kg	☼	08/10/22 17:30	08/11/22 18:55	1
Perfluorononanoic acid (PFNA)	0.22	U	0.22	0.037	ug/Kg	☼	08/10/22 17:30	08/11/22 18:55	1
Perfluorodecanoic acid (PFDA)	0.22	U	0.22	0.031	ug/Kg	☼	08/10/22 17:30	08/11/22 18:55	1
Perfluoroundecanoic acid (PFUnA)	0.22	U	0.22	0.030	ug/Kg	☼	08/10/22 17:30	08/11/22 18:55	1
Perfluorododecanoic acid (PFDoA)	0.22	U	0.22	0.027	ug/Kg	☼	08/10/22 17:30	08/11/22 18:55	1
Perfluorotridecanoic acid (PFTriA)	0.22	U	0.22	0.027	ug/Kg	☼	08/10/22 17:30	08/11/22 18:55	1
Perfluorotetradecanoic acid (PFTeA)	0.22	U	0.22	0.029	ug/Kg	☼	08/10/22 17:30	08/11/22 18:55	1
Perfluorobutanesulfonic acid (PFBS)	0.22	U	0.22	0.036	ug/Kg	☼	08/10/22 17:30	08/11/22 18:55	1
Perfluorohexanesulfonic acid (PFHxS)	0.22	U	0.22	0.045	ug/Kg	☼	08/10/22 17:30	08/11/22 18:55	1
Perfluoroheptanesulfonic acid (PFHpS)	0.22	U	0.22	0.025	ug/Kg	☼	08/10/22 17:30	08/11/22 18:55	1
Perfluorooctanesulfonic acid (PFOS)	0.22	U	0.22	0.12	ug/Kg	☼	08/10/22 17:30	08/11/22 18:55	1
Perfluorodecanesulfonic acid (PFDS)	0.041	J	0.22	0.021	ug/Kg	☼	08/10/22 17:30	08/11/22 18:55	1
Perfluorooctanesulfonamide (FOSA)	0.22	U	0.22	0.037	ug/Kg	☼	08/10/22 17:30	08/11/22 18:55	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.20	U	2.20	0.12	ug/Kg	☼	08/10/22 17:30	08/11/22 18:55	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.20	U	2.20	0.091	ug/Kg	☼	08/10/22 17:30	08/11/22 18:55	1
6:2 FTS	2.20	U	2.20	0.063	ug/Kg	☼	08/10/22 17:30	08/11/22 18:55	1
8:2 FTS	2.20	U	2.20	0.041	ug/Kg	☼	08/10/22 17:30	08/11/22 18:55	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	76		50 - 150				08/10/22 17:30	08/11/22 18:55	1
13C4 PFHpA	89		50 - 150				08/10/22 17:30	08/11/22 18:55	1
13C4 PFOA	94		50 - 150				08/10/22 17:30	08/11/22 18:55	1
13C4 PFOS	72		50 - 150				08/10/22 17:30	08/11/22 18:55	1
13C5 PFNA	91		50 - 150				08/10/22 17:30	08/11/22 18:55	1
13C4 PFBA	86		50 - 150				08/10/22 17:30	08/11/22 18:55	1
13C2 PFHxA	90		50 - 150				08/10/22 17:30	08/11/22 18:55	1
13C2 PFDA	88		50 - 150				08/10/22 17:30	08/11/22 18:55	1
13C2 PFUnA	93		50 - 150				08/10/22 17:30	08/11/22 18:55	1
13C2 PFDoA	90		50 - 150				08/10/22 17:30	08/11/22 18:55	1
13C8 FOSA	70		50 - 150				08/10/22 17:30	08/11/22 18:55	1
13C5 PFPeA	90		50 - 150				08/10/22 17:30	08/11/22 18:55	1
13C2 PFTeDA	93		50 - 150				08/10/22 17:30	08/11/22 18:55	1
d3-NMeFOSAA	79		50 - 150				08/10/22 17:30	08/11/22 18:55	1
d5-NEtFOSAA	85		50 - 150				08/10/22 17:30	08/11/22 18:55	1
M2-6:2 FTS	73		50 - 150				08/10/22 17:30	08/11/22 18:55	1
M2-8:2 FTS	71		50 - 150				08/10/22 17:30	08/11/22 18:55	1
13C3 PFBS	71		50 - 150				08/10/22 17:30	08/11/22 18:55	1

Client Sample Results

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

Job ID: 460-263208-1

Client Sample ID: BCS-09-33 (5-5.5)P

Lab Sample ID: 460-263208-2

Date Collected: 08/03/22 13:25

Matrix: Solid

Date Received: 08/03/22 18:00

Percent Solids: 86.7

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.57	U	0.57	0.37	ug/Kg	☼	08/10/22 17:30	08/11/22 19:03	1
Perfluoropentanoic acid (PFPeA)	0.23	U	0.23	0.062	ug/Kg	☼	08/10/22 17:30	08/11/22 19:03	1
Perfluorohexanoic acid (PFHxA)	0.23	U	0.23	0.052	ug/Kg	☼	08/10/22 17:30	08/11/22 19:03	1
Perfluoroheptanoic acid (PFHpA)	0.23	U	0.23	0.044	ug/Kg	☼	08/10/22 17:30	08/11/22 19:03	1
Perfluorooctanoic acid (PFOA)	0.23	U	0.23	0.066	ug/Kg	☼	08/10/22 17:30	08/11/22 19:03	1
Perfluorononanoic acid (PFNA)	0.23	U	0.23	0.038	ug/Kg	☼	08/10/22 17:30	08/11/22 19:03	1
Perfluorodecanoic acid (PFDA)	0.23	U	0.23	0.032	ug/Kg	☼	08/10/22 17:30	08/11/22 19:03	1
Perfluoroundecanoic acid (PFUnA)	0.23	U	0.23	0.031	ug/Kg	☼	08/10/22 17:30	08/11/22 19:03	1
Perfluorododecanoic acid (PFDoA)	0.23	U	0.23	0.028	ug/Kg	☼	08/10/22 17:30	08/11/22 19:03	1
Perfluorotridecanoic acid (PFTriA)	0.23	U	0.23	0.028	ug/Kg	☼	08/10/22 17:30	08/11/22 19:03	1
Perfluorotetradecanoic acid (PFTeA)	0.23	U	0.23	0.029	ug/Kg	☼	08/10/22 17:30	08/11/22 19:03	1
Perfluorobutanesulfonic acid (PFBS)	0.23	U	0.23	0.037	ug/Kg	☼	08/10/22 17:30	08/11/22 19:03	1
Perfluorohexanesulfonic acid (PFHxS)	0.23	U	0.23	0.046	ug/Kg	☼	08/10/22 17:30	08/11/22 19:03	1
Perfluoroheptanesulfonic acid (PFHpS)	0.23	U	0.23	0.026	ug/Kg	☼	08/10/22 17:30	08/11/22 19:03	1
Perfluorooctanesulfonic acid (PFOS)	0.23	U	0.23	0.12	ug/Kg	☼	08/10/22 17:30	08/11/22 19:03	1
Perfluorodecanesulfonic acid (PFDS)	0.23	U	0.23	0.021	ug/Kg	☼	08/10/22 17:30	08/11/22 19:03	1
Perfluorooctanesulfonamide (FOSA)	0.23	U	0.23	0.038	ug/Kg	☼	08/10/22 17:30	08/11/22 19:03	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.26	U	2.26	0.12	ug/Kg	☼	08/10/22 17:30	08/11/22 19:03	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.26	U	2.26	0.094	ug/Kg	☼	08/10/22 17:30	08/11/22 19:03	1
6:2 FTS	2.26	U	2.26	0.064	ug/Kg	☼	08/10/22 17:30	08/11/22 19:03	1
8:2 FTS	2.26	U	2.26	0.042	ug/Kg	☼	08/10/22 17:30	08/11/22 19:03	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
18O2 PFHxS	81		50 - 150	08/10/22 17:30	08/11/22 19:03	1
13C4 PFHpA	95		50 - 150	08/10/22 17:30	08/11/22 19:03	1
13C4 PFOA	94		50 - 150	08/10/22 17:30	08/11/22 19:03	1
13C4 PFOS	83		50 - 150	08/10/22 17:30	08/11/22 19:03	1
13C5 PFNA	96		50 - 150	08/10/22 17:30	08/11/22 19:03	1
13C4 PFBA	91		50 - 150	08/10/22 17:30	08/11/22 19:03	1
13C2 PFHxA	95		50 - 150	08/10/22 17:30	08/11/22 19:03	1
13C2 PFDA	97		50 - 150	08/10/22 17:30	08/11/22 19:03	1
13C2 PFUnA	89		50 - 150	08/10/22 17:30	08/11/22 19:03	1
13C2 PFDoA	93		50 - 150	08/10/22 17:30	08/11/22 19:03	1
13C8 FOSA	75		50 - 150	08/10/22 17:30	08/11/22 19:03	1
13C5 PFPeA	91		50 - 150	08/10/22 17:30	08/11/22 19:03	1
13C2 PFTeA	99		50 - 150	08/10/22 17:30	08/11/22 19:03	1
d3-NMeFOSAA	88		50 - 150	08/10/22 17:30	08/11/22 19:03	1
d5-NEtFOSAA	84		50 - 150	08/10/22 17:30	08/11/22 19:03	1
M2-6:2 FTS	82		50 - 150	08/10/22 17:30	08/11/22 19:03	1
M2-8:2 FTS	80		50 - 150	08/10/22 17:30	08/11/22 19:03	1
13C3 PFBS	81		50 - 150	08/10/22 17:30	08/11/22 19:03	1

Client Sample Results

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

Job ID: 460-263208-1

Client Sample ID: BCS-09-34 (5-5.5)P

Lab Sample ID: 460-263208-3

Date Collected: 08/03/22 13:15

Matrix: Solid

Date Received: 08/03/22 18:00

Percent Solids: 85.9

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.56	U	0.56	0.37	ug/Kg	☼	08/10/22 17:30	08/11/22 19:12	1
Perfluoropentanoic acid (PFPeA)	0.22	U	0.22	0.062	ug/Kg	☼	08/10/22 17:30	08/11/22 19:12	1
Perfluorohexanoic acid (PFHxA)	0.22	U	0.22	0.052	ug/Kg	☼	08/10/22 17:30	08/11/22 19:12	1
Perfluoroheptanoic acid (PFHpA)	0.22	U	0.22	0.044	ug/Kg	☼	08/10/22 17:30	08/11/22 19:12	1
Perfluorooctanoic acid (PFOA)	0.22	U	0.22	0.065	ug/Kg	☼	08/10/22 17:30	08/11/22 19:12	1
Perfluorononanoic acid (PFNA)	0.22	U	0.22	0.038	ug/Kg	☼	08/10/22 17:30	08/11/22 19:12	1
Perfluorodecanoic acid (PFDA)	0.22	U	0.22	0.031	ug/Kg	☼	08/10/22 17:30	08/11/22 19:12	1
Perfluoroundecanoic acid (PFUnA)	0.22	U	0.22	0.030	ug/Kg	☼	08/10/22 17:30	08/11/22 19:12	1
Perfluorododecanoic acid (PFDoA)	0.22	U	0.22	0.028	ug/Kg	☼	08/10/22 17:30	08/11/22 19:12	1
Perfluorotridecanoic acid (PFTriA)	0.22	U	0.22	0.028	ug/Kg	☼	08/10/22 17:30	08/11/22 19:12	1
Perfluorotetradecanoic acid (PFTeA)	0.22	U	0.22	0.029	ug/Kg	☼	08/10/22 17:30	08/11/22 19:12	1
Perfluorobutanesulfonic acid (PFBS)	0.22	U	0.22	0.037	ug/Kg	☼	08/10/22 17:30	08/11/22 19:12	1
Perfluorohexanesulfonic acid (PFHxS)	0.22	U	0.22	0.046	ug/Kg	☼	08/10/22 17:30	08/11/22 19:12	1
Perfluoroheptanesulfonic acid (PFHpS)	0.22	U	0.22	0.026	ug/Kg	☼	08/10/22 17:30	08/11/22 19:12	1
Perfluorooctanesulfonic acid (PFOS)	0.22	U	0.22	0.12	ug/Kg	☼	08/10/22 17:30	08/11/22 19:12	1
Perfluorodecanesulfonic acid (PFDS)	0.021	J	0.22	0.021	ug/Kg	☼	08/10/22 17:30	08/11/22 19:12	1
Perfluorooctanesulfonamide (FOSA)	0.22	U	0.22	0.038	ug/Kg	☼	08/10/22 17:30	08/11/22 19:12	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.24	U	2.24	0.12	ug/Kg	☼	08/10/22 17:30	08/11/22 19:12	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.24	U	2.24	0.093	ug/Kg	☼	08/10/22 17:30	08/11/22 19:12	1
6:2 FTS	2.24	U	2.24	0.064	ug/Kg	☼	08/10/22 17:30	08/11/22 19:12	1
8:2 FTS	2.24	U	2.24	0.041	ug/Kg	☼	08/10/22 17:30	08/11/22 19:12	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	93		50 - 150				08/10/22 17:30	08/11/22 19:12	1
13C4 PFHpA	99		50 - 150				08/10/22 17:30	08/11/22 19:12	1
13C4 PFOA	99		50 - 150				08/10/22 17:30	08/11/22 19:12	1
13C4 PFOS	87		50 - 150				08/10/22 17:30	08/11/22 19:12	1
13C5 PFNA	92		50 - 150				08/10/22 17:30	08/11/22 19:12	1
13C4 PFBA	93		50 - 150				08/10/22 17:30	08/11/22 19:12	1
13C2 PFHxA	98		50 - 150				08/10/22 17:30	08/11/22 19:12	1
13C2 PFDA	94		50 - 150				08/10/22 17:30	08/11/22 19:12	1
13C2 PFUnA	91		50 - 150				08/10/22 17:30	08/11/22 19:12	1
13C2 PFDoA	92		50 - 150				08/10/22 17:30	08/11/22 19:12	1
13C8 FOSA	76		50 - 150				08/10/22 17:30	08/11/22 19:12	1
13C5 PFPeA	96		50 - 150				08/10/22 17:30	08/11/22 19:12	1
13C2 PFTeDA	92		50 - 150				08/10/22 17:30	08/11/22 19:12	1
d3-NMeFOSAA	88		50 - 150				08/10/22 17:30	08/11/22 19:12	1
d5-NEtFOSAA	86		50 - 150				08/10/22 17:30	08/11/22 19:12	1
M2-6:2 FTS	93		50 - 150				08/10/22 17:30	08/11/22 19:12	1
M2-8:2 FTS	92		50 - 150				08/10/22 17:30	08/11/22 19:12	1
13C3 PFBS	90		50 - 150				08/10/22 17:30	08/11/22 19:12	1

Client Sample Results

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

Job ID: 460-263208-1

Client Sample ID: BCS-09-35 (5-5.5)P

Lab Sample ID: 460-263208-4

Date Collected: 08/03/22 13:35

Matrix: Solid

Date Received: 08/03/22 18:00

Percent Solids: 85.2

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	☼	08/10/22 17:30	08/11/22 19:20	1
Perfluoropentanoic acid (PFPeA)	0.23	U	0.23	0.064	ug/Kg	☼	08/10/22 17:30	08/11/22 19:20	1
Perfluorohexanoic acid (PFHxA)	0.068	J	0.23	0.053	ug/Kg	☼	08/10/22 17:30	08/11/22 19:20	1
Perfluoroheptanoic acid (PFHpA)	0.086	J	0.23	0.045	ug/Kg	☼	08/10/22 17:30	08/11/22 19:20	1
Perfluorooctanoic acid (PFOA)	0.29		0.23	0.067	ug/Kg	☼	08/10/22 17:30	08/11/22 19:20	1
Perfluorononanoic acid (PFNA)	0.061	J	0.23	0.039	ug/Kg	☼	08/10/22 17:30	08/11/22 19:20	1
Perfluorodecanoic acid (PFDA)	0.23	U	0.23	0.032	ug/Kg	☼	08/10/22 17:30	08/11/22 19:20	1
Perfluoroundecanoic acid (PFUnA)	0.23	U	0.23	0.031	ug/Kg	☼	08/10/22 17:30	08/11/22 19:20	1
Perfluorododecanoic acid (PFDoA)	0.23	U	0.23	0.029	ug/Kg	☼	08/10/22 17:30	08/11/22 19:20	1
Perfluorotridecanoic acid (PFTriA)	0.23	U	0.23	0.029	ug/Kg	☼	08/10/22 17:30	08/11/22 19:20	1
Perfluorotetradecanoic acid (PFTeA)	0.23	U	0.23	0.030	ug/Kg	☼	08/10/22 17:30	08/11/22 19:20	1
Perfluorobutanesulfonic acid (PFBS)	0.23	U	0.23	0.038	ug/Kg	☼	08/10/22 17:30	08/11/22 19:20	1
Perfluorohexanesulfonic acid (PFHxS)	0.23	U	0.23	0.047	ug/Kg	☼	08/10/22 17:30	08/11/22 19:20	1
Perfluoroheptanesulfonic acid (PFHpS)	0.23	U	0.23	0.027	ug/Kg	☼	08/10/22 17:30	08/11/22 19:20	1
Perfluorooctanesulfonic acid (PFOS)	0.26		0.23	0.13	ug/Kg	☼	08/10/22 17:30	08/11/22 19:20	1
Perfluorodecanesulfonic acid (PFDS)	0.23	U	0.23	0.022	ug/Kg	☼	08/10/22 17:30	08/11/22 19:20	1
Perfluorooctanesulfonamide (FOSA)	0.23	U	0.23	0.039	ug/Kg	☼	08/10/22 17:30	08/11/22 19:20	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.32	U	2.32	0.13	ug/Kg	☼	08/10/22 17:30	08/11/22 19:20	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.32	U	2.32	0.096	ug/Kg	☼	08/10/22 17:30	08/11/22 19:20	1
6:2 FTS	2.32	U	2.32	0.066	ug/Kg	☼	08/10/22 17:30	08/11/22 19:20	1
8:2 FTS	2.32	U	2.32	0.043	ug/Kg	☼	08/10/22 17:30	08/11/22 19:20	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	89		50 - 150				08/10/22 17:30	08/11/22 19:20	1
13C4 PFHpA	97		50 - 150				08/10/22 17:30	08/11/22 19:20	1
13C4 PFOA	96		50 - 150				08/10/22 17:30	08/11/22 19:20	1
13C4 PFOS	88		50 - 150				08/10/22 17:30	08/11/22 19:20	1
13C5 PFNA	96		50 - 150				08/10/22 17:30	08/11/22 19:20	1
13C4 PFBA	90		50 - 150				08/10/22 17:30	08/11/22 19:20	1
13C2 PFHxA	97		50 - 150				08/10/22 17:30	08/11/22 19:20	1
13C2 PFDA	99		50 - 150				08/10/22 17:30	08/11/22 19:20	1
13C2 PFUnA	95		50 - 150				08/10/22 17:30	08/11/22 19:20	1
13C2 PFDoA	95		50 - 150				08/10/22 17:30	08/11/22 19:20	1
13C8 FOSA	75		50 - 150				08/10/22 17:30	08/11/22 19:20	1
13C5 PFPeA	95		50 - 150				08/10/22 17:30	08/11/22 19:20	1
13C2 PFTeDA	96		50 - 150				08/10/22 17:30	08/11/22 19:20	1
d3-NMeFOSAA	90		50 - 150				08/10/22 17:30	08/11/22 19:20	1
d5-NEtFOSAA	88		50 - 150				08/10/22 17:30	08/11/22 19:20	1
M2-6:2 FTS	93		50 - 150				08/10/22 17:30	08/11/22 19:20	1
M2-8:2 FTS	92		50 - 150				08/10/22 17:30	08/11/22 19:20	1
13C3 PFBS	85		50 - 150				08/10/22 17:30	08/11/22 19:20	1

Client Sample Results

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

Job ID: 460-263208-1

Client Sample ID: FB-08032022P

Lab Sample ID: 460-263208-5

Date Collected: 08/03/22 12:05

Matrix: Water

Date Received: 08/03/22 18:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	3.99	U	3.99	0.96	ng/L		08/09/22 10:37	08/09/22 18:51	1
Perfluoropentanoic acid (PFPeA)	1.60	U	1.60	0.54	ng/L		08/09/22 10:37	08/09/22 18:51	1
Perfluorohexanoic acid (PFHxA)	1.60	U	1.60	0.52	ng/L		08/09/22 10:37	08/09/22 18:51	1
Perfluoroheptanoic acid (PFHpA)	1.60	U	1.60	0.43	ng/L		08/09/22 10:37	08/09/22 18:51	1
Perfluorooctanoic acid (PFOA)	1.60	U	1.60	0.61	ng/L		08/09/22 10:37	08/09/22 18:51	1
Perfluorononanoic acid (PFNA)	1.60	U	1.60	0.39	ng/L		08/09/22 10:37	08/09/22 18:51	1
Perfluorodecanoic acid (PFDA)	1.60	U	1.60	0.37	ng/L		08/09/22 10:37	08/09/22 18:51	1
Perfluoroundecanoic acid (PFUnA)	1.60	U	1.60	0.44	ng/L		08/09/22 10:37	08/09/22 18:51	1
Perfluorododecanoic acid (PFDoA)	1.60	U	1.60	0.39	ng/L		08/09/22 10:37	08/09/22 18:51	1
Perfluorotridecanoic acid (PFTriA)	1.60	U	1.60	0.38	ng/L		08/09/22 10:37	08/09/22 18:51	1
Perfluorotetradecanoic acid (PFTeA)	1.60	U	1.60	0.51	ng/L		08/09/22 10:37	08/09/22 18:51	1
Perfluorobutanesulfonic acid (PFBS)	1.60	U	1.60	0.49	ng/L		08/09/22 10:37	08/09/22 18:51	1
Perfluorohexanesulfonic acid (PFHxS)	1.60	U	1.60	0.44	ng/L		08/09/22 10:37	08/09/22 18:51	1
Perfluoroheptanesulfonic acid (PFHpS)	1.60	U	1.60	0.33	ng/L		08/09/22 10:37	08/09/22 18:51	1
Perfluorodecanesulfonic acid (PFDS)	1.60	U	1.60	0.32	ng/L		08/09/22 10:37	08/09/22 18:51	1
Perfluorooctanesulfonic acid (PFOS)	1.60	U	1.60	0.68	ng/L		08/09/22 10:37	08/09/22 18:51	1
Perfluorooctanesulfonamide (FOSA)	1.60	U	1.60	0.73	ng/L		08/09/22 10:37	08/09/22 18:51	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	3.99	U	3.99	1.52	ng/L		08/09/22 10:37	08/09/22 18:51	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	3.99	U	3.99	1.28	ng/L		08/09/22 10:37	08/09/22 18:51	1
6:2 FTS	3.99	U	3.99	1.04	ng/L		08/09/22 10:37	08/09/22 18:51	1
8:2 FTS	1.60	U	1.60	0.61	ng/L		08/09/22 10:37	08/09/22 18:51	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C8 FOSA	83		50 - 150				08/09/22 10:37	08/09/22 18:51	1
13C4 PFBA	98		50 - 150				08/09/22 10:37	08/09/22 18:51	1
13C5 PFPeA	101		50 - 150				08/09/22 10:37	08/09/22 18:51	1
13C2 PFHxA	105		50 - 150				08/09/22 10:37	08/09/22 18:51	1
13C4 PFHpA	100		50 - 150				08/09/22 10:37	08/09/22 18:51	1
13C4 PFOA	97		50 - 150				08/09/22 10:37	08/09/22 18:51	1
13C5 PFNA	98		50 - 150				08/09/22 10:37	08/09/22 18:51	1
13C2 PFDA	102		50 - 150				08/09/22 10:37	08/09/22 18:51	1
13C2 PFUnA	97		50 - 150				08/09/22 10:37	08/09/22 18:51	1
13C2 PFDoA	100		50 - 150				08/09/22 10:37	08/09/22 18:51	1
13C2 PFTeA	100		50 - 150				08/09/22 10:37	08/09/22 18:51	1
13C3 PFBS	96		50 - 150				08/09/22 10:37	08/09/22 18:51	1
18O2 PFHxS	98		50 - 150				08/09/22 10:37	08/09/22 18:51	1
13C4 PFOS	94		50 - 150				08/09/22 10:37	08/09/22 18:51	1
d3-NMeFOSAA	87		50 - 150				08/09/22 10:37	08/09/22 18:51	1
d5-NEtFOSAA	90		50 - 150				08/09/22 10:37	08/09/22 18:51	1
M2-6:2 FTS	94		50 - 150				08/09/22 10:37	08/09/22 18:51	1
M2-8:2 FTS	99		50 - 150				08/09/22 10:37	08/09/22 18:51	1

Isotope Dilution Summary

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

Job ID: 460-263208-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Solid

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFHxS (50-150)	C4PFHA (50-150)	PFOA (50-150)	PFOS (50-150)	PFNA (50-150)	PFBA (50-150)	PFHxA (50-150)	PFDA (50-150)
460-263208-1	BCS-09-32 (5-5.5)P	76	89	94	72	91	86	90	88
460-263208-2	BCS-09-33 (5-5.5)P	81	95	94	83	96	91	95	97
460-263208-3	BCS-09-34 (5-5.5)P	93	99	99	87	92	93	98	94
460-263208-4	BCS-09-35 (5-5.5)P	89	97	96	88	96	90	97	99
460-263422-A-2-B MS	Matrix Spike	73	80	88	69	88	78	80	88
460-263422-A-2-C MSD	Matrix Spike Duplicate	80	89	91	73	89	82	86	98
LCS 200-182554/2-A	Lab Control Sample	91	98	94	86	94	89	95	93
MB 200-182554/1-A	Method Blank	92	95	97	84	93	89	100	94

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFUnA (50-150)	PFDaA (50-150)	PFOSA (50-150)	PFPeA (50-150)	PFTDA (50-150)	d3NMFOS (50-150)	d5NEFOS (50-150)	M262FTS (50-150)
460-263208-1	BCS-09-32 (5-5.5)P	93	90	70	90	93	79	85	73
460-263208-2	BCS-09-33 (5-5.5)P	89	93	75	91	99	88	84	82
460-263208-3	BCS-09-34 (5-5.5)P	91	92	76	96	92	88	86	93
460-263208-4	BCS-09-35 (5-5.5)P	95	95	75	95	96	90	88	93
460-263422-A-2-B MS	Matrix Spike	95	97	62	77	88	101	116	96
460-263422-A-2-C MSD	Matrix Spike Duplicate	106	107	66	86	99	104	129	97
LCS 200-182554/2-A	Lab Control Sample	88	87	71	93	98	84	84	92
MB 200-182554/1-A	Method Blank	94	90	73	94	99	87	89	90

		Percent Isotope Dilution Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	M282FTS (50-150)	C3PFBS (50-150)
460-263208-1	BCS-09-32 (5-5.5)P	71	71
460-263208-2	BCS-09-33 (5-5.5)P	80	81
460-263208-3	BCS-09-34 (5-5.5)P	92	90
460-263208-4	BCS-09-35 (5-5.5)P	92	85
460-263422-A-2-B MS	Matrix Spike	125	69
460-263422-A-2-C MSD	Matrix Spike Duplicate	131	76
LCS 200-182554/2-A	Lab Control Sample	92	87
MB 200-182554/1-A	Method Blank	95	85

Surrogate Legend

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

Isotope Dilution Summary

Client: Roux Environmental Eng & Geology DPC

Job ID: 460-263208-1

Project/Site: Taconic Inwood Lot 9

C3PFBS = 13C3 PFBS

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	C4PFHA (50-150)	PFOA (50-150)	PFNA (50-150)	PFBA (50-150)	PFHxA (50-150)	PFDA (50-150)	PFHxS (50-150)	PFUnA (50-150)
200-64441-A-11-B MS	Matrix Spike	95	101	99	65	95	105	93	104
200-64441-A-11-C MSD	Matrix Spike Duplicate	104	100	106	69	101	103	101	106
460-263208-5	FB-08032022P	100	97	98	98	105	102	98	97
LCS 200-182492/2-A	Lab Control Sample	104	102	102	97	104	106	102	102
MB 200-182492/1-A	Method Blank	106	108	109	93	103	103	105	100

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFDaA (50-150)	PFOS (50-150)	PFOSA (50-150)	PFPeA (50-150)	PFTDA (50-150)	d3NMFOS (50-150)	d5NEFOS (50-150)	M262FTS (50-150)
200-64441-A-11-B MS	Matrix Spike	103	95	90	92	77	95	100	114
200-64441-A-11-C MSD	Matrix Spike Duplicate	104	101	91	91	80	103	106	116
460-263208-5	FB-08032022P	100	94	83	101	100	87	90	94
LCS 200-182492/2-A	Lab Control Sample	91	102	83	101	96	99	90	102
MB 200-182492/1-A	Method Blank	97	101	84	106	104	94	97	102

		Percent Isotope Dilution Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	C3PFBS (50-150)	M282FTS (50-150)
200-64441-A-11-B MS	Matrix Spike	91	120
200-64441-A-11-C MSD	Matrix Spike Duplicate	93	117
460-263208-5	FB-08032022P	96	99
LCS 200-182492/2-A	Lab Control Sample	101	110
MB 200-182492/1-A	Method Blank	99	105

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

PFDaA = 13C2 PFDaA

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

QC Sample Results

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

Job ID: 460-263208-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 200-182492/1-A

Matrix: Water

Analysis Batch: 182508

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 182492

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		08/09/22 10:37	08/09/22 16:32	1
Perfluoropentanoic acid (PFPeA)	2.00	U	2.00	0.68	ng/L		08/09/22 10:37	08/09/22 16:32	1
Perfluorohexanoic acid (PFHxA)	2.00	U	2.00	0.65	ng/L		08/09/22 10:37	08/09/22 16:32	1
Perfluoroheptanoic acid (PFHpA)	2.00	U	2.00	0.54	ng/L		08/09/22 10:37	08/09/22 16:32	1
Perfluorooctanoic acid (PFOA)	2.00	U	2.00	0.76	ng/L		08/09/22 10:37	08/09/22 16:32	1
Perfluorononanoic acid (PFNA)	2.00	U	2.00	0.49	ng/L		08/09/22 10:37	08/09/22 16:32	1
Perfluorodecanoic acid (PFDA)	2.00	U	2.00	0.46	ng/L		08/09/22 10:37	08/09/22 16:32	1
Perfluoroundecanoic acid (PFUnA)	2.00	U	2.00	0.55	ng/L		08/09/22 10:37	08/09/22 16:32	1
Perfluorododecanoic acid (PFDoA)	2.00	U	2.00	0.49	ng/L		08/09/22 10:37	08/09/22 16:32	1
Perfluorotridecanoic acid (PFTriA)	2.00	U	2.00	0.48	ng/L		08/09/22 10:37	08/09/22 16:32	1
Perfluorotetradecanoic acid (PFTeA)	2.00	U	2.00	0.64	ng/L		08/09/22 10:37	08/09/22 16:32	1
Perfluorobutanesulfonic acid (PFBS)	2.00	U	2.00	0.62	ng/L		08/09/22 10:37	08/09/22 16:32	1
Perfluorohexanesulfonic acid (PFHxS)	2.00	U	2.00	0.55	ng/L		08/09/22 10:37	08/09/22 16:32	1
Perfluoroheptanesulfonic acid (PFHpS)	2.00	U	2.00	0.41	ng/L		08/09/22 10:37	08/09/22 16:32	1
Perfluorodecanesulfonic acid (PFDS)	2.00	U	2.00	0.40	ng/L		08/09/22 10:37	08/09/22 16:32	1
Perfluorooctanesulfonic acid (PFOS)	2.00	U	2.00	0.85	ng/L		08/09/22 10:37	08/09/22 16:32	1
Perfluorooctanesulfonamide (FOSA)	2.00	U	2.00	0.92	ng/L		08/09/22 10:37	08/09/22 16:32	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	5.00	U	5.00	1.90	ng/L		08/09/22 10:37	08/09/22 16:32	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	5.00	U	5.00	1.60	ng/L		08/09/22 10:37	08/09/22 16:32	1
6:2 FTS	5.00	U	5.00	1.30	ng/L		08/09/22 10:37	08/09/22 16:32	1
8:2 FTS	2.00	U	2.00	0.77	ng/L		08/09/22 10:37	08/09/22 16:32	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
¹³ C4 PFHpA	106		50 - 150	08/09/22 10:37	08/09/22 16:32	1
¹³ C4 PFOA	108		50 - 150	08/09/22 10:37	08/09/22 16:32	1
¹³ C5 PFNA	109		50 - 150	08/09/22 10:37	08/09/22 16:32	1
¹³ C4 PFBA	93		50 - 150	08/09/22 10:37	08/09/22 16:32	1
¹³ C2 PFHxA	103		50 - 150	08/09/22 10:37	08/09/22 16:32	1
¹³ C2 PFDA	103		50 - 150	08/09/22 10:37	08/09/22 16:32	1
¹³ C2 PFUnA	100		50 - 150	08/09/22 10:37	08/09/22 16:32	1
¹⁸ O2 PFHxS	105		50 - 150	08/09/22 10:37	08/09/22 16:32	1
¹³ C2 PFDoA	97		50 - 150	08/09/22 10:37	08/09/22 16:32	1
¹³ C4 PFOS	101		50 - 150	08/09/22 10:37	08/09/22 16:32	1
¹³ C8 FOSA	84		50 - 150	08/09/22 10:37	08/09/22 16:32	1
¹³ C5 PFPeA	106		50 - 150	08/09/22 10:37	08/09/22 16:32	1
¹³ C2 PFTeDA	104		50 - 150	08/09/22 10:37	08/09/22 16:32	1
d3-NMeFOSAA	94		50 - 150	08/09/22 10:37	08/09/22 16:32	1
d5-NEtFOSAA	97		50 - 150	08/09/22 10:37	08/09/22 16:32	1
M2-6:2 FTS	102		50 - 150	08/09/22 10:37	08/09/22 16:32	1
¹³ C3 PFBS	99		50 - 150	08/09/22 10:37	08/09/22 16:32	1
M2-8:2 FTS	105		50 - 150	08/09/22 10:37	08/09/22 16:32	1

QC Sample Results

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

Job ID: 460-263208-1

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

Lab Sample ID: LCS 200-182492/2-A

Matrix: Water

Analysis Batch: 182508

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 182492

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	80.0	82.13		ng/L		103	70 - 130
Perfluoropentanoic acid (PFPeA)	80.0	85.12		ng/L		106	70 - 130
Perfluorohexanoic acid (PFHxA)	80.0	87.00		ng/L		109	70 - 130
Perfluoroheptanoic acid (PFHpA)	80.0	83.25		ng/L		104	70 - 130
Perfluorooctanoic acid (PFOA)	80.0	86.41		ng/L		108	70 - 130
Perfluorononanoic acid (PFNA)	80.0	84.80		ng/L		106	70 - 130
Perfluorodecanoic acid (PFDA)	80.0	87.12		ng/L		109	70 - 130
Perfluoroundecanoic acid (PFUnA)	80.0	88.44		ng/L		111	70 - 130
Perfluorododecanoic acid (PFDoA)	80.0	83.73		ng/L		105	70 - 130
Perfluorotridecanoic acid (PFTriA)	80.0	84.06		ng/L		105	70 - 130
Perfluorotetradecanoic acid (PFTeA)	80.0	74.59		ng/L		93	70 - 130
Perfluorobutanesulfonic acid (PFBS)	70.7	76.20		ng/L		108	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	72.8	76.67		ng/L		105	70 - 130
Perfluoroheptanesulfonic acid (PFHpS)	76.2	81.97		ng/L		108	70 - 130
Perfluorodecanesulfonic acid (PFDS)	77.1	71.75		ng/L		93	70 - 130
Perfluorooctanesulfonic acid (PFOS)	74.2	79.57		ng/L		107	70 - 130
Perfluorooctanesulfonamide (FOSA)	80.0	80.86		ng/L		101	70 - 130
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	80.0	78.77		ng/L		98	70 - 130
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	80.0	80.43		ng/L		101	70 - 130
6:2 FTS	75.8	84.00		ng/L		111	60 - 140
8:2 FTS	76.6	79.27		ng/L		103	70 - 130

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4 PFHpA	104		50 - 150
13C4 PFOA	102		50 - 150
13C5 PFNA	102		50 - 150
13C4 PFBA	97		50 - 150
13C2 PFHxA	104		50 - 150
13C2 PFDA	106		50 - 150
13C2 PFUnA	102		50 - 150
18O2 PFHxS	102		50 - 150
13C2 PFDoA	91		50 - 150
13C4 PFOS	102		50 - 150
13C8 FOSA	83		50 - 150
13C5 PFPeA	101		50 - 150
13C2 PFTeDA	96		50 - 150
d3-NMeFOSAA	99		50 - 150
d5-NEtFOSAA	90		50 - 150
M2-6:2 FTS	102		50 - 150

QC Sample Results

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

Job ID: 460-263208-1

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

Lab Sample ID: LCS 200-182492/2-A

Matrix: Water

Analysis Batch: 182508

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 182492

Isotope Dilution	LCS		Limits
	%Recovery	Qualifier	
13C3 PFBS	101		50 - 150
M2-8:2 FTS	110		50 - 150

Lab Sample ID: 200-64441-A-11-B MS

Matrix: Water

Analysis Batch: 182508

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 182492

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	%Rec Limits
				Result	Qualifier				
Perfluorobutanoic acid (PFBA)	4.27	U	68.6	65.66		ng/L		96	60 - 140
Perfluoropentanoic acid (PFPeA)	1.71	U	68.6	70.64		ng/L		103	60 - 140
Perfluorohexanoic acid (PFHxA)	1.71	U	68.6	72.51		ng/L		106	60 - 140
Perfluoroheptanoic acid (PFHpA)	1.71	U	68.6	74.04		ng/L		108	60 - 140
Perfluorooctanoic acid (PFOA)	1.71	U	68.6	71.51		ng/L		104	60 - 140
Perfluorononanoic acid (PFNA)	1.71	U	68.6	73.40		ng/L		107	60 - 140
Perfluorodecanoic acid (PFDA)	1.71	U	68.6	72.19		ng/L		105	60 - 140
Perfluoroundecanoic acid (PFUnA)	1.71	U	68.6	69.25		ng/L		101	60 - 140
Perfluorododecanoic acid (PFDoA)	1.71	U	68.6	73.87		ng/L		108	60 - 140
Perfluorotridecanoic acid (PFTriA)	1.71	U	68.6	70.63		ng/L		103	60 - 140
Perfluorotetradecanoic acid (PFTeA)	1.71	U	68.6	73.63		ng/L		107	60 - 140
Perfluorobutanesulfonic acid (PFBS)	1.71	U	60.7	63.25		ng/L		104	60 - 140
Perfluorohexanesulfonic acid (PFHxS)	1.71	U	62.5	65.35		ng/L		105	60 - 140
Perfluoroheptanesulfonic acid (PFHpS)	1.71	U	65.3	70.40		ng/L		108	60 - 140
Perfluorodecanesulfonic acid (PFDS)	1.71	U	66.2	68.02		ng/L		103	60 - 140
Perfluorooctanesulfonic acid (PFOS)	1.71	U	63.7	68.47		ng/L		107	60 - 140
Perfluorooctanesulfonamide (FOSA)	1.71	U	68.6	70.98		ng/L		103	60 - 140
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.27	U	68.6	75.11		ng/L		109	60 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.27	U	68.6	72.40		ng/L		105	60 - 140
6:2 FTS	4.27	U	65.1	73.81		ng/L		113	50 - 150
8:2 FTS	1.71	U	65.8	72.77		ng/L		111	60 - 140

Isotope Dilution	MS		Limits
	%Recovery	Qualifier	
13C4 PFHpA	95		50 - 150
13C4 PFOA	101		50 - 150
13C5 PFNA	99		50 - 150
13C4 PFBA	65		50 - 150
13C2 PFHxA	95		50 - 150
13C2 PFDA	105		50 - 150
13C2 PFUnA	104		50 - 150
18O2 PFHxS	93		50 - 150
13C2 PFDoA	103		50 - 150

Eurofins Edison

QC Sample Results

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

Job ID: 460-263208-1

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

Lab Sample ID: 200-64441-A-11-B MS

Matrix: Water

Analysis Batch: 182508

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 182492

	MS	MS	
Isotope Dilution	%Recovery	Qualifier	Limits
13C4 PFOS	95		50 - 150
13C8 FOSA	90		50 - 150
13C5 PFPeA	92		50 - 150
13C2 PFTeDA	77		50 - 150
d3-NMeFOSAA	95		50 - 150
d5-NEtFOSAA	100		50 - 150
M2-6:2 FTS	114		50 - 150
13C3 PFBS	91		50 - 150
M2-8:2 FTS	120		50 - 150

Lab Sample ID: 200-64441-A-11-C MSD

Matrix: Water

Analysis Batch: 182508

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 182492

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	4.27	U	69.3	59.90		ng/L		86	60 - 140	9	30
Perfluoropentanoic acid (PFPeA)	1.71	U	69.3	68.00		ng/L		98	60 - 140	4	30
Perfluorohexanoic acid (PFHxA)	1.71	U	69.3	67.95		ng/L		98	60 - 140	6	30
Perfluoroheptanoic acid (PFHpA)	1.71	U	69.3	66.46		ng/L		96	60 - 140	11	30
Perfluorooctanoic acid (PFOA)	1.71	U	69.3	68.65		ng/L		99	60 - 140	4	30
Perfluorononanoic acid (PFNA)	1.71	U	69.3	65.53		ng/L		95	60 - 140	11	30
Perfluorodecanoic acid (PFDA)	1.71	U	69.3	67.67		ng/L		98	60 - 140	6	30
Perfluoroundecanoic acid (PFUnA)	1.71	U	69.3	70.84		ng/L		102	60 - 140	2	30
Perfluorododecanoic acid (PFDoA)	1.71	U	69.3	62.04		ng/L		90	60 - 140	17	30
Perfluorotridecanoic acid (PFTriA)	1.71	U	69.3	62.84		ng/L		91	60 - 140	12	30
Perfluorotetradecanoic acid (PFTeA)	1.71	U	69.3	65.70		ng/L		95	60 - 140	11	30
Perfluorobutanesulfonic acid (PFBS)	1.71	U	61.2	59.28		ng/L		97	60 - 140	6	30
Perfluorohexanesulfonic acid (PFHxS)	1.71	U	63.0	59.58		ng/L		95	60 - 140	9	30
Perfluoroheptanesulfonic acid (PFHpS)	1.71	U	66.0	62.08		ng/L		94	60 - 140	13	30
Perfluorodecanesulfonic acid (PFDS)	1.71	U	66.8	62.24		ng/L		93	60 - 140	9	30
Perfluorooctanesulfonic acid (PFOS)	1.71	U	64.3	63.81		ng/L		99	60 - 140	7	30
Perfluorooctanesulfonamide (FOSA)	1.71	U	69.3	66.59		ng/L		96	60 - 140	6	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.27	U	69.3	68.64		ng/L		99	60 - 140	9	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.27	U	69.3	65.94		ng/L		95	60 - 140	9	30
6:2 FTS	4.27	U	65.7	70.07		ng/L		107	50 - 150	5	30
8:2 FTS	1.71	U	66.4	67.98		ng/L		102	60 - 140	7	30
	MSD	MSD									
Isotope Dilution	%Recovery	Qualifier	Limits								
13C4 PFHpA	104		50 - 150								
13C4 PFOA	100		50 - 150								

QC Sample Results

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

Job ID: 460-263208-1

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

Lab Sample ID: 200-64441-A-11-C MSD

Matrix: Water

Analysis Batch: 182508

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 182492

Isotope Dilution	MSD MSD		Limits
	%Recovery	Qualifier	
13C5 PFNA	106		50 - 150
13C4 PFBA	69		50 - 150
13C2 PFHxA	101		50 - 150
13C2 PFDA	103		50 - 150
13C2 PFUnA	106		50 - 150
18O2 PFHxS	101		50 - 150
13C2 PFDoA	104		50 - 150
13C4 PFOS	101		50 - 150
13C8 FOSA	91		50 - 150
13C5 PFPeA	91		50 - 150
13C2 PFTeDA	80		50 - 150
d3-NMeFOSAA	103		50 - 150
d5-NEtFOSAA	106		50 - 150
M2-6:2 FTS	116		50 - 150
13C3 PFBS	93		50 - 150
M2-8:2 FTS	117		50 - 150

Lab Sample ID: MB 200-182554/1-A

Matrix: Solid

Analysis Batch: 182595

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 182554

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorobutanoic acid (PFBA)	0.50	U	0.50	0.33	ug/Kg		08/10/22 17:30	08/11/22 18:39	1
Perfluoropentanoic acid (PFPeA)	0.20	U	0.20	0.055	ug/Kg		08/10/22 17:30	08/11/22 18:39	1
Perfluorohexanoic acid (PFHxA)	0.20	U	0.20	0.046	ug/Kg		08/10/22 17:30	08/11/22 18:39	1
Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.039	ug/Kg		08/10/22 17:30	08/11/22 18:39	1
Perfluorooctanoic acid (PFOA)	0.20	U	0.20	0.058	ug/Kg		08/10/22 17:30	08/11/22 18:39	1
Perfluorononanoic acid (PFNA)	0.20	U	0.20	0.034	ug/Kg		08/10/22 17:30	08/11/22 18:39	1
Perfluorodecanoic acid (PFDA)	0.20	U	0.20	0.028	ug/Kg		08/10/22 17:30	08/11/22 18:39	1
Perfluoroundecanoic acid (PFUnA)	0.20	U	0.20	0.027	ug/Kg		08/10/22 17:30	08/11/22 18:39	1
Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.025	ug/Kg		08/10/22 17:30	08/11/22 18:39	1
Perfluorotridecanoic acid (PFTriA)	0.20	U	0.20	0.025	ug/Kg		08/10/22 17:30	08/11/22 18:39	1
Perfluorotetradecanoic acid (PFTeA)	0.20	U	0.20	0.026	ug/Kg		08/10/22 17:30	08/11/22 18:39	1
Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.033	ug/Kg		08/10/22 17:30	08/11/22 18:39	1
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.041	ug/Kg		08/10/22 17:30	08/11/22 18:39	1
Perfluoroheptanesulfonic acid (PFHpS)	0.20	U	0.20	0.023	ug/Kg		08/10/22 17:30	08/11/22 18:39	1
Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.019	ug/Kg		08/10/22 17:30	08/11/22 18:39	1
Perfluorooctanesulfonic acid (PFOS)	0.20	U	0.20	0.11	ug/Kg		08/10/22 17:30	08/11/22 18:39	1
Perfluorooctanesulfonamide (FOSA)	0.20	U	0.20	0.034	ug/Kg		08/10/22 17:30	08/11/22 18:39	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	U	2.00	0.11	ug/Kg		08/10/22 17:30	08/11/22 18:39	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	U	2.00	0.083	ug/Kg		08/10/22 17:30	08/11/22 18:39	1
6:2 FTS	2.00	U	2.00	0.057	ug/Kg		08/10/22 17:30	08/11/22 18:39	1
8:2 FTS	2.00	U	2.00	0.037	ug/Kg		08/10/22 17:30	08/11/22 18:39	1

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C4 PFHpA	95		50 - 150	08/10/22 17:30	08/11/22 18:39	1
13C4 PFOA	97		50 - 150	08/10/22 17:30	08/11/22 18:39	1

Eurofins Edison

QC Sample Results

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

Job ID: 460-263208-1

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

Lab Sample ID: MB 200-182554/1-A

Matrix: Solid

Analysis Batch: 182595

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 182554

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C5 PFNA	93		50 - 150	08/10/22 17:30	08/11/22 18:39	1
13C4 PFBA	89		50 - 150	08/10/22 17:30	08/11/22 18:39	1
13C2 PFHxA	100		50 - 150	08/10/22 17:30	08/11/22 18:39	1
13C2 PFDA	94		50 - 150	08/10/22 17:30	08/11/22 18:39	1
13C2 PFUnA	94		50 - 150	08/10/22 17:30	08/11/22 18:39	1
18O2 PFHxS	92		50 - 150	08/10/22 17:30	08/11/22 18:39	1
13C2 PFDoA	90		50 - 150	08/10/22 17:30	08/11/22 18:39	1
13C4 PFOS	84		50 - 150	08/10/22 17:30	08/11/22 18:39	1
13C8 FOSA	73		50 - 150	08/10/22 17:30	08/11/22 18:39	1
13C5 PFPeA	94		50 - 150	08/10/22 17:30	08/11/22 18:39	1
13C2 PFTeDA	99		50 - 150	08/10/22 17:30	08/11/22 18:39	1
d3-NMeFOSAA	87		50 - 150	08/10/22 17:30	08/11/22 18:39	1
d5-NEtFOSAA	89		50 - 150	08/10/22 17:30	08/11/22 18:39	1
M2-6:2 FTS	90		50 - 150	08/10/22 17:30	08/11/22 18:39	1
13C3 PFBS	85		50 - 150	08/10/22 17:30	08/11/22 18:39	1
M2-8:2 FTS	95		50 - 150	08/10/22 17:30	08/11/22 18:39	1

Lab Sample ID: LCS 200-182554/2-A

Matrix: Solid

Analysis Batch: 182595

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 182554

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	2.00	1.871		ug/Kg		94	60 - 140
Perfluoropentanoic acid (PFPeA)	2.00	2.001		ug/Kg		100	60 - 140
Perfluorohexanoic acid (PFHxA)	2.00	2.021		ug/Kg		101	60 - 140
Perfluoroheptanoic acid (PFHpA)	2.00	1.912		ug/Kg		96	60 - 140
Perfluorooctanoic acid (PFOA)	2.00	1.900		ug/Kg		95	60 - 140
Perfluorononanoic acid (PFNA)	2.00	1.896		ug/Kg		95	60 - 140
Perfluorodecanoic acid (PFDA)	2.00	1.899		ug/Kg		95	60 - 140
Perfluoroundecanoic acid (PFUnA)	2.00	1.870		ug/Kg		93	60 - 140
Perfluorododecanoic acid (PFDoA)	2.00	1.945		ug/Kg		97	60 - 140
Perfluorotridecanoic acid (PFTriA)	2.00	2.062		ug/Kg		103	60 - 140
Perfluorotetradecanoic acid (PFTeA)	2.00	1.926		ug/Kg		96	60 - 140
Perfluorobutanesulfonic acid (PFBS)	1.77	1.700		ug/Kg		96	60 - 140
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.724		ug/Kg		95	60 - 140
Perfluoroheptanesulfonic acid (PFHpS)	1.90	1.873		ug/Kg		98	60 - 140
Perfluorodecanesulfonic acid (PFDS)	1.93	1.667		ug/Kg		86	60 - 140
Perfluorooctanesulfonic acid (PFOS)	1.86	1.752		ug/Kg		94	60 - 140
Perfluorooctanesulfonamide (FOSA)	2.00	1.958		ug/Kg		98	60 - 140
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	1.912	J	ug/Kg		96	60 - 140

Eurofins Edison

QC Sample Results

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

Job ID: 460-263208-1

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

Lab Sample ID: LCS 200-182554/2-A

Matrix: Solid

Analysis Batch: 182595

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 182554

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
N-ethylperfluorooctanesulfonamide doacetic acid (NEtFOSAA)	2.00	1.751	J	ug/Kg		88	60 - 140
6:2 FTS	1.90	1.998	J	ug/Kg		105	50 - 150
8:2 FTS	1.92	1.885	J	ug/Kg		98	60 - 140

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4 PFHpA	98		50 - 150
13C4 PFOA	94		50 - 150
13C5 PFNA	94		50 - 150
13C4 PFBA	89		50 - 150
13C2 PFHxA	95		50 - 150
13C2 PFDA	93		50 - 150
13C2 PFUnA	88		50 - 150
18O2 PFHxS	91		50 - 150
13C2 PFDoA	87		50 - 150
13C4 PFOS	86		50 - 150
13C8 FOSA	71		50 - 150
13C5 PFPeA	93		50 - 150
13C2 PFTeDA	98		50 - 150
d3-NMeFOSAA	84		50 - 150
d5-NEtFOSAA	84		50 - 150
M2-6:2 FTS	92		50 - 150
13C3 PFBS	87		50 - 150
M2-8:2 FTS	92		50 - 150

Lab Sample ID: 460-263422-A-2-B MS

Matrix: Solid

Analysis Batch: 182595

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 182554

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	0.54	U	2.16	2.192		ug/Kg	☼	101	60 - 140
Perfluoropentanoic acid (PFPeA)	0.18	J	2.16	2.419		ug/Kg	☼	103	60 - 140
Perfluorohexanoic acid (PFHxA)	0.16	J	2.16	2.276		ug/Kg	☼	98	60 - 140
Perfluoroheptanoic acid (PFHpA)	0.16	J	2.16	2.227		ug/Kg	☼	96	60 - 140
Perfluorooctanoic acid (PFOA)	0.64		2.16	2.734		ug/Kg	☼	97	60 - 140
Perfluorononanoic acid (PFNA)	0.12	J	2.16	2.277		ug/Kg	☼	100	60 - 140
Perfluorodecanoic acid (PFDA)	0.081	J	2.16	2.161		ug/Kg	☼	96	60 - 140
Perfluoroundecanoic acid (PFUnA)	0.043	J	2.16	2.240		ug/Kg	☼	102	60 - 140
Perfluorododecanoic acid (PFDoA)	0.033	J	2.16	2.222		ug/Kg	☼	101	60 - 140
Perfluorotridecanoic acid (PFTriA)	0.21	U	2.16	2.071		ug/Kg	☼	96	60 - 140
Perfluorotetradecanoic acid (PFTeA)	0.21	U	2.16	2.117		ug/Kg	☼	98	60 - 140
Perfluorobutanesulfonic acid (PFBS)	0.21	U	1.91	1.930		ug/Kg	☼	101	60 - 140
Perfluorohexanesulfonic acid (PFHxS)	0.061	J	1.97	1.998		ug/Kg	☼	98	60 - 140
Perfluoroheptanesulfonic acid (PFHpS)	0.21	U	2.06	2.211		ug/Kg	☼	107	60 - 140

Eurofins Edison

QC Sample Results

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

Job ID: 460-263208-1

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

Lab Sample ID: 460-263422-A-2-B MS

Matrix: Solid

Analysis Batch: 182595

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 182554

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorodecanesulfonic acid (PFDS)	0.021	J	2.08	2.162		ug/Kg	☼	103	60 - 140
Perfluorooctanesulfonic acid (PFOS)	2.72		2.01	5.021		ug/Kg	☼	115	60 - 140
Perfluorooctanesulfonamide (FOSA)	0.21	U	2.16	2.177		ug/Kg	☼	101	60 - 140
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.14	U	2.16	2.267		ug/Kg	☼	105	60 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.14	U	2.16	2.071	J	ug/Kg	☼	96	60 - 140
6:2 FTS	2.14	U	2.05	2.225		ug/Kg	☼	109	50 - 150
8:2 FTS	0.099	J	2.07	2.396		ug/Kg	☼	111	60 - 140

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C4 PFHpA	80		50 - 150
13C4 PFOA	88		50 - 150
13C5 PFNA	88		50 - 150
13C4 PFBA	78		50 - 150
13C2 PFHxA	80		50 - 150
13C2 PFDA	88		50 - 150
13C2 PFUnA	95		50 - 150
18O2 PFHxS	73		50 - 150
13C2 PFDoA	97		50 - 150
13C4 PFOS	69		50 - 150
13C8 FOSA	62		50 - 150
13C5 PFPeA	77		50 - 150
13C2 PFTeDA	88		50 - 150
d3-NMeFOSAA	101		50 - 150
d5-NEtFOSAA	116		50 - 150
M2-6:2 FTS	96		50 - 150
13C3 PFBS	69		50 - 150
M2-8:2 FTS	125		50 - 150

Lab Sample ID: 460-263422-A-2-C MSD

Matrix: Solid

Analysis Batch: 182595

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 182554

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Perfluorobutanoic acid (PFBA)	0.54	U	2.15	2.214		ug/Kg	☼	103	60 - 140	1	30
Perfluoropentanoic acid (PFPeA)	0.18	J	2.15	2.305		ug/Kg	☼	99	60 - 140	5	30
Perfluorohexanoic acid (PFHxA)	0.16	J	2.15	2.315		ug/Kg	☼	100	60 - 140	2	30
Perfluoroheptanoic acid (PFHpA)	0.16	J	2.15	2.254		ug/Kg	☼	97	60 - 140	1	30
Perfluorooctanoic acid (PFOA)	0.64		2.15	2.758		ug/Kg	☼	98	60 - 140	1	30
Perfluorononanoic acid (PFNA)	0.12	J	2.15	2.269		ug/Kg	☼	100	60 - 140	0	30
Perfluorodecanoic acid (PFDA)	0.081	J	2.15	2.158		ug/Kg	☼	96	60 - 140	0	30
Perfluoroundecanoic acid (PFUnA)	0.043	J	2.15	2.101		ug/Kg	☼	96	60 - 140	6	30
Perfluorododecanoic acid (PFDoA)	0.033	J	2.15	2.164		ug/Kg	☼	99	60 - 140	3	30
Perfluorotridecanoic acid (PFTriA)	0.21	U	2.15	2.131		ug/Kg	☼	99	60 - 140	3	30

Eurofins Edison

QC Sample Results

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

Job ID: 460-263208-1

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

Lab Sample ID: 460-263422-A-2-C MSD

Matrix: Solid

Analysis Batch: 182595

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 182554

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorotetradecanoic acid (PFTeA)	0.21	U	2.15	2.277		ug/Kg	☼	106	60 - 140	7	30
Perfluorobutanesulfonic acid (PFBS)	0.21	U	1.90	1.959		ug/Kg	☼	103	60 - 140	2	30
Perfluorohexanesulfonic acid (PFHxS)	0.061	J	1.96	1.987		ug/Kg	☼	98	60 - 140	1	30
Perfluoroheptanesulfonic acid (PFHpS)	0.21	U	2.05	2.212		ug/Kg	☼	108	60 - 140	0	30
Perfluorodecanesulfonic acid (PFDS)	0.021	J	2.08	2.218		ug/Kg	☼	106	60 - 140	3	30
Perfluorooctanesulfonic acid (PFOS)	2.72		2.00	4.943		ug/Kg	☼	111	60 - 140	2	30
Perfluorooctanesulfonamide (FOSA)	0.21	U	2.15	2.226		ug/Kg	☼	103	60 - 140	2	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.14	U	2.15	2.289		ug/Kg	☼	106	60 - 140	1	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.14	U	2.15	2.039	J	ug/Kg	☼	95	60 - 140	2	30
6:2 FTS	2.14	U	2.04	2.222		ug/Kg	☼	109	50 - 150	0	30
8:2 FTS	0.099	J	2.06	2.377		ug/Kg	☼	110	60 - 140	1	30

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C4 PFHpA	89		50 - 150
13C4 PFOA	91		50 - 150
13C5 PFNA	89		50 - 150
13C4 PFBA	82		50 - 150
13C2 PFHxA	86		50 - 150
13C2 PFDA	98		50 - 150
13C2 PFUnA	106		50 - 150
18O2 PFHxS	80		50 - 150
13C2 PFDoA	107		50 - 150
13C4 PFOS	73		50 - 150
13C8 FOSA	66		50 - 150
13C5 PFPeA	86		50 - 150
13C2 PFTeDA	99		50 - 150
d3-NMeFOSAA	104		50 - 150
d5-NEtFOSAA	129		50 - 150
M2-6:2 FTS	97		50 - 150
13C3 PFBS	76		50 - 150
M2-8:2 FTS	131		50 - 150

Definitions/Glossary

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

Job ID: 460-263208-1

Qualifiers

LCMS

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

Glossary

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

QC Association Summary

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

Job ID: 460-263208-1

LCMS

Prep Batch: 182492

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-263208-5	FB-08032022P	Total/NA	Water	3535	
MB 200-182492/1-A	Method Blank	Total/NA	Water	3535	
LCS 200-182492/2-A	Lab Control Sample	Total/NA	Water	3535	
200-64441-A-11-B MS	Matrix Spike	Total/NA	Water	3535	
200-64441-A-11-C MSD	Matrix Spike Duplicate	Total/NA	Water	3535	

Analysis Batch: 182508

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-263208-5	FB-08032022P	Total/NA	Water	537 (modified)	182492
MB 200-182492/1-A	Method Blank	Total/NA	Water	537 (modified)	182492
LCS 200-182492/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	182492
200-64441-A-11-B MS	Matrix Spike	Total/NA	Water	537 (modified)	182492
200-64441-A-11-C MSD	Matrix Spike Duplicate	Total/NA	Water	537 (modified)	182492

Prep Batch: 182554

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-263208-1	BCS-09-32 (5-5.5)P	Total/NA	Solid	SHAKE	
460-263208-2	BCS-09-33 (5-5.5)P	Total/NA	Solid	SHAKE	
460-263208-3	BCS-09-34 (5-5.5)P	Total/NA	Solid	SHAKE	
460-263208-4	BCS-09-35 (5-5.5)P	Total/NA	Solid	SHAKE	
MB 200-182554/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 200-182554/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
460-263422-A-2-B MS	Matrix Spike	Total/NA	Solid	SHAKE	
460-263422-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	SHAKE	

Analysis Batch: 182595

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-263208-1	BCS-09-32 (5-5.5)P	Total/NA	Solid	537 (modified)	182554
460-263208-2	BCS-09-33 (5-5.5)P	Total/NA	Solid	537 (modified)	182554
460-263208-3	BCS-09-34 (5-5.5)P	Total/NA	Solid	537 (modified)	182554
460-263208-4	BCS-09-35 (5-5.5)P	Total/NA	Solid	537 (modified)	182554
MB 200-182554/1-A	Method Blank	Total/NA	Solid	537 (modified)	182554
LCS 200-182554/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	182554
460-263422-A-2-B MS	Matrix Spike	Total/NA	Solid	537 (modified)	182554
460-263422-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	537 (modified)	182554

General Chemistry

Analysis Batch: 182447

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-263208-1	BCS-09-32 (5-5.5)P	Total/NA	Solid	Moisture	
460-263208-2	BCS-09-33 (5-5.5)P	Total/NA	Solid	Moisture	
460-263208-3	BCS-09-34 (5-5.5)P	Total/NA	Solid	Moisture	
460-263208-4	BCS-09-35 (5-5.5)P	Total/NA	Solid	Moisture	
200-64450-A-8 DU	Duplicate	Total/NA	Solid	Moisture	

Lab Chronicle

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

Job ID: 460-263208-1

Client Sample ID: BCS-09-32 (5-5.5)P

Date Collected: 08/03/22 13:05

Date Received: 08/03/22 18:00

Lab Sample ID: 460-263208-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	182447	RWM	EET BUR	08/08/22 14:19

Client Sample ID: BCS-09-32 (5-5.5)P

Date Collected: 08/03/22 13:05

Date Received: 08/03/22 18:00

Lab Sample ID: 460-263208-1

Matrix: Solid

Percent Solids: 89.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			182554	EK	EET BUR	08/10/22 17:30
Total/NA	Analysis	537 (modified)		1	182595	ND	EET BUR	08/11/22 18:55

Client Sample ID: BCS-09-33 (5-5.5)P

Date Collected: 08/03/22 13:25

Date Received: 08/03/22 18:00

Lab Sample ID: 460-263208-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	182447	RWM	EET BUR	08/08/22 14:19

Client Sample ID: BCS-09-33 (5-5.5)P

Date Collected: 08/03/22 13:25

Date Received: 08/03/22 18:00

Lab Sample ID: 460-263208-2

Matrix: Solid

Percent Solids: 86.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			182554	EK	EET BUR	08/10/22 17:30
Total/NA	Analysis	537 (modified)		1	182595	ND	EET BUR	08/11/22 19:03

Client Sample ID: BCS-09-34 (5-5.5)P

Date Collected: 08/03/22 13:15

Date Received: 08/03/22 18:00

Lab Sample ID: 460-263208-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	182447	RWM	EET BUR	08/08/22 14:19

Client Sample ID: BCS-09-34 (5-5.5)P

Date Collected: 08/03/22 13:15

Date Received: 08/03/22 18:00

Lab Sample ID: 460-263208-3

Matrix: Solid

Percent Solids: 85.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			182554	EK	EET BUR	08/10/22 17:30
Total/NA	Analysis	537 (modified)		1	182595	ND	EET BUR	08/11/22 19:12

Client Sample ID: BCS-09-35 (5-5.5)P

Date Collected: 08/03/22 13:35

Date Received: 08/03/22 18:00

Lab Sample ID: 460-263208-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	182447	RWM	EET BUR	08/08/22 14:19

Lab Chronicle

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

Job ID: 460-263208-1

Client Sample ID: BCS-09-35 (5-5.5)P

Lab Sample ID: 460-263208-4

Date Collected: 08/03/22 13:35

Matrix: Solid

Date Received: 08/03/22 18:00

Percent Solids: 85.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			182554	EK	EET BUR	08/10/22 17:30
Total/NA	Analysis	537 (modified)		1	182595	ND	EET BUR	08/11/22 19:20

Client Sample ID: FB-08032022P

Lab Sample ID: 460-263208-5

Date Collected: 08/03/22 12:05

Matrix: Water

Date Received: 08/03/22 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			182492	KFW	EET BUR	08/09/22 10:37
Total/NA	Analysis	537 (modified)		1	182508	ND	EET BUR	08/09/22 18:51

Laboratory References:

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

Accreditation/Certification Summary

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

Job ID: 460-263208-1

Laboratory: Eurofins Burlington

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

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

Method PFC IDA

Fluorinated Hydrocarbons by Method
PFAS IDA

FORM II
PFAS SURROGATE RECOVERY

Lab Name: Eurofins Burlington Job No.: 460-263208-1
 SDG No.: _____
 Matrix: Solid Level: Low
 GC Column (1): C-18 ID: 4.6 (mm)

Client Sample ID	Lab Sample ID	PFBA #	PFPeA #	C3PFBS #	PFHxA #	PFHxS #	C4PFHA #	M262FTS #	PFOA #
BCS-09-32 (5-5.5)P	460-263208-1	86	90	71	90	76	89	73	94
BCS-09-33 (5-5.5)P	460-263208-2	91	91	81	95	81	95	82	94
BCS-09-34 (5-5.5)P	460-263208-3	93	96	90	98	93	99	93	99
BCS-09-35 (5-5.5)P	460-263208-4	90	95	85	97	89	97	93	96
	MB 200-182554/1-A	89	94	85	100	92	95	90	97
	LCS 200-182554/2-A	89	93	87	95	91	98	92	94
	460-263422-A-2-B MS	78	77	69	80	73	80	96	88
	460-263422-A-2-C MSD	82	86	76	86	80	89	97	91

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

Column to be used to flag recovery values

FORM II 537 (modified)

FORM II
PFAS SURROGATE RECOVERY

Lab Name: Eurofins Burlington Job No.: 460-263208-1
 SDG No.: _____
 Matrix: Solid Level: Low
 GC Column (1): C-18 ID: 4.6 (mm)

Client Sample ID	Lab Sample ID	PFOS #	PFNA #	PFDA #	M282FTS #	PFOSA #	d3NMFOS #	d5NEFOS #	PFUnA #
BCS-09-32 (5-5.5)P	460-263208-1	72	91	88	71	70	79	85	93
BCS-09-33 (5-5.5)P	460-263208-2	83	96	97	80	75	88	84	89
BCS-09-34 (5-5.5)P	460-263208-3	87	92	94	92	76	88	86	91
BCS-09-35 (5-5.5)P	460-263208-4	88	96	99	92	75	90	88	95
	MB 200-182554/1-A	84	93	94	95	73	87	89	94
	LCS 200-182554/2-A	86	94	93	92	71	84	84	88
	460-263422-A-2-B MS	69	88	88	125	62	101	116	95
	460-263422-A-2-C MSD	73	89	98	131	66	104	129	106

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

Column to be used to flag recovery values

FORM II 537 (modified)

FORM II
PFAS SURROGATE RECOVERY

Lab Name: Eurofins Burlington Job No.: 460-263208-1
 SDG No.: _____
 Matrix: Solid Level: Low
 GC Column (1): C-18 ID: 4.6 (mm)

Client Sample ID	Lab Sample ID	PFD _o A #	PFTDA #
BCS-09-32 (5-5.5)P	460-263208-1	90	93
BCS-09-33 (5-5.5)P	460-263208-2	93	99
BCS-09-34 (5-5.5)P	460-263208-3	92	92
BCS-09-35 (5-5.5)P	460-263208-4	95	96
	MB 200-182554/1-A	90	99
	LCS 200-182554/2-A	87	98
	460-263422-A-2-B MS	97	88
	460-263422-A-2-C MSD	107	99

PFD_oA = 13C2 PFD_oA
 PFTDA = 13C2 PFTeDA

QC LIMITS
50-150
 50-150

Column to be used to flag recovery values

FORM II 537 (modified)

FORM II
PFAS SURROGATE RECOVERY

Lab Name: Eurofins Burlington Job No.: 460-263208-1
 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-08032022P	460-263208-5	98	101	96	105	100	98	94	97
	MB 200-182492/1-A	93	106	99	103	106	105	102	108
	LCS 200-182492/2-A	97	101	101	104	104	102	102	102
	200-64441-A-11-B MS	65	92	91	95	95	93	114	101
	200-64441-A-11-C MSD	69	91	93	101	104	101	116	100

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

Column to be used to flag recovery values

FORM II 537 (modified)

FORM II
PFAS SURROGATE RECOVERY

Lab Name: Eurofins Burlington Job No.: 460-263208-1
 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-08032022P	460-263208-5	94	98	102	99	83	87	97	90
	MB 200-182492/1-A	101	109	103	105	84	94	100	97
	LCS 200-182492/2-A	102	102	106	110	83	99	102	90
	200-64441-A-11-B MS	95	99	105	120	90	95	104	100
	200-64441-A-11-C MSD	101	106	103	117	91	103	106	106

	<u>QC LIMITS</u>
PFOS = 13C4 PFOS	50-150
PFNA = 13C5 PFNA	50-150
PFDA = 13C2 PFDA	50-150
M282FTS = M2-8:2 FTS	50-150
PFOSA = 13C8 FOSA	50-150
d3NMFOS = d3-NMeFOSAA	50-150
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.: 460-263208-1
SDG No.: _____
Matrix: Water Level: Low
GC Column (1): C-18 ID: 4.6 (mm)

Client Sample ID	Lab Sample ID	PFD _o A #	PFTDA #
FB-08032022P	460-263208-5	100	100
	MB 200-182492/1-A	97	104
	LCS 200-182492/2-A	91	96
	200-64441-A-11-B MS	103	77
	200-64441-A-11-C MSD	104	80

PFD_oA = 13C2 PFD_oA
PFTDA = 13C2 PFTeDA

QC LIMITS
50-150
50-150

Column to be used to flag recovery values

FORM II 537 (modified)

FORM III
PFAS LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Burlington Job No.: 460-263208-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: PA220809A07.d
 Lab ID: LCS 200-182492/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS % REC	QC LIMITS REC	#
Perfluorobutanoic acid (PFBA)	80.0	82.13	103	70-130	
Perfluoropentanoic acid (PFPeA)	80.0	85.12	106	70-130	
Perfluorohexanoic acid (PFHxA)	80.0	87.00	109	70-130	
Perfluoroheptanoic acid (PFHpA)	80.0	83.25	104	70-130	
Perfluorooctanoic acid (PFOA)	80.0	86.41	108	70-130	
Perfluorononanoic acid (PFNA)	80.0	84.80	106	70-130	
Perfluorodecanoic acid (PFDA)	80.0	87.12	109	70-130	
Perfluoroundecanoic acid (PFUnA)	80.0	88.44	111	70-130	
Perfluorododecanoic acid (PFDoA)	80.0	83.73	105	70-130	
Perfluorotridecanoic acid (PFTriA)	80.0	84.06	105	70-130	
Perfluorotetradecanoic acid (PFTeA)	80.0	74.59	93	70-130	
Perfluorobutanesulfonic acid (PFBS)	70.7	76.20	108	70-130	
Perfluorohexanesulfonic acid (PFHxS)	72.8	76.67	105	70-130	
Perfluoroheptanesulfonic acid (PFHpS)	76.2	81.97	108	70-130	
Perfluorodecanesulfonic acid (PFDS)	77.1	71.75	93	70-130	
Perfluorooctanesulfonic acid (PFOS)	74.2	79.57	107	70-130	
Perfluorooctanesulfonamide (FOSA)	80.0	80.86	101	70-130	
13C4 PFHpA	50.0	52.24	104	50-150	
13C4 PFOA	50.0	50.81	102	50-150	
13C5 PFNA	50.0	51.25	102	50-150	
13C4 PFBA	50.0	48.50	97	50-150	
13C2 PFHxA	50.0	52.13	104	50-150	
13C2 PFDA	50.0	52.80	106	50-150	
13C2 PFUnA	50.0	50.86	102	50-150	
18O2 PFHxS	47.3	48.15	102	50-150	
13C2 PFDoA	50.0	45.73	91	50-150	
13C4 PFOS	47.8	48.59	102	50-150	
13C8 FOSA	50.0	41.34	83	50-150	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	80.0	78.77	98	70-130	
13C5 PFPeA	50.0	50.63	101	50-150	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	80.0	80.43	101	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.: 460-263208-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: PA220809A07.d
 Lab ID: LCS 200-182492/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS % REC	QC LIMITS REC	#
13C2 PFTeDA	50.0	48.15	96	50-150	
d3-NMeFOSAA	50.0	49.75	99	50-150	
6:2 FTS	75.8	84.00	111	60-140	
d5-NEtFOSAA	50.0	44.84	90	50-150	
8:2 FTS	76.6	79.27	103	70-130	
M2-6:2 FTS	47.5	48.50	102	50-150	
13C3 PFBS	46.5	46.86	101	50-150	
M2-8:2 FTS	47.9	52.56	110	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.: 460-263208-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: PA220811B03.d
 Lab ID: LCS 200-182554/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Perfluorobutanoic acid (PFBA)	2.00	1.871	94	60-140	
Perfluoropentanoic acid (PFPeA)	2.00	2.001	100	60-140	
Perfluorohexanoic acid (PFHxA)	2.00	2.021	101	60-140	
Perfluoroheptanoic acid (PFHpA)	2.00	1.912	96	60-140	
Perfluorooctanoic acid (PFOA)	2.00	1.900	95	60-140	
Perfluorononanoic acid (PFNA)	2.00	1.896	95	60-140	
Perfluorodecanoic acid (PFDA)	2.00	1.899	95	60-140	
Perfluoroundecanoic acid (PFUnA)	2.00	1.870	93	60-140	
Perfluorododecanoic acid (PFDoA)	2.00	1.945	97	60-140	
Perfluorotridecanoic acid (PFTriA)	2.00	2.062	103	60-140	
Perfluorotetradecanoic acid (PFTeA)	2.00	1.926	96	60-140	
Perfluorobutanesulfonic acid (PFBS)	1.77	1.700	96	60-140	
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.724	95	60-140	
Perfluoroheptanesulfonic acid (PFHpS)	1.90	1.873	98	60-140	
Perfluorodecanesulfonic acid (PFDS)	1.93	1.667	86	60-140	
Perfluorooctanesulfonic acid (PFOS)	1.86	1.752	94	60-140	
Perfluorooctanesulfonamide (FOSA)	2.00	1.958	98	60-140	
13C4 PFHpA	2.50	2.449	98	50-150	
13C4 PFOA	2.50	2.353	94	50-150	
13C5 PFNA	2.50	2.345	94	50-150	
13C4 PFBA	2.50	2.225	89	50-150	
13C2 PFHxA	2.50	2.381	95	50-150	
13C2 PFDA	2.50	2.337	93	50-150	
13C2 PFUnA	2.50	2.212	88	50-150	
18O2 PFHxS	2.37	2.153	91	50-150	
13C2 PFDoA	2.50	2.166	87	50-150	
13C4 PFOS	2.39	2.063	86	50-150	
13C8 FOSA	2.50	1.778	71	50-150	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	1.912 J	96	60-140	
13C5 PFPeA	2.50	2.329	93	50-150	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	1.751 J	88	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.: 460-263208-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: PA220811B03.d
 Lab ID: LCS 200-182554/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
13C2 PFTeDA	2.50	2.440	98	50-150	
d3-NMeFOSAA	2.50	2.094	84	50-150	
6:2 FTS	1.90	1.998 J	105	50-150	
d5-NEtFOSAA	2.50	2.110	84	50-150	
8:2 FTS	1.92	1.885 J	98	60-140	
M2-6:2 FTS	2.38	2.194	92	50-150	
13C3 PFBS	2.33	2.013	87	50-150	
M2-8:2 FTS	2.40	2.194	92	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.: 460-263208-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: PA220809A20.d
 Lab ID: 200-64441-A-11-B MS Client ID: _____

COMPOUND	SPIKE ADDED (ng/L)	SAMPLE CONCENTRATION (ng/L)	MS CONCENTRATION (ng/L)	MS % REC	QC LIMITS REC	#
Perfluorobutanoic acid (PFBA)	68.6	4.27 U	65.66	96	60-140	
Perfluoropentanoic acid (PFPeA)	68.6	1.71 U	70.64	103	60-140	
Perfluorohexanoic acid (PFHxA)	68.6	1.71 U	72.51	106	60-140	
Perfluoroheptanoic acid (PFHpA)	68.6	1.71 U	74.04	108	60-140	
Perfluorooctanoic acid (PFOA)	68.6	1.71 U	71.51	104	60-140	
Perfluorononanoic acid (PFNA)	68.6	1.71 U	73.40	107	60-140	
Perfluorodecanoic acid (PFDA)	68.6	1.71 U	72.19	105	60-140	
Perfluoroundecanoic acid (PFUnA)	68.6	1.71 U	69.25	101	60-140	
Perfluorododecanoic acid (PFDoA)	68.6	1.71 U	73.87	108	60-140	
Perfluorotridecanoic acid (PFTriA)	68.6	1.71 U	70.63	103	60-140	
Perfluorotetradecanoic acid (PFTeA)	68.6	1.71 U	73.63	107	60-140	
Perfluorobutanesulfonic acid (PFBS)	60.7	1.71 U	63.25	104	60-140	
Perfluorohexanesulfonic acid (PFHxS)	62.5	1.71 U	65.35	105	60-140	
Perfluoroheptanesulfonic acid (PFHpS)	65.3	1.71 U	70.40	108	60-140	
Perfluorodecanesulfonic acid (PFDS)	66.2	1.71 U	68.02	103	60-140	
Perfluorooctanesulfonic acid (PFOS)	63.7	1.71 U	68.47	107	60-140	
Perfluorooctanesulfonamide (FOSA)	68.6	1.71 U	70.98	103	60-140	
13C4 PFHpA	42.9	42.5	40.93	95	50-150	
13C4 PFOA	42.9	43.1	43.30	101	50-150	
13C5 PFNA	42.9	45.2	42.37	99	50-150	
13C4 PFBA	42.9	28.2	27.88	65	50-150	
13C2 PFHxA	42.9	40.4	40.94	95	50-150	
13C2 PFDA	42.9	42.7	45.25	105	50-150	
13C2 PFUnA	42.9	46.3	44.60	104	50-150	
18O2 PFHxS	40.6	38.7	37.73	93	50-150	
13C2 PFDoA	42.9	43.2	44.14	103	50-150	
13C4 PFOS	41.0	39.9	39.13	95	50-150	
13C8 FOSA	42.9	36.8	38.71	90	50-150	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	68.6	4.27 U	75.11	109	60-140	
13C5 PFPeA	42.9	37.9	39.47	92	50-150	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	68.6	4.27 U	72.40	105	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.: 460-263208-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: PA220809A20.d
 Lab ID: 200-64441-A-11-B MS Client ID: _____

COMPOUND	SPIKE ADDED (ng/L)	SAMPLE CONCENTRATION (ng/L)	MS CONCENTRATION (ng/L)	MS % REC	QC LIMITS REC	#
13C2 PFTeDA	42.9	30.0	32.89	77	50-150	
d3-NMeFOSAA	42.9	43.0	40.71	95	50-150	
6:2 FTS	65.1	4.27 U	73.81	113	50-150	
d5-NEtFOSAA	42.9	44.4	42.70	100	50-150	
8:2 FTS	65.8	1.71 U	72.77	111	60-140	
M2-6:2 FTS	40.8	48.2	46.53	114	50-150	
13C3 PFBS	39.9	36.1	36.16	91	50-150	
M2-8:2 FTS	41.1	49.8	49.16	120	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.: 460-263208-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: PA220811B17.d
 Lab ID: 460-263422-A-2-B MS Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Perfluorobutanoic acid (PFBA)	2.16	0.54 U	2.192	101	60-140	
Perfluoropentanoic acid (PFPeA)	2.16	0.18 J	2.419	103	60-140	
Perfluorohexanoic acid (PFHxA)	2.16	0.16 J	2.276	98	60-140	
Perfluoroheptanoic acid (PFHpA)	2.16	0.16 J	2.227	96	60-140	
Perfluorooctanoic acid (PFOA)	2.16	0.64	2.734	97	60-140	
Perfluorononanoic acid (PFNA)	2.16	0.12 J	2.277	100	60-140	
Perfluorodecanoic acid (PFDA)	2.16	0.081 J	2.161	96	60-140	
Perfluoroundecanoic acid (PFUnA)	2.16	0.043 J	2.240	102	60-140	
Perfluorododecanoic acid (PFDoA)	2.16	0.033 J	2.222	101	60-140	
Perfluorotridecanoic acid (PFTriA)	2.16	0.21 U	2.071	96	60-140	
Perfluorotetradecanoic acid (PFTeA)	2.16	0.21 U	2.117	98	60-140	
Perfluorobutanesulfonic acid (PFBS)	1.91	0.21 U	1.930	101	60-140	
Perfluorohexanesulfonic acid (PFHxS)	1.97	0.061 J	1.998	98	60-140	
Perfluoroheptanesulfonic acid (PFHpS)	2.06	0.21 U	2.211	107	60-140	
Perfluorodecanesulfonic acid (PFDS)	2.08	0.021 J	2.162	103	60-140	
Perfluorooctanesulfonic acid (PFOS)	2.01	2.72	5.021	115	60-140	
Perfluorooctanesulfonamide (FOSA)	2.16	0.21 U	2.177	101	60-140	
13C4 PFHpA	2.70	2.36	2.167	80	50-150	
13C4 PFOA	2.70	2.40	2.371	88	50-150	
13C5 PFNA	2.70	2.49	2.376	88	50-150	
13C4 PFBA	2.70	2.22	2.116	78	50-150	
13C2 PFHxA	2.70	2.34	2.164	80	50-150	
13C2 PFDA	2.70	2.53	2.389	88	50-150	
13C2 PFUnA	2.70	2.84	2.579	95	50-150	
18O2 PFHxS	2.56	2.01	1.869	73	50-150	
13C2 PFDoA	2.70	2.73	2.611	97	50-150	
13C4 PFOS	2.58	1.92	1.787	69	50-150	
13C8 FOSA	2.70	1.80	1.670	62	50-150	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.16	2.14 U	2.267	105	60-140	
13C5 PFPeA	2.70	2.27	2.076	77	50-150	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.16	2.14 U	2.071 J	96	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.: 460-263208-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: PA220811B17.d
 Lab ID: 460-263422-A-2-B MS Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
13C2 PFTeDA	2.70	2.68	2.384	88	50-150	
d3-NMeFOSAA	2.70	2.63	2.731	101	50-150	
6:2 FTS	2.05	2.14 U	2.225	109	50-150	
d5-NEtFOSAA	2.70	3.10	3.130	116	50-150	
8:2 FTS	2.07	0.099 J	2.396	111	60-140	
M2-6:2 FTS	2.57	2.56	2.472	96	50-150	
13C3 PFBS	2.51	1.76	1.744	69	50-150	
M2-8:2 FTS	2.59	3.22	3.225	125	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.: 460-263208-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: PA220809A21.d
 Lab ID: 200-64441-A-11-C MSD Client ID: _____

COMPOUND	SPIKE ADDED (ng/L)	MSD CONCENTRATION (ng/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Perfluorobutanoic acid (PFBA)	69.3	59.90	86	9	30	60-140	
Perfluoropentanoic acid (PFPeA)	69.3	68.00	98	4	30	60-140	
Perfluorohexanoic acid (PFHxA)	69.3	67.95	98	6	30	60-140	
Perfluoroheptanoic acid (PFHpA)	69.3	66.46	96	11	30	60-140	
Perfluorooctanoic acid (PFOA)	69.3	68.65	99	4	30	60-140	
Perfluorononanoic acid (PFNA)	69.3	65.53	95	11	30	60-140	
Perfluorodecanoic acid (PFDA)	69.3	67.67	98	6	30	60-140	
Perfluoroundecanoic acid (PFUnA)	69.3	70.84	102	2	30	60-140	
Perfluorododecanoic acid (PFDoA)	69.3	62.04	90	17	30	60-140	
Perfluorotridecanoic acid (PFTriA)	69.3	62.84	91	12	30	60-140	
Perfluorotetradecanoic acid (PFTeA)	69.3	65.70	95	11	30	60-140	
Perfluorobutanesulfonic acid (PFBS)	61.2	59.28	97	6	30	60-140	
Perfluorohexanesulfonic acid (PFHxS)	63.0	59.58	95	9	30	60-140	
Perfluoroheptanesulfonic acid (PFHpS)	66.0	62.08	94	13	30	60-140	
Perfluorodecanesulfonic acid (PFDS)	66.8	62.24	93	9	30	60-140	
Perfluorooctanesulfonic acid (PFOS)	64.3	63.81	99	7	30	60-140	
Perfluorooctanesulfonamide (FOSA)	69.3	66.59	96	6	30	60-140	
13C4 PFHpA	43.3	45.23	104			50-150	
13C4 PFOA	43.3	43.26	100			50-150	
13C5 PFNA	43.3	46.07	106			50-150	
13C4 PFBA	43.3	29.75	69			50-150	
13C2 PFHxA	43.3	43.62	101			50-150	
13C2 PFDA	43.3	44.73	103			50-150	
13C2 PFUnA	43.3	46.00	106			50-150	
18O2 PFHxS	41.0	41.39	101			50-150	
13C2 PFDoA	43.3	45.07	104			50-150	
13C4 PFOS	41.4	41.84	101			50-150	
13C8 FOSA	43.3	39.34	91			50-150	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	69.3	68.64	99	9	30	60-140	
13C5 PFPeA	43.3	39.42	91			50-150	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	69.3	65.94	95	9	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.: 460-263208-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: PA220809A21.d
 Lab ID: 200-64441-A-11-C MSD Client ID: _____

COMPOUND	SPIKE ADDED (ng/L)	MSD CONCENTRATION (ng/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
13C2 PFTeDA	43.3	34.44	80			50-150	
d3-NMeFOSAA	43.3	44.45	103			50-150	
6:2 FTS	65.7	70.07	107	5	30	50-150	
d5-NEtFOSAA	43.3	45.70	106			50-150	
8:2 FTS	66.4	67.98	102	7	30	60-140	
M2-6:2 FTS	41.1	47.79	116			50-150	
13C3 PFBS	40.3	37.56	93			50-150	
M2-8:2 FTS	41.5	48.61	117			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.: 460-263208-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: PA220811B18.d
 Lab ID: 460-263422-A-2-C MSD Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Perfluorobutanoic acid (PFBA)	2.15	2.214	103	1	30	60-140	
Perfluoropentanoic acid (PFPeA)	2.15	2.305	99	5	30	60-140	
Perfluorohexanoic acid (PFHxA)	2.15	2.315	100	2	30	60-140	
Perfluoroheptanoic acid (PFHpA)	2.15	2.254	97	1	30	60-140	
Perfluorooctanoic acid (PFOA)	2.15	2.758	98	1	30	60-140	
Perfluorononanoic acid (PFNA)	2.15	2.269	100	0	30	60-140	
Perfluorodecanoic acid (PFDA)	2.15	2.158	96	0	30	60-140	
Perfluoroundecanoic acid (PFUnA)	2.15	2.101	96	6	30	60-140	
Perfluorododecanoic acid (PFDoA)	2.15	2.164	99	3	30	60-140	
Perfluorotridecanoic acid (PFTriA)	2.15	2.131	99	3	30	60-140	
Perfluorotetradecanoic acid (PFTeA)	2.15	2.277	106	7	30	60-140	
Perfluorobutanesulfonic acid (PFBS)	1.90	1.959	103	2	30	60-140	
Perfluorohexanesulfonic acid (PFHxS)	1.96	1.987	98	1	30	60-140	
Perfluoroheptanesulfonic acid (PFHpS)	2.05	2.212	108	0	30	60-140	
Perfluorodecanesulfonic acid (PFDS)	2.08	2.218	106	3	30	60-140	
Perfluorooctanesulfonic acid (PFOS)	2.00	4.943	111	2	30	60-140	
Perfluorooctanesulfonamide (FOSA)	2.15	2.226	103	2	30	60-140	
13C4 PFHpA	2.69	2.400	89			50-150	
13C4 PFOA	2.69	2.461	91			50-150	
13C5 PFNA	2.69	2.407	89			50-150	
13C4 PFBA	2.69	2.196	82			50-150	
13C2 PFHxA	2.69	2.326	86			50-150	
13C2 PFDA	2.69	2.648	98			50-150	
13C2 PFUnA	2.69	2.850	106			50-150	
18O2 PFHxS	2.55	2.044	80			50-150	
13C2 PFDoA	2.69	2.873	107			50-150	
13C4 PFOS	2.57	1.880	73			50-150	
13C8 FOSA	2.69	1.784	66			50-150	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.15	2.289	106	1	30	60-140	
13C5 PFPeA	2.69	2.308	86			50-150	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.15	2.039 J	95	2	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.: 460-263208-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: PA220811B18.d
 Lab ID: 460-263422-A-2-C MSD Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
13C2 PFTeDA	2.69	2.663	99			50-150	
d3-NMeFOSAA	2.69	2.805	104			50-150	
6:2 FTS	2.04	2.222	109	0	30	50-150	
d5-NEtFOSAA	2.69	3.475	129			50-150	
8:2 FTS	2.06	2.377	110	1	30	60-140	
M2-6:2 FTS	2.56	2.489	97			50-150	
13C3 PFBS	2.50	1.908	76			50-150	
M2-8:2 FTS	2.58	3.386	131			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.: 460-263208-1
SDG No.: _____
Lab File ID: PA220809A06.d Lab Sample ID: MB 200-182492/1-A
Matrix: Water Date Extracted: 08/09/2022 10:37
Instrument ID: LC812 Date Analyzed: 08/09/2022 16:32
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-182492/2-A	PA220809A07 .d	08/09/2022 16:40
	200-64441-A-11-B MS	PA220809A20 .d	08/09/2022 18:26
	200-64441-A-11-C MSD	PA220809A21 .d	08/09/2022 18:34
FB-08032022P	460-263208-5	PA220809A23 .d	08/09/2022 18:51

FORM IV
PFAS METHOD BLANK SUMMARY

Lab Name: Eurofins Burlington Job No.: 460-263208-1
 SDG No.: _____
 Lab File ID: PA220811B02.d Lab Sample ID: MB 200-182554/1-A
 Matrix: Solid Date Extracted: 08/10/2022 17:30
 Instrument ID: LC812 Date Analyzed: 08/11/2022 18:39
 Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-182554/2-A	PA220811B03 .d	08/11/2022 18:47
BCS-09-32 (5-5.5) P	460-263208-1	PA220811B04 .d	08/11/2022 18:55
BCS-09-33 (5-5.5) P	460-263208-2	PA220811B05 .d	08/11/2022 19:03
BCS-09-34 (5-5.5) P	460-263208-3	PA220811B06 .d	08/11/2022 19:12
BCS-09-35 (5-5.5) P	460-263208-4	PA220811B07 .d	08/11/2022 19:20
	460-263422-A-2-B MS	PA220811B17 .d	08/11/2022 20:42
	460-263422-A-2-C MSD	PA220811B18 .d	08/11/2022 20:50

FORM VIII
PFAS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Burlington Job No.: 460-263208-1
 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 200-182508/5		2109716	3.46			
CCVLIS 200-182581/6		2149133	3.46			

13PFOA = 13C2 PFOA

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

Column used to flag values outside QC limits

FORM VIII
PFAS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Burlington Job No.: 460-263208-1
 SDG No.: _____
 Sample No.: CCVLIS 200-182508/5 Date Analyzed: 08/09/2022 16:23
 Instrument ID: LC812 GC Column: C-18 ID: 4.6 (mm)
 Lab File ID (Standard): PA220809A05.d Heated Purge: (Y/N) N
 Calibration ID: 48756

	13PFOA					
	AREA #	RT #	#	RT #	#	RT #
Low Level 12/24 HOUR STD	2109716	3.46				
UPPER LIMIT	3164574	3.66				
LOWER LIMIT	1054858	3.26				
LAB SAMPLE ID	CLIENT SAMPLE ID					
MB 200-182492/1-A		1946201	3.47			
LCS 200-182492/2-A		1888257	3.46			
CCV 200-182508/18		2322406	3.47			
200-64441-A-11-B MS		1991922	3.46			
200-64441-A-11-C MSD		1894913	3.46			
460-263208-5	FB-08032022P	2028236	3.46			
CCV 200-182508/31		2281100	3.47			

13PFOA = 13C2 PFOA

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

Column used to flag values outside QC limits

FORM VIII
PFAS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Burlington Job No.: 460-263208-1
 SDG No.: _____
 Sample No.: CCVLIS 200-182581/6 Date Analyzed: 08/11/2022 14:42
 Instrument ID: LC812 GC Column: C-18 ID: 4.6 (mm)
 Lab File ID (Standard): PA220811A06.d Heated Purge: (Y/N) N
 Calibration ID: 48756

		13PFOA					
		AREA #	RT #	#	RT #	#	RT #
Low Level 12/24 HOUR STD		2149133	3.46				
UPPER LIMIT		3223700	3.66				
LOWER LIMIT		1074567	3.26				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 200-182595/1		2414483	3.46				
MB 200-182554/1-A		1988618	3.47				
LCS 200-182554/2-A		1968738	3.46				
460-263208-1	BCS-09-32 (5-5.5) P	1972851	3.46				
460-263208-2	BCS-09-33 (5-5.5) P	1940190	3.46				
460-263208-3	BCS-09-34 (5-5.5) P	1993237	3.46				
460-263208-4	BCS-09-35 (5-5.5) P	1966343	3.46				
CCV 200-182595/14		2369659	3.47				
460-263422-A-2-B MS		1929487	3.47				
460-263422-A-2-C MSD		1822557	3.46				
CCV 200-182595/25		2020792	3.47				

13PFOA = 13C2 PFOA

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

Column used to flag values outside QC limits

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-263208-1

SDG No.: _____

Client Sample ID: BCS-09-32 (5-5.5)P Lab Sample ID: 460-263208-1

Matrix: Solid Lab File ID: PA220811B04.d

Analysis Method: 537 (modified) Date Collected: 08/03/2022 13:05

Extraction Method: SHAKE Date Extracted: 08/10/2022 17:30

Sample wt/vol: 5.10(g) Date Analyzed: 08/11/2022 18:55

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

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

% Moisture: 10.7 % Solids: 89.3 GPC Cleanup: (Y/N) N

Cleanup Factor: _____

Analysis Batch No.: 182595 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	0.55	U	0.55	0.36
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.084	J	0.22	0.060
307-24-4	Perfluorohexanoic acid (PFHxA)	0.078	J	0.22	0.051
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.22	U	0.22	0.043
335-67-1	Perfluorooctanoic acid (PFOA)	0.13	J	0.22	0.064
375-95-1	Perfluorononanoic acid (PFNA)	0.22	U	0.22	0.037
335-76-2	Perfluorodecanoic acid (PFDA)	0.22	U	0.22	0.031
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.22	U	0.22	0.030
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	0.029
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.22	U	0.22	0.036
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.22	U	0.22	0.045
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	0.22	U	0.22	0.025
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.22	U	0.22	0.12
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.041	J	0.22	0.021
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.22	U	0.22	0.037
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.20	U	2.20	0.12
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.20	U	2.20	0.091
27619-97-2	6:2 FTS	2.20	U	2.20	0.063
39108-34-4	8:2 FTS	2.20	U	2.20	0.041

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-263208-1
 SDG No.: _____
 Client Sample ID: BCS-09-32 (5-5.5)P Lab Sample ID: 460-263208-1
 Matrix: Solid Lab File ID: PA220811B04.d
 Analysis Method: 537 (modified) Date Collected: 08/03/2022 13:05
 Extraction Method: SHAKE Date Extracted: 08/10/2022 17:30
 Sample wt/vol: 5.10(g) Date Analyzed: 08/11/2022 18:55
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 20(uL) GC Column: C-18 ID: 4.6 (mm)
 % Moisture: 10.7 % Solids: 89.3 GPC Cleanup: (Y/N) N
 Cleanup Factor: _____
 Analysis Batch No.: 182595 Units: ug/Kg

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	76		50-150
STL01892	13C4 PFHpA	89		50-150
STL00990	13C4 PFOA	94		50-150
STL00991	13C4 PFOS	72		50-150
STL00995	13C5 PFNA	91		50-150
STL00992	13C4 PFBA	86		50-150
STL00993	13C2 PFHxA	90		50-150
STL00996	13C2 PFDA	88		50-150
STL00997	13C2 PFUnA	93		50-150
STL00998	13C2 PFDoA	90		50-150
STL01056	13C8 FOSA	70		50-150
STL01893	13C5 PFPeA	90		50-150
STL02116	13C2 PFTeDA	93		50-150
STL02118	d3-NMeFOSAA	79		50-150
STL02117	d5-NEtFOSAA	85		50-150
STL02279	M2-6:2 FTS	73		50-150
STL02280	M2-8:2 FTS	71		50-150
STL02337	13C3 PFBS	71		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B04.d
 Lims ID: 460-263208-A-1-A
 Client ID: BCS-09-32 (5-5.5)P
 Sample Type: Client
 Inject. Date: 11-Aug-2022 18:55:43 ALS Bottle#: 4 Worklist Smp#: 4
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: 460-263208-A-1-A
 Misc. Info.: 200-0052043-004 Plate: 1 Rack: 2
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 12-Aug-2022 12:19:48 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: CTX1609

First Level Reviewer: nampitakw

Date: 12-Aug-2022 08:28:36

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	0.601	1971113	1.07		85.6	9423	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.076	2.076	0.0	1.000	31535	0.0206			3.5	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.387	2.386	0.001	0.691	1586936	1.12		89.6	2869	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.387	2.386	0.001	1.000	49786	0.0380			1.5	M
D 47 13C3 PFBS										M
301.90 > 80.00	2.400	2.400	0.0	0.694	1346296	0.8213		70.6	143544	M
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.400	2.413	-0.013	1.000	5630	0.004404	Target=2.23		5.9	M
298.90 > 99.00	2.400	2.413	-0.013	1.000	2206		2.55(1.11-3.34)		1.1	M
6 Perfluorohexanoic acid										
313.00 > 269.00	2.738	2.737	0.001	1.000	47171	0.0354	Target=12.24		8.6	
313.00 > 119.00	2.725	2.737	-0.012	0.996	3400		13.87(6.12-18.36)		5.4	
D 7 13C2 PFHxA										
315.00 > 270.00	2.738	2.737	0.001	0.792	1596855	1.13		90.3	3248	
D 11 18O2 PFHxS										
403.00 > 84.00	3.099	3.098	0.001	0.897	1038206	0.9005		76.2	2306	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.099	3.098	0.001	1.000	6623	0.006839	Target=3.43		15.2	M
399.00 > 99.00	3.099	3.098	0.001	1.000	2546		2.60(1.72-5.15)		1.9	M
D 9 13C4 PFHpA										M
367.00 > 322.00	3.099	3.098	0.001	0.897	1633255	1.11		89.1	2174	M
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.110	3.110	0.0	1.004	24470	0.0182	Target=3.73		6.7	
363.00 > 169.00	3.110	3.110	0.0	1.004	6478		3.78(1.86-5.59)		18.3	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										M
429.00 > 81.00	3.448	3.447	0.001	0.997	167878	0.8700		73.3	309	M
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.456	3.447	0.009	1.003	1422	-0.0099			9.3	
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.439	3.447	-0.008	0.911	1112	0.001458	Target=4.89		3.2	M
449.00 > 99.00	3.448	3.447	0.001	0.914	445		2.50(2.44-7.33)		2.9	M
D 14 13C4 PFOA										
417.00 > 372.00	3.456	3.456	0.0	1.000	1769786	1.18		94.2	3329	
* 62 13C2 PFOA										
415.00 > 370.00	3.456	3.456	0.0		1972851	1.25			3038	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.456	3.456	0.0	1.000	96749	0.0609	Target=2.67		10.7	M
413.00 > 169.00	3.456	3.456	0.0	1.000	39826		2.43(1.34-4.01)		91.0	M
D 18 13C4 PFOS										
503.00 > 80.00	3.773	3.773	0.0	1.092	737214	0.8563		71.7	2566	
17 Perfluorooctanesulfonic acid										RM
499.00 > 80.00	3.773	3.773	0.0	1.000	23282	0.0195	Target=4.88		14.5	RM
499.00 > 99.00	3.773	3.773	0.0	1.000	9550		2.44(2.44-7.32)		13.3	M
20 Perfluorononanoic acid										M
463.00 > 419.00	3.792	3.792	0.0	1.000	12135	0.008380	Target=8.23		3.7	M
463.00 > 169.00	3.802	3.792	0.010	1.003	1721		7.05(4.11-12.34)		21.9	M
D 19 13C5 PFNA										M
468.00 > 423.00	3.792	3.792	0.0	1.097	1779039	1.14		91.2	2245	M
D 23 13C2 PFDA										
515.00 > 470.00	4.104	4.092	0.012	1.187	1672405	1.10		88.1	3719	
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.104	4.092	0.012	1.000	9456	0.006720	Target=9.67		5.6	M
513.00 > 169.00	4.104	4.092	0.012	1.000	1589		5.95(4.83-14.50)		7.2	M
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.093	4.092	0.001	0.997	834	0.005227			21.6	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.104	4.104	0.0	1.187	197866	0.8522		71.2	592	
D 21 13C8 FOSA										M
506.00 > 78.00	4.161	4.150	0.011	1.204	1169610	0.8798		70.4	1616	M
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.150	4.161	-0.011	0.997	3858	0.004046			21.2	M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.238	4.238	0.0	1.226	200630	0.9855		78.8	1121	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.250	4.238	0.012	1.003	943	0.006615			5.2	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.342	4.330	0.012	1.151	6741	0.0188	Target=2.80		13.1	M
599.00 > 99.00	4.342	4.330	0.012	1.151	3366		2.00(1.40-4.20)		11.2	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.376	4.364	0.012	1.266	1333640	1.16		92.7	1996	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.376	4.376	0.0	1.266	204076	1.06		84.7	850	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.387	4.376	0.011	1.003	1364	0.009202			16.0	M
D 36 13C2 PFDaA										
615.00 > 570.00	4.612	4.601	0.011	1.334	1341530	1.12		90.0	2526	
37 Perfluorododecanoic acid										RM
613.00 > 569.00	4.612	4.601	0.011	1.000	2810	0.002582	Target=6.97		0.5	RM
613.00 > 169.00	4.591	4.601	-0.010	0.995	248		11.33(3.48-10.45)		4.0	M
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.813	4.813	0.0	1.043	1995	0.002114	Target=4.56		0.4	M
663.00 > 169.00	4.825	4.813	0.012	1.046	564		3.54(2.28-6.84)		7.8	M
D 43 13C2 PFTeDA										
715.00 > 670.00	5.022	5.012	0.010	1.453	1131579	1.16		92.9	1960	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.012	5.012	0.0	0.998	479	0.003303	Target=0.94		11.1	M
713.00 > 219.00	5.012	5.012	0.0	0.998	406		1.18(0.47-1.41)		7.8	M

QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B04.d

Injection Date: 11-Aug-2022 18:55:43

Instrument ID: LC812

Lims ID: 460-263208-A-1-A

Lab Sample ID: 200-263208-1

Client ID: BCS-09-32 (5-5.5)P

Operator ID: lc812tech

ALS Bottle#: 4

Worklist Smp#: 4

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

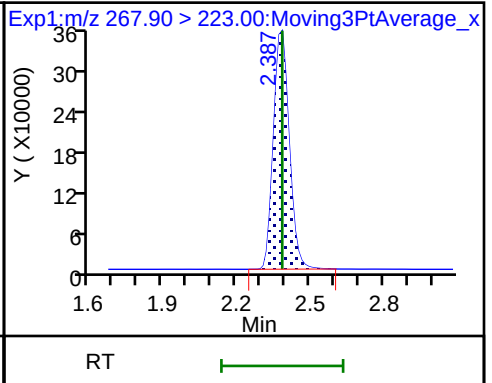
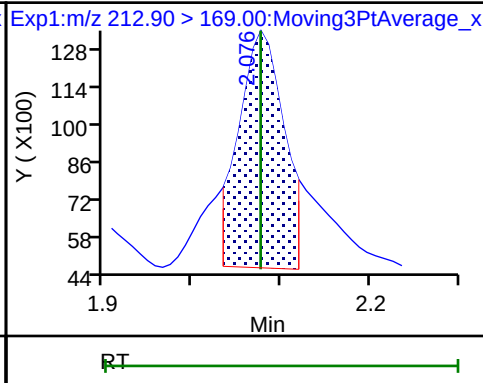
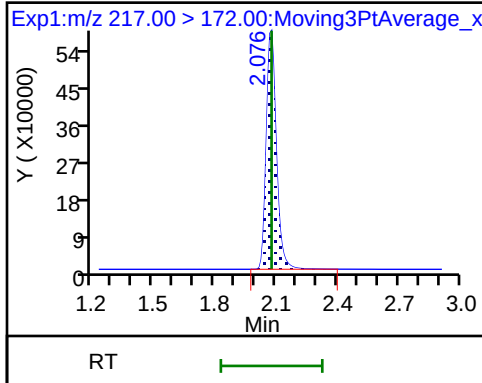
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

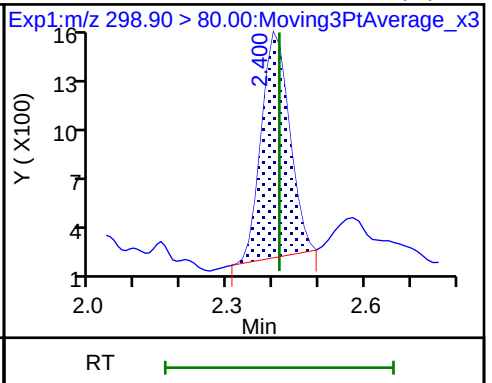
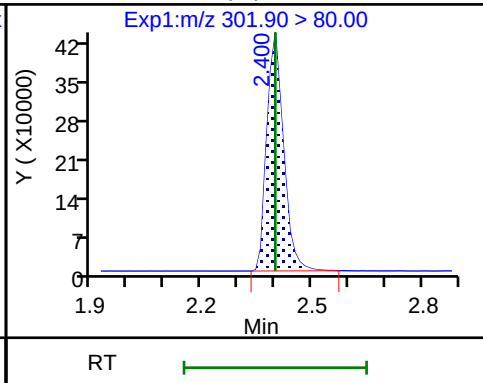
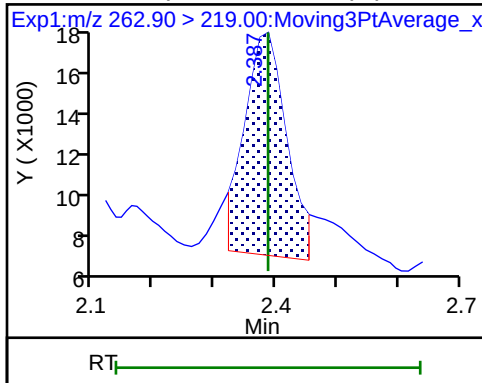
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

D 47 13C3 PFBS (M)

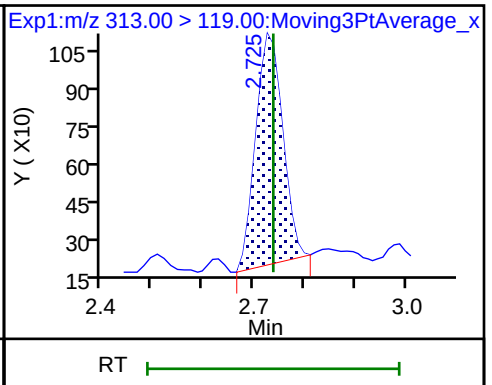
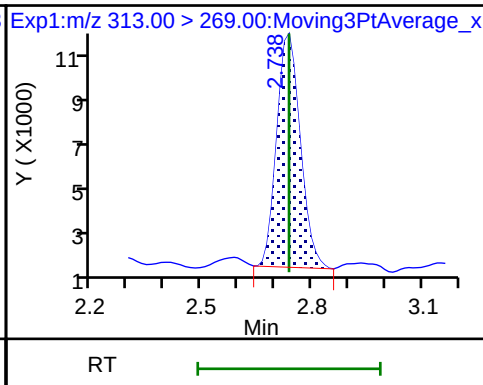
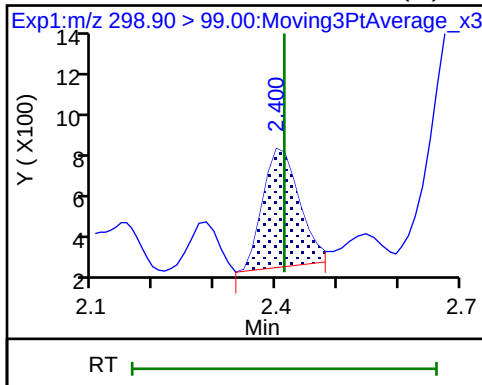
5 Perfluorobutanesulfonic acid (M)



5 Perfluorobutanesulfonic acid (M)

6 Perfluorohexanoic acid

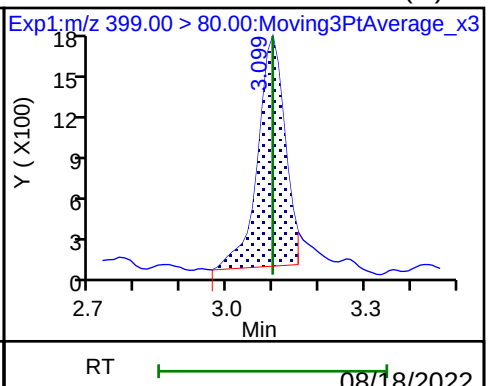
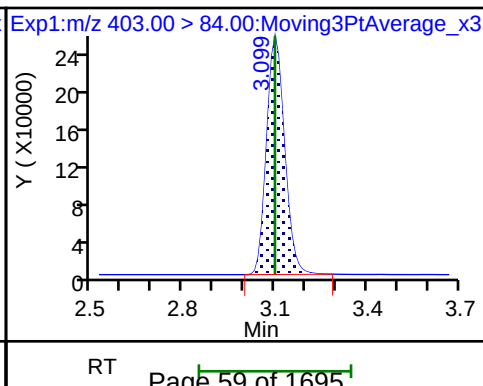
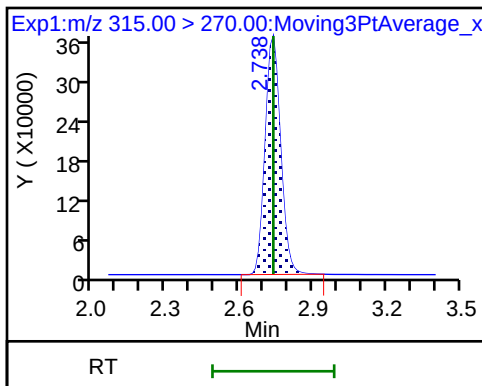
6 Perfluorohexanoic acid

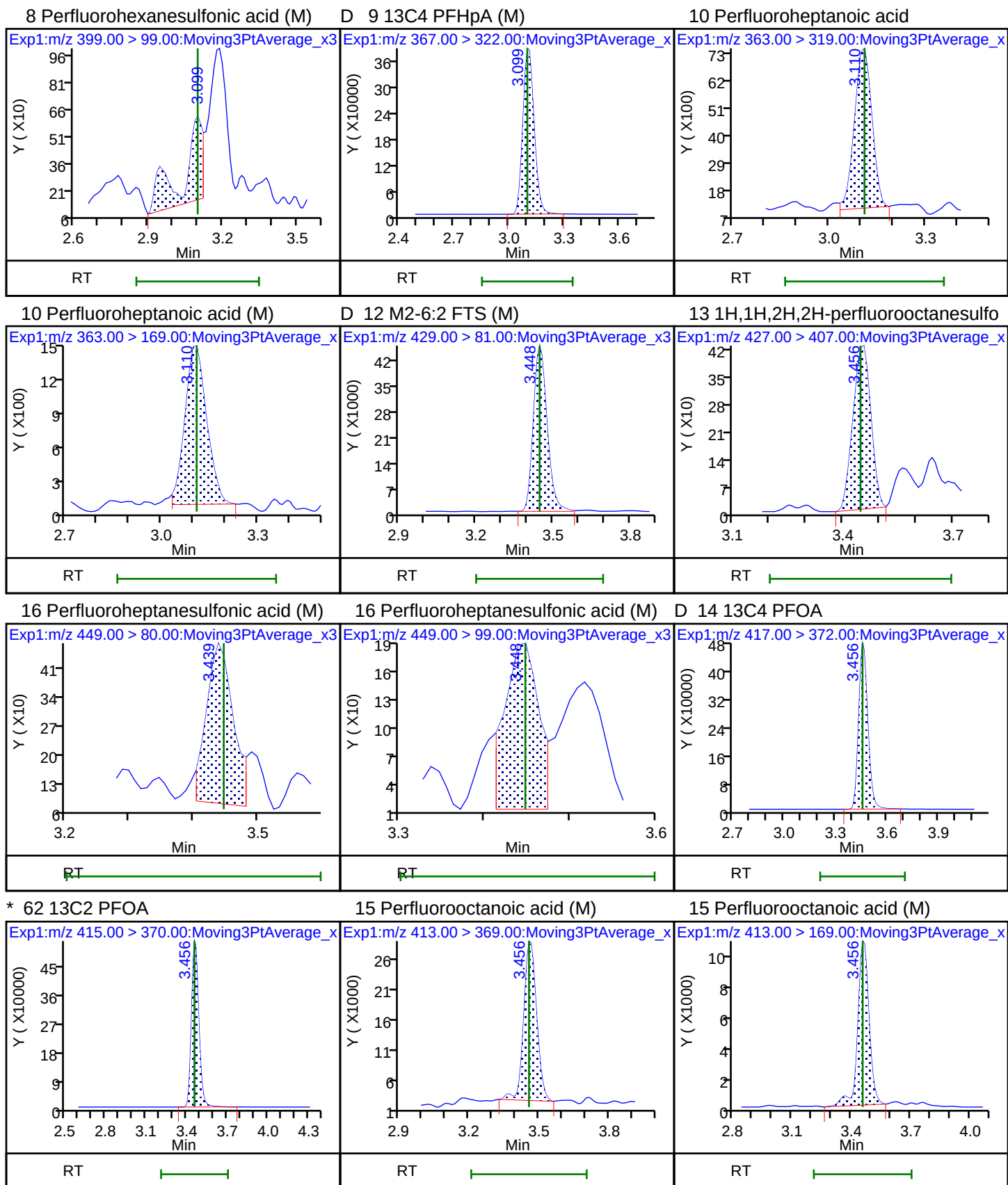


D 7 13C2 PFHxA

D 11 18O2 PFHxS

8 Perfluorohexanesulfonic acid (M)

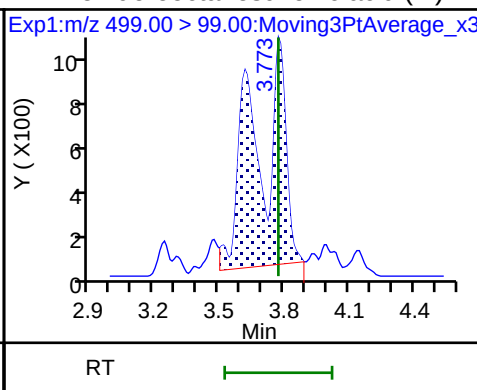
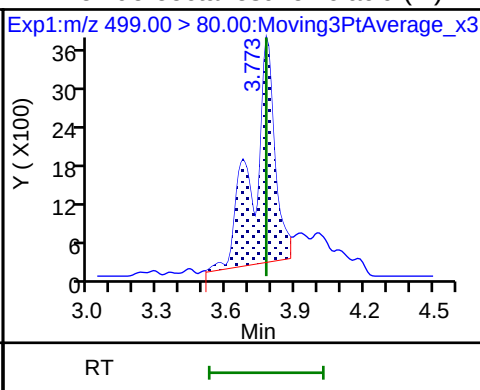
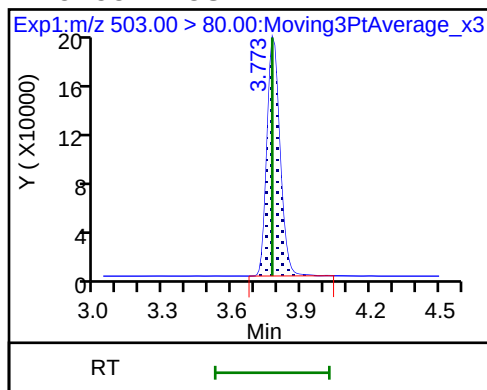




D 18 13C4 PFOS

17 Perfluorooctanesulfonic acid (M)

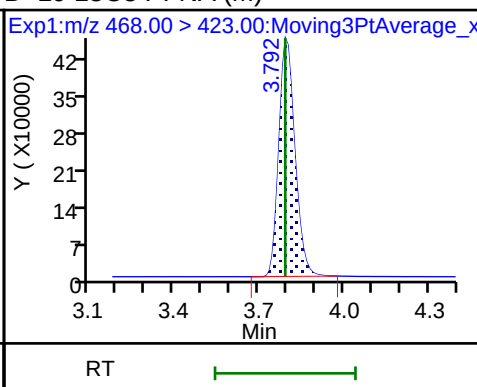
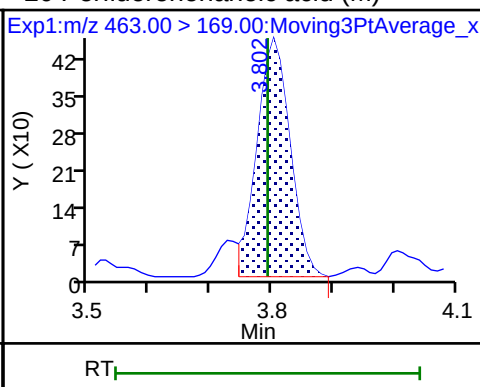
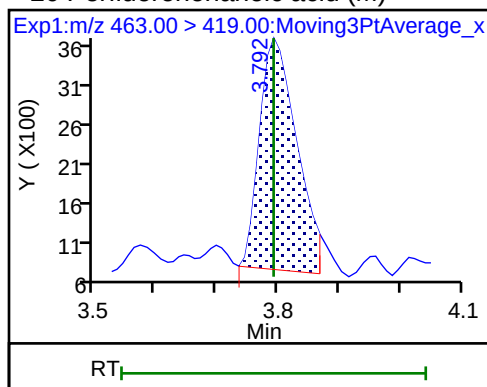
17 Perfluorooctanesulfonic acid (M)



20 Perfluorononanoic acid (M)

20 Perfluorononanoic acid (M)

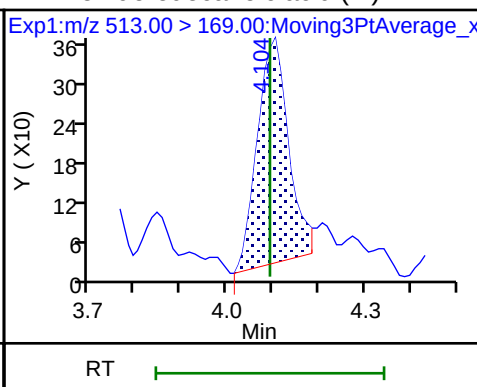
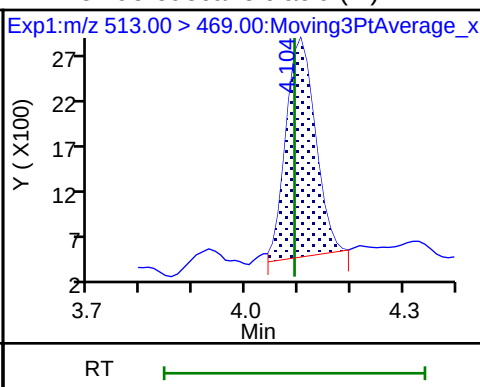
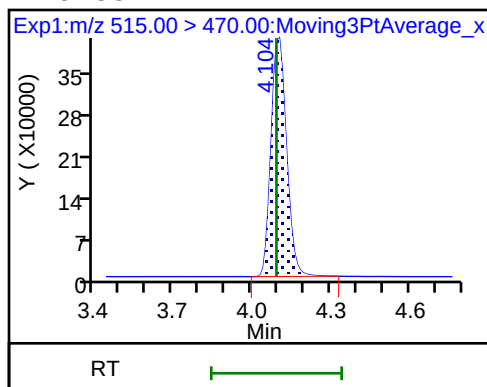
D 19 13C5 PFNA (M)



D 23 13C2 PFDA

24 Perfluorodecanoic acid (M)

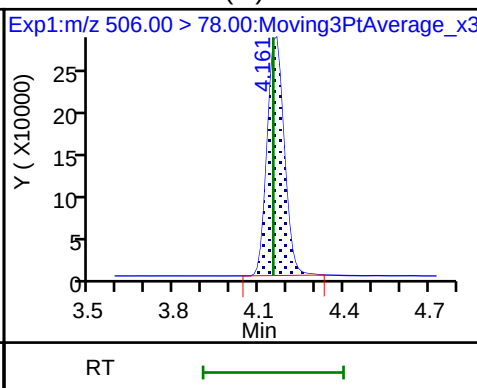
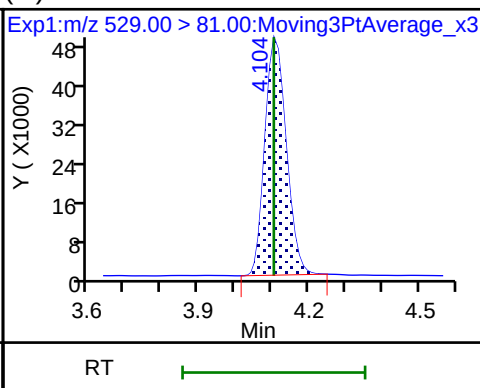
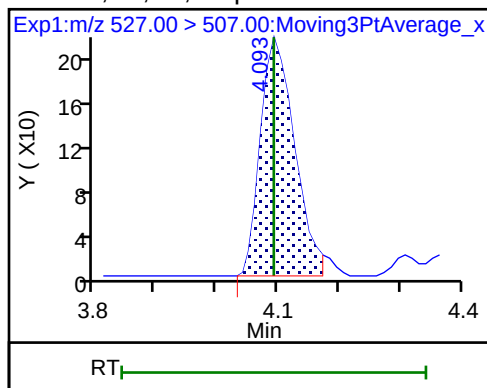
24 Perfluorodecanoic acid (M)

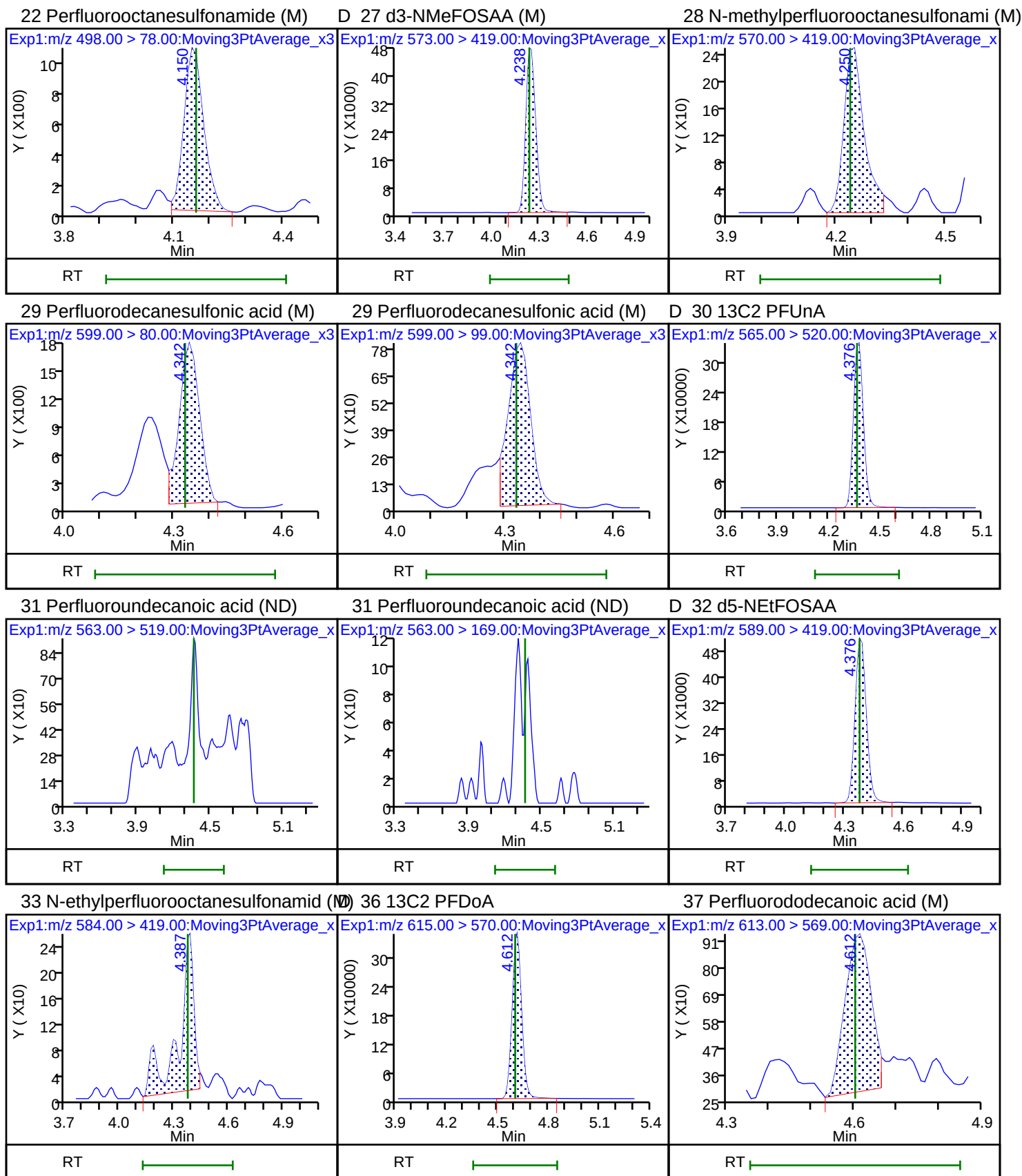


25 1H,1H,2H,2H-perfluorodecanesulfonate (M)

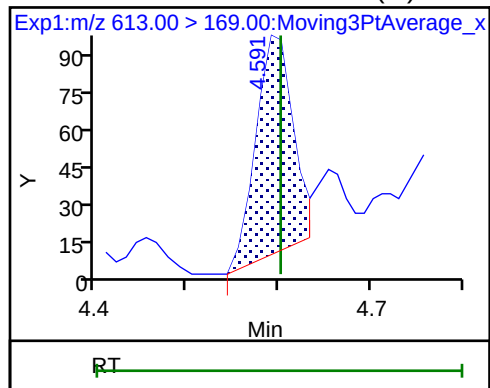
D 26 M2-8:2 FTS

D 21 13C8 FOSA (M)

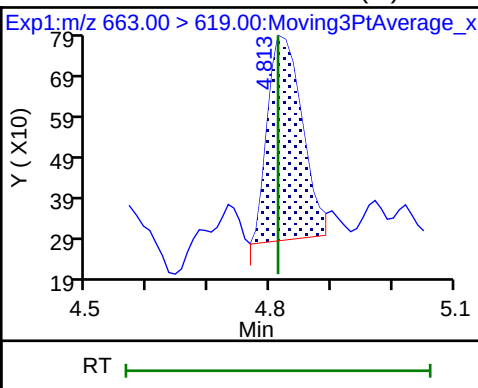




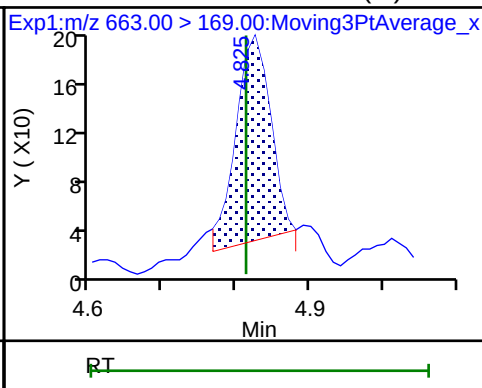
37 Perfluorododecanoic acid (M)



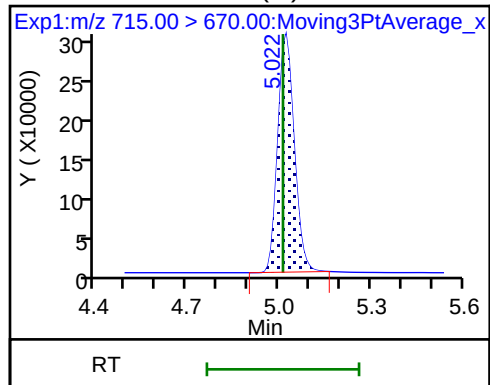
41 Perfluorotridecanoic acid (M)



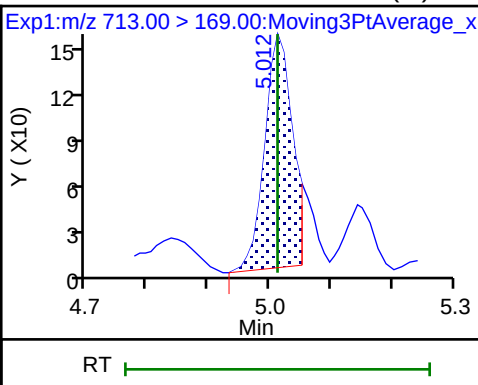
41 Perfluorotridecanoic acid (M)



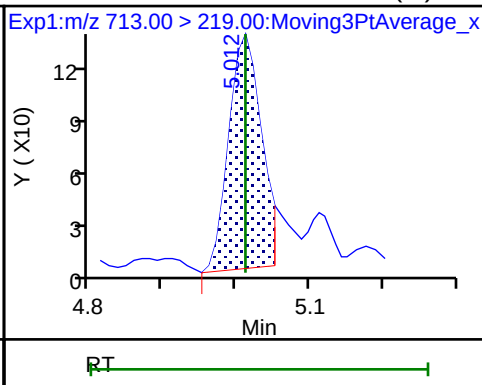
D 43 13C2 PFTeDA (M)



42 Perfluorotetradecanoic acid (M)



42 Perfluorotetradecanoic acid (M)



Eurofins Burlington

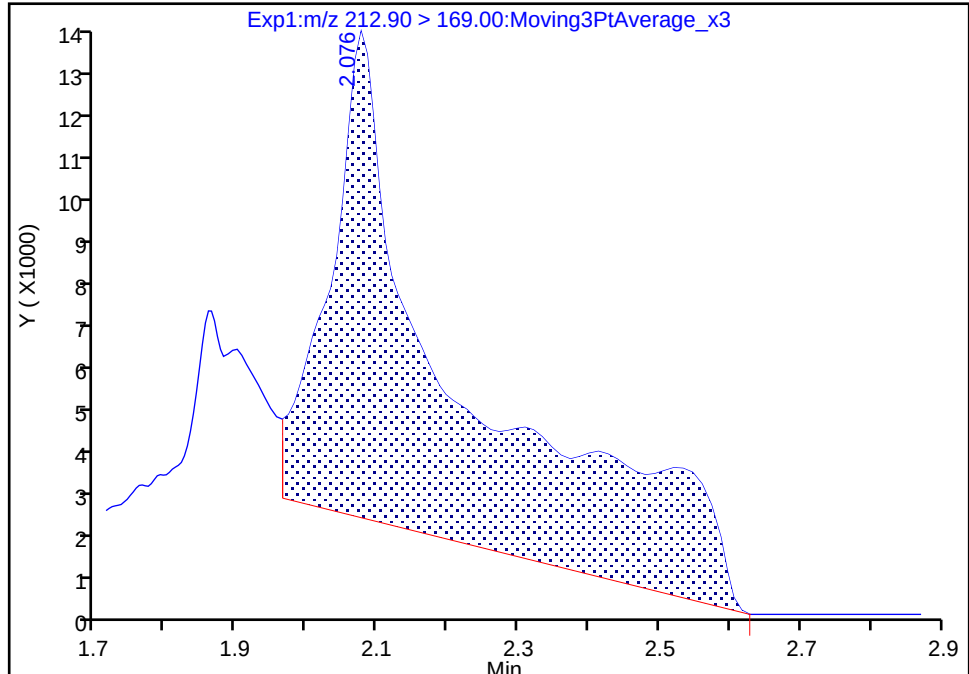
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B04.d		
Injection Date:	11-Aug-2022 18:55:43	Instrument ID:	LC812
Lims ID:	460-263208-A-1-A	Lab Sample ID:	200-263208-1
Client ID:	BCS-09-32 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	4
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	4

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

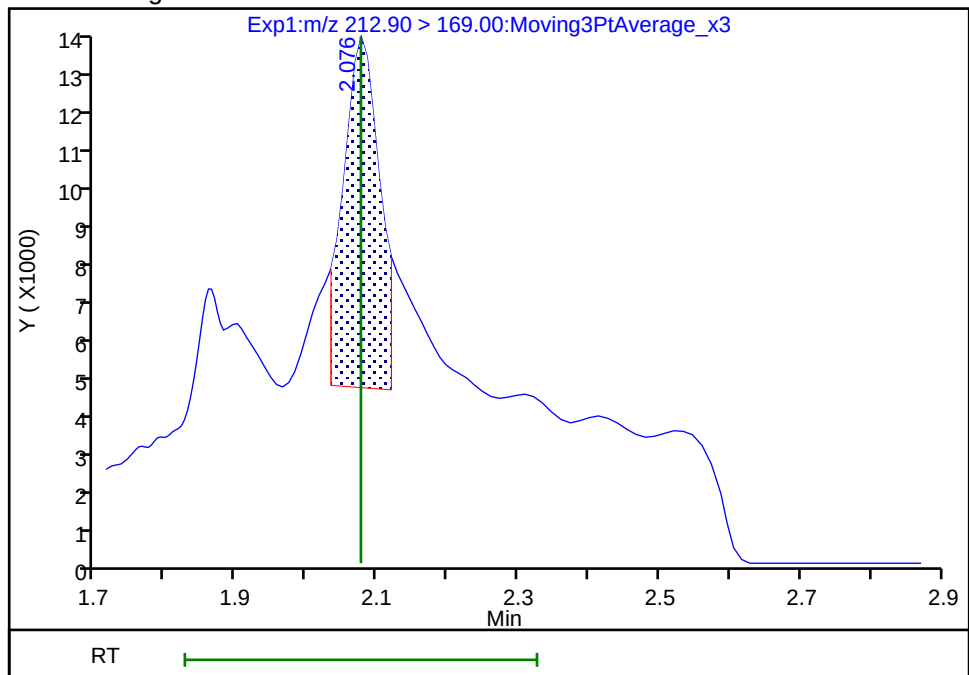
RT: 2.08
Area: 144732
Amount: 0.094652
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 31535
Amount: 0.020623
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:24:02
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 64 of 1695

08/18/2022

Eurofins Burlington

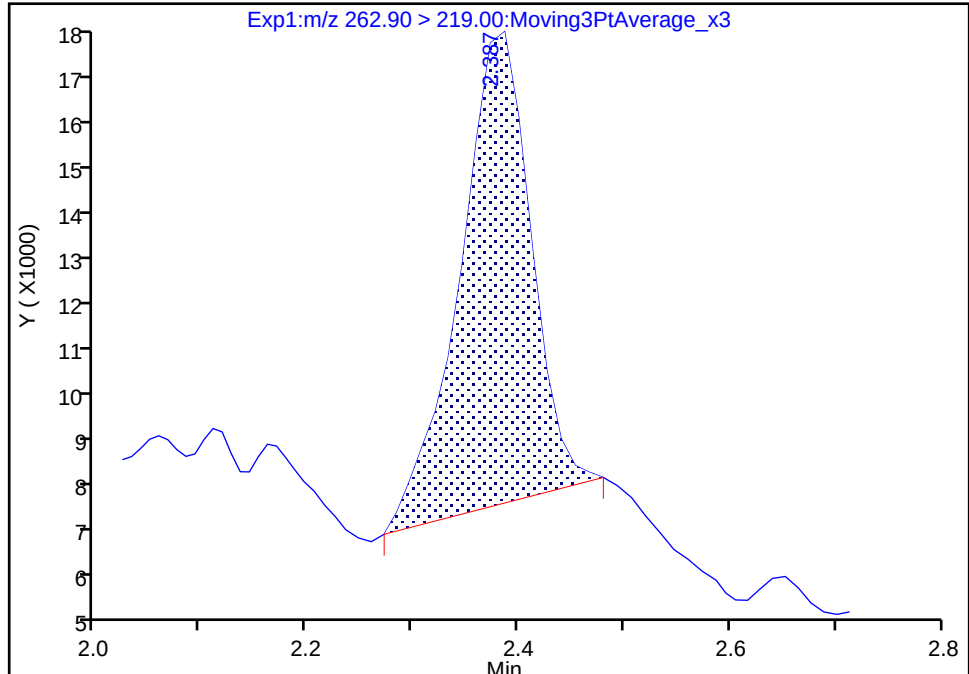
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B04.d		
Injection Date:	11-Aug-2022 18:55:43	Instrument ID:	LC812
Lims ID:	460-263208-A-1-A	Lab Sample ID:	200-263208-1
Client ID:	BCS-09-32 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	4
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	4

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

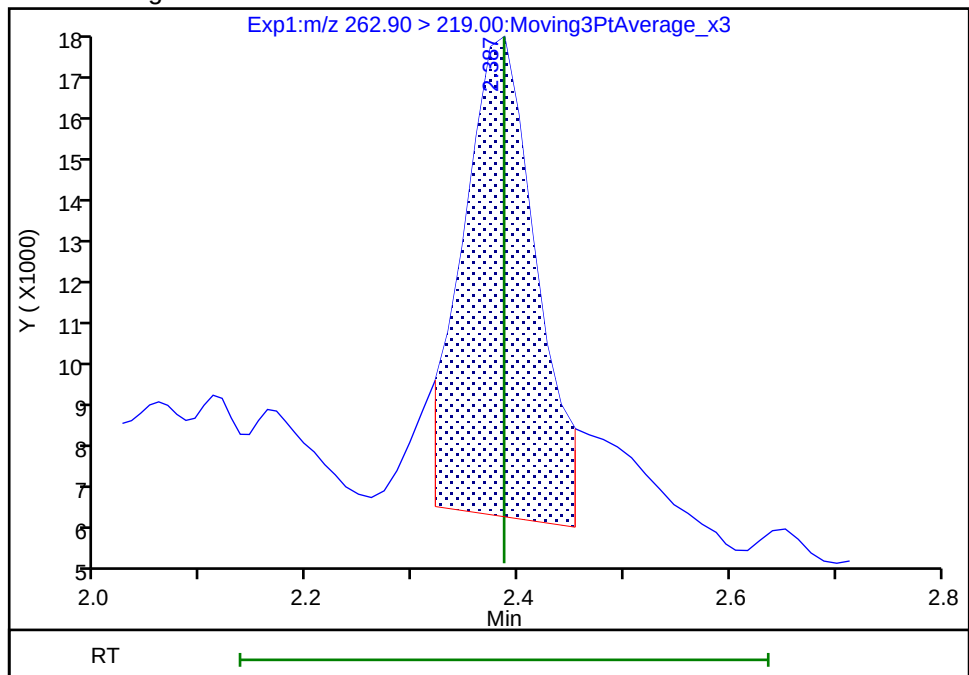
RT: 2.39
Area: 43528
Amount: 0.033257
Amount Units: ng/ml

Processing Integration Results



RT: 2.39
Area: 49786
Amount: 0.038039
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:24:11
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 65 of 1695

08/18/2022

Eurofins Burlington

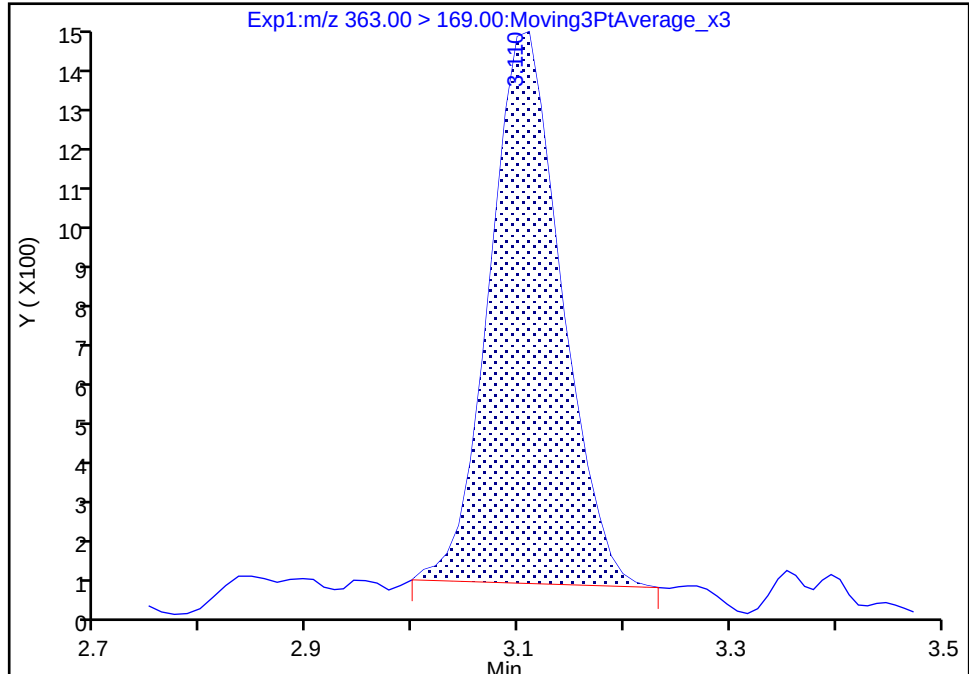
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B04.d		
Injection Date:	11-Aug-2022 18:55:43	Instrument ID:	LC812
Lims ID:	460-263208-A-1-A	Lab Sample ID:	200-263208-1
Client ID:	BCS-09-32 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	4
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	4

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

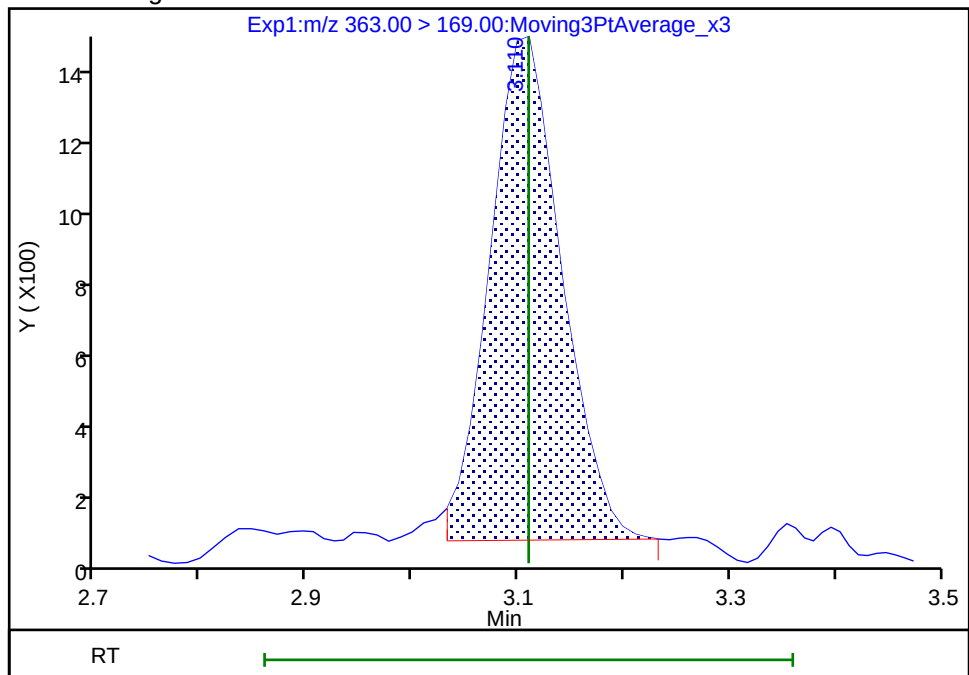
RT: 3.11
Area: 6414
Amount: 0.018110
Amount Units: ng/ml

Processing Integration Results



RT: 3.11
Area: 6478
Amount: 0.018172
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 09:45:19
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 66 of 1695

08/18/2022

Eurofins Burlington

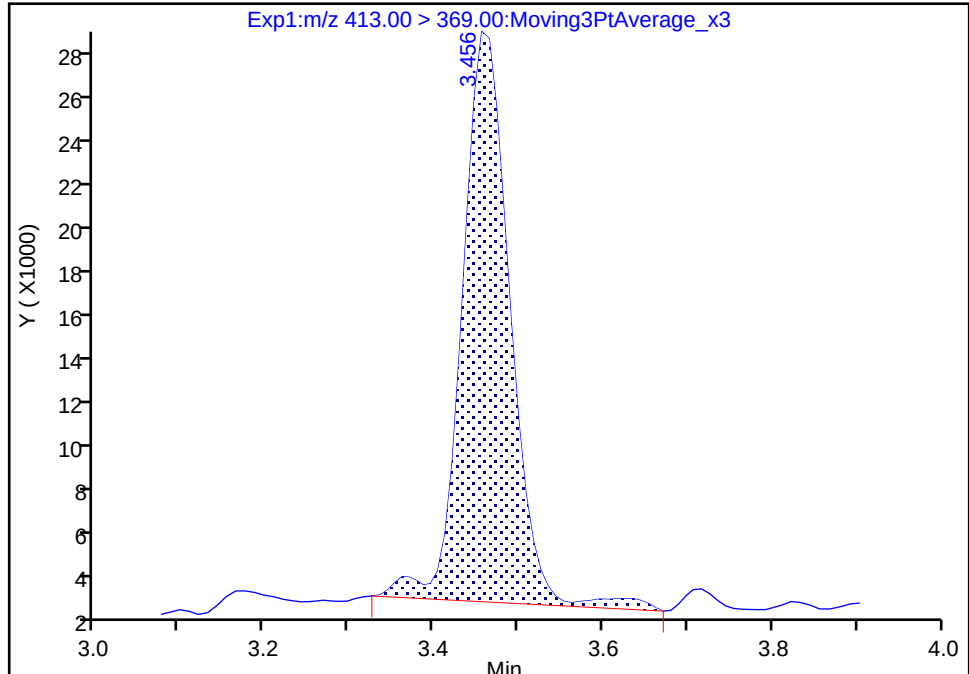
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B04.d		
Injection Date:	11-Aug-2022 18:55:43	Instrument ID:	LC812
Lims ID:	460-263208-A-1-A	Lab Sample ID:	200-263208-1
Client ID:	BCS-09-32 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	4
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	4

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

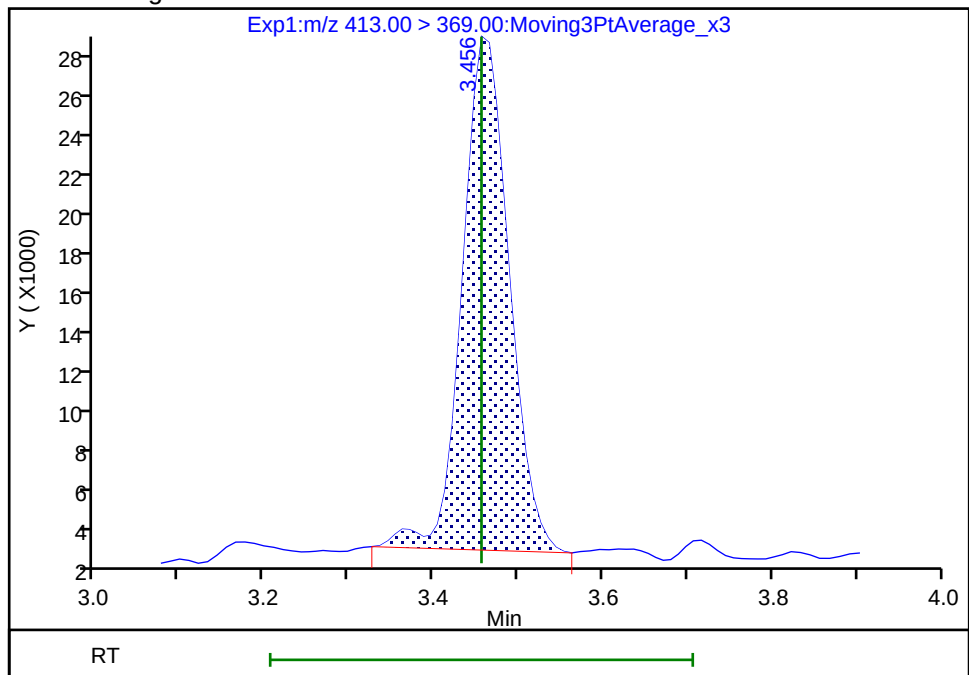
RT: 3.46
Area: 99968
Amount: 0.062964
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 96749
Amount: 0.060936
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:25:52

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

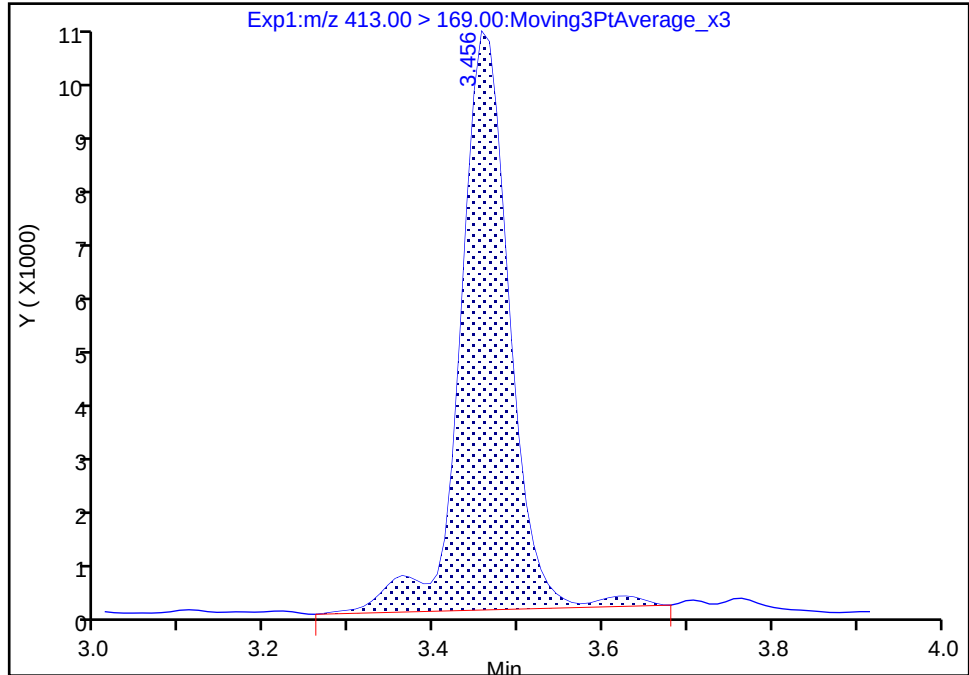
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B04.d		
Injection Date:	11-Aug-2022 18:55:43	Instrument ID:	LC812
Lims ID:	460-263208-A-1-A	Lab Sample ID:	200-263208-1
Client ID:	BCS-09-32 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	4
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	4

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

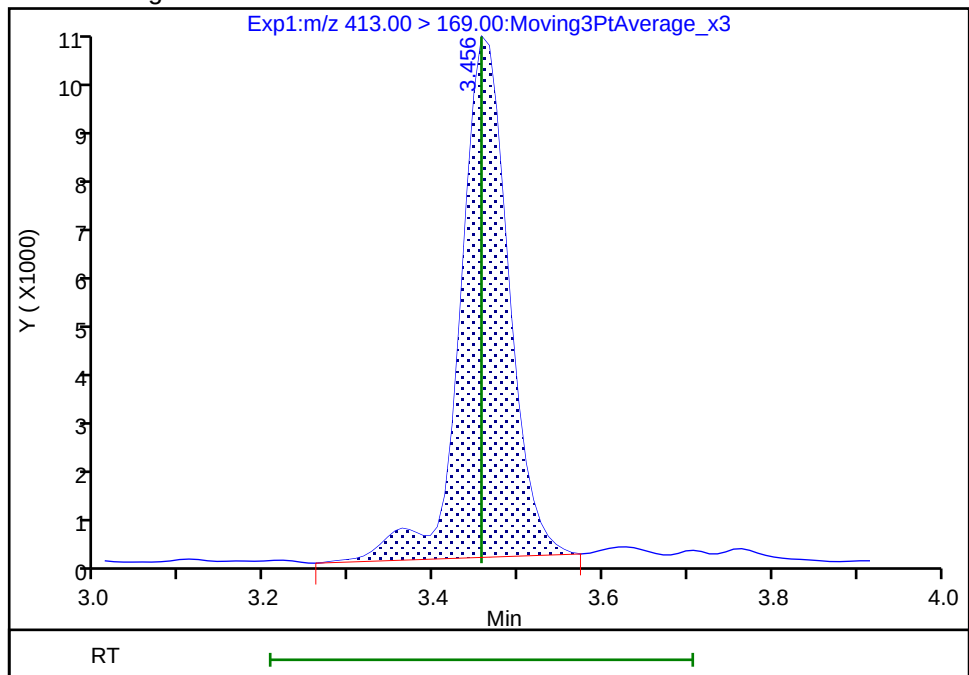
RT: 3.46
Area: 41024
Amount: 0.062964
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 39826
Amount: 0.060936
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:25:57

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

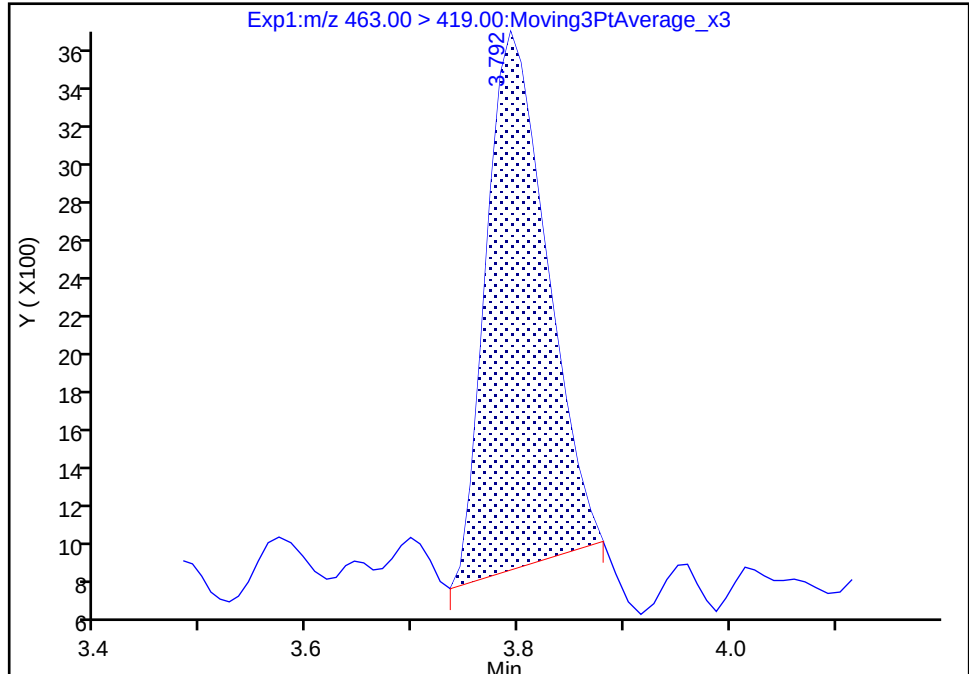
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B04.d				
Injection Date:	11-Aug-2022 18:55:43	Instrument ID:	LC812		
Lims ID:	460-263208-A-1-A	Lab Sample ID:	200-263208-1		
Client ID:	BCS-09-32 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

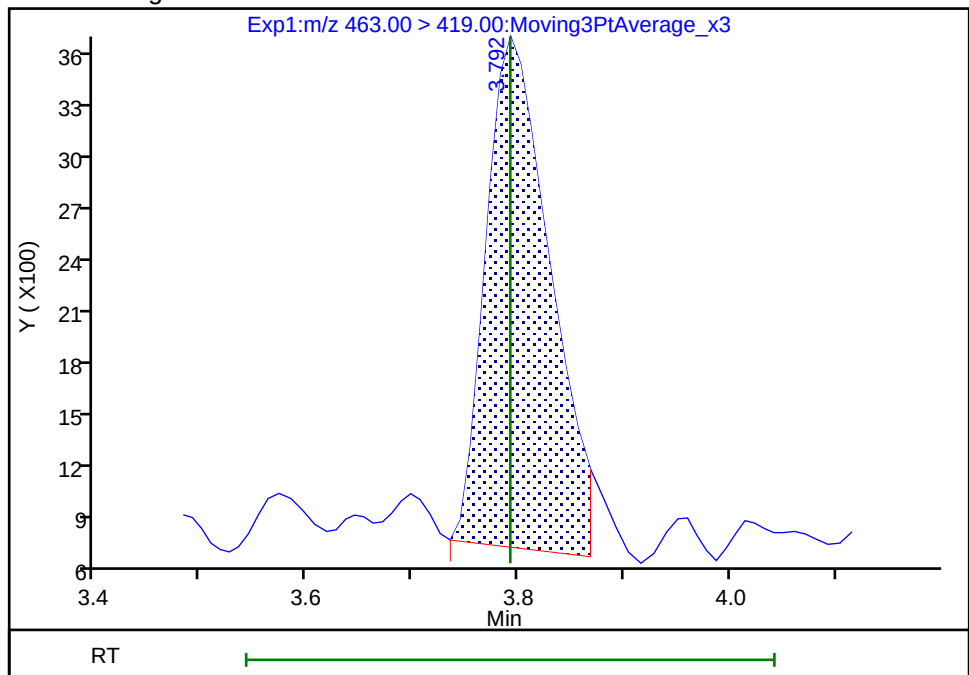
RT: 3.79
Area: 10941
Amount: 0.007514
Amount Units: ng/ml

Processing Integration Results



RT: 3.79
Area: 12135
Amount: 0.008380
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:26:36
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 69 of 1695

08/18/2022

Eurofins Burlington

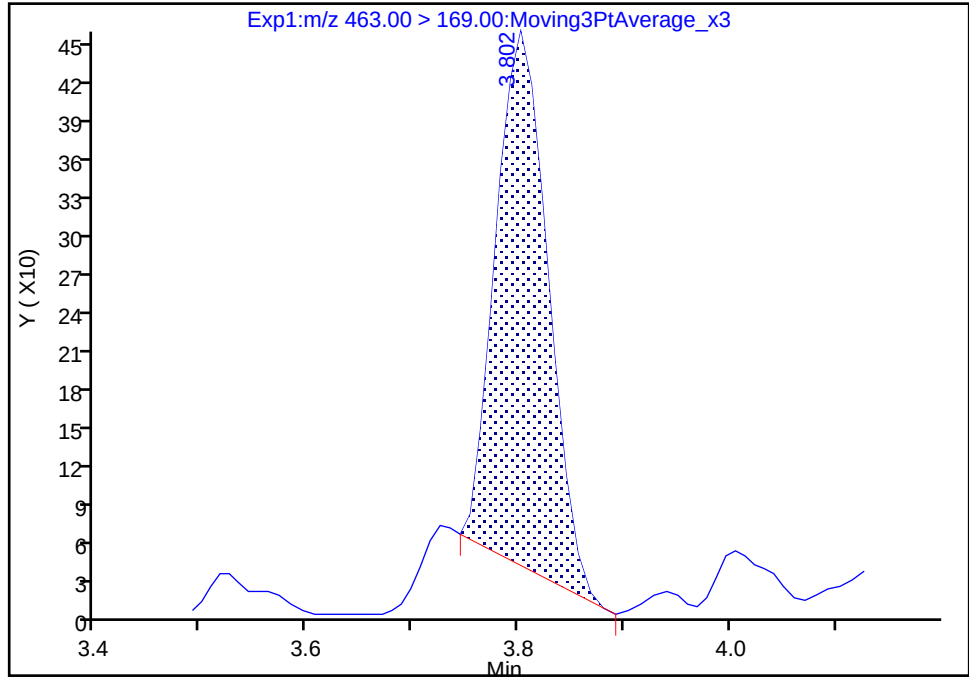
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B04.d
Injection Date: 11-Aug-2022 18:55:43 Instrument ID: LC812
Lims ID: 460-263208-A-1-A Lab Sample ID: 200-263208-1
Client ID: BCS-09-32 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

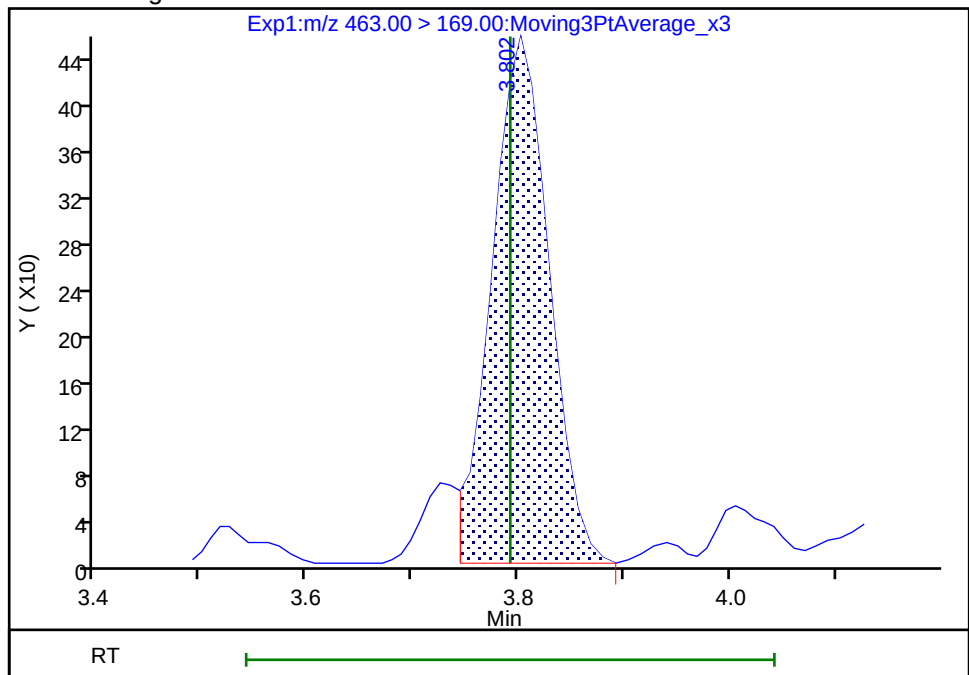
RT: 3.80
Area: 1443
Amount: 0.007514
Amount Units: ng/ml

Processing Integration Results



RT: 3.80
Area: 1721
Amount: 0.008380
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:26:38

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 70 of 1695

08/18/2022

Eurofins Burlington

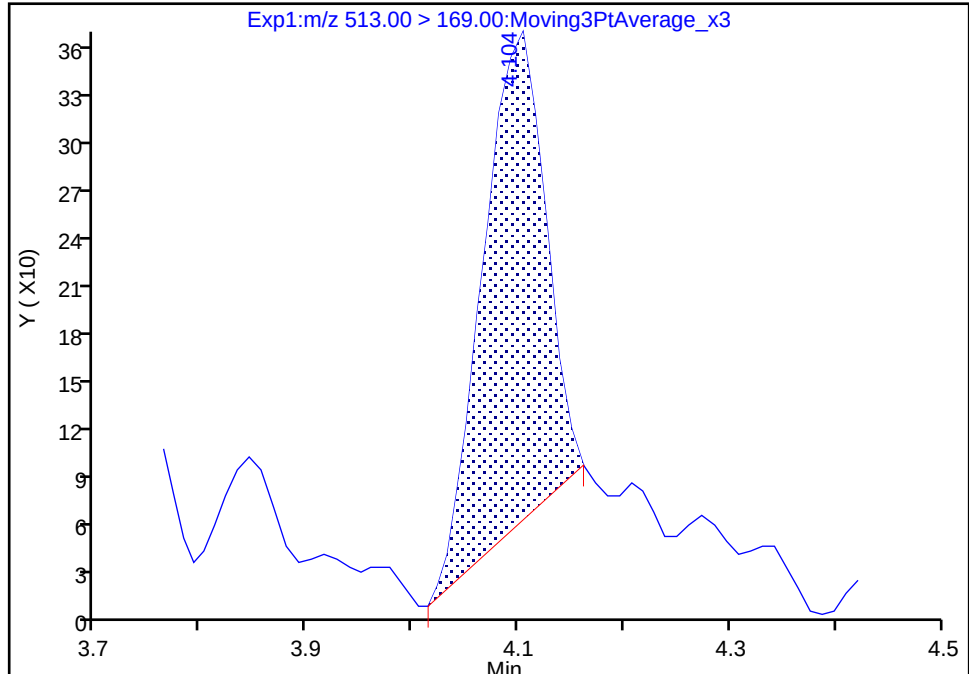
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B04.d		
Injection Date:	11-Aug-2022 18:55:43	Instrument ID:	LC812
Lims ID:	460-263208-A-1-A	Lab Sample ID:	200-263208-1
Client ID:	BCS-09-32 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	4
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	4

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

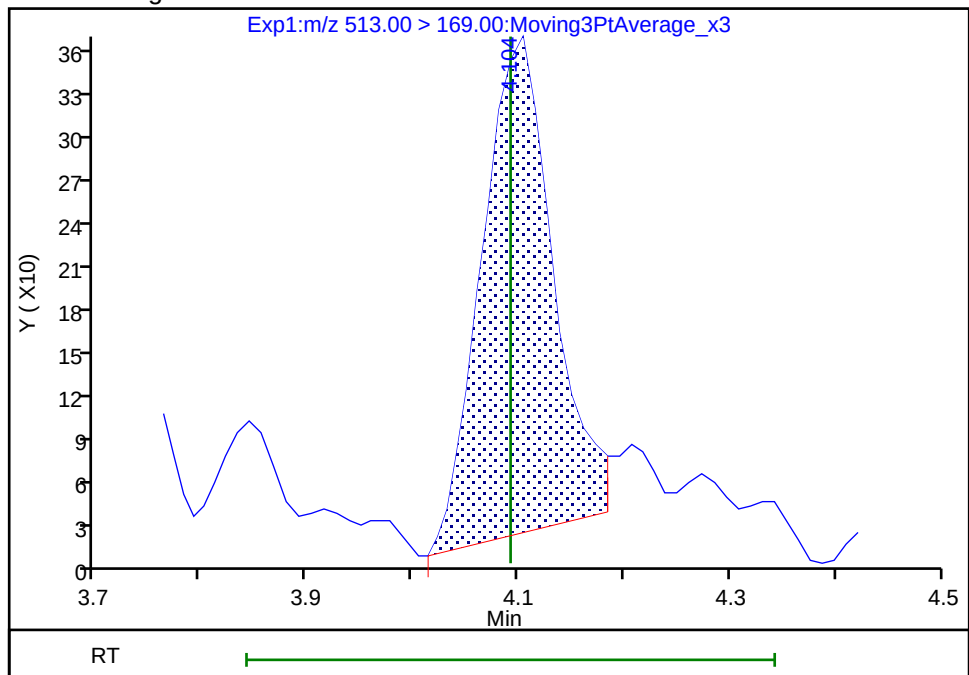
RT: 4.10
Area: 1253
Amount: 0.006572
Amount Units: ng/ml

Processing Integration Results



RT: 4.10
Area: 1589
Amount: 0.006720
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:26:48
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 71 of 1695

08/18/2022

Eurofins Burlington

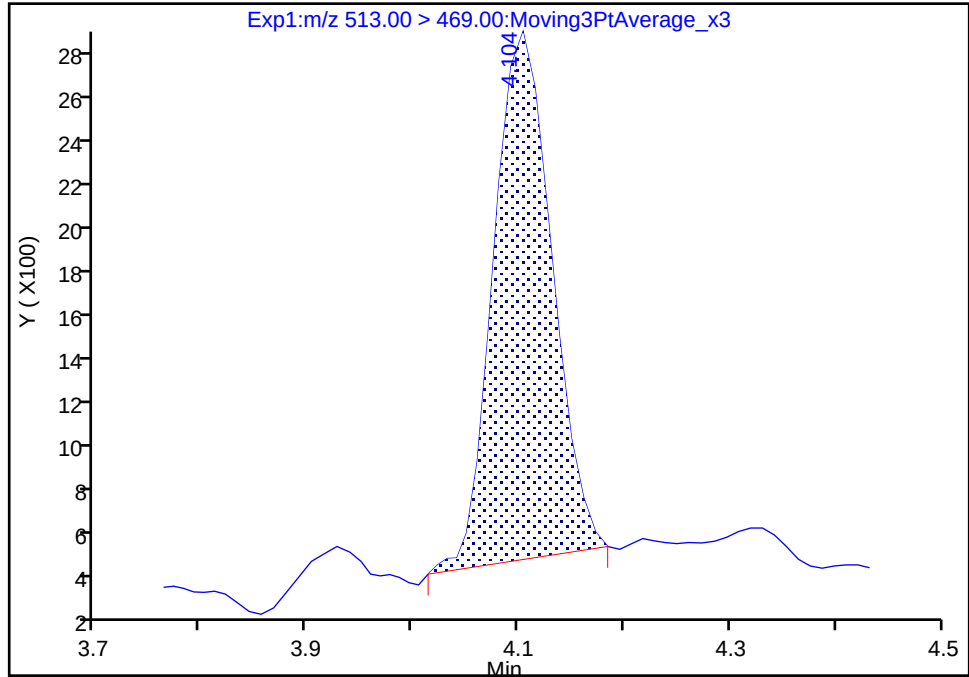
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B04.d
Injection Date: 11-Aug-2022 18:55:43 Instrument ID: LC812
Lims ID: 460-263208-A-1-A Lab Sample ID: 200-263208-1
Client ID: BCS-09-32 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. 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

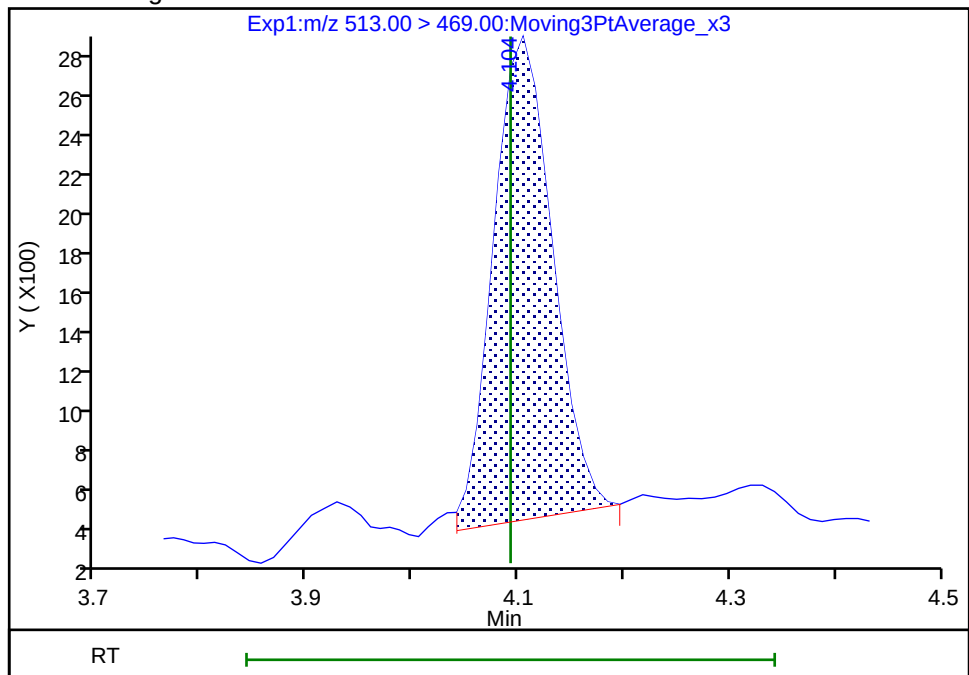
RT: 4.10
Area: 9248
Amount: 0.006572
Amount Units: ng/ml

Processing Integration Results



RT: 4.10
Area: 9456
Amount: 0.006720
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:26:50

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

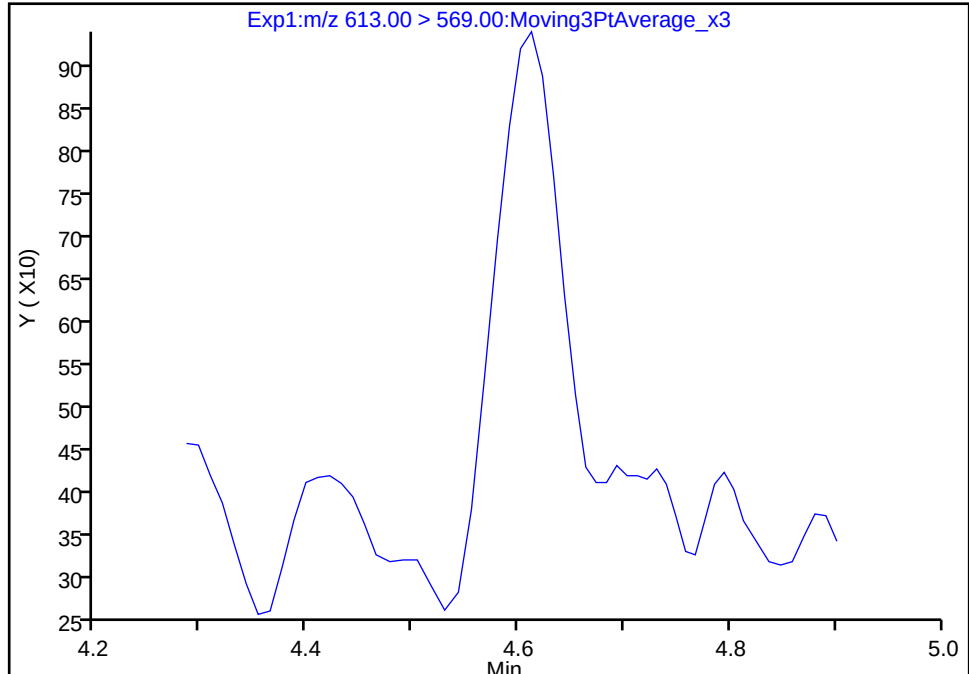
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B04.d		
Injection Date:	11-Aug-2022 18:55:43	Instrument ID:	LC812
Lims ID:	460-263208-A-1-A	Lab Sample ID:	200-263208-1
Client ID:	BCS-09-32 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	4
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	4

37 Perfluorododecanoic acid, CAS: 307-55-1

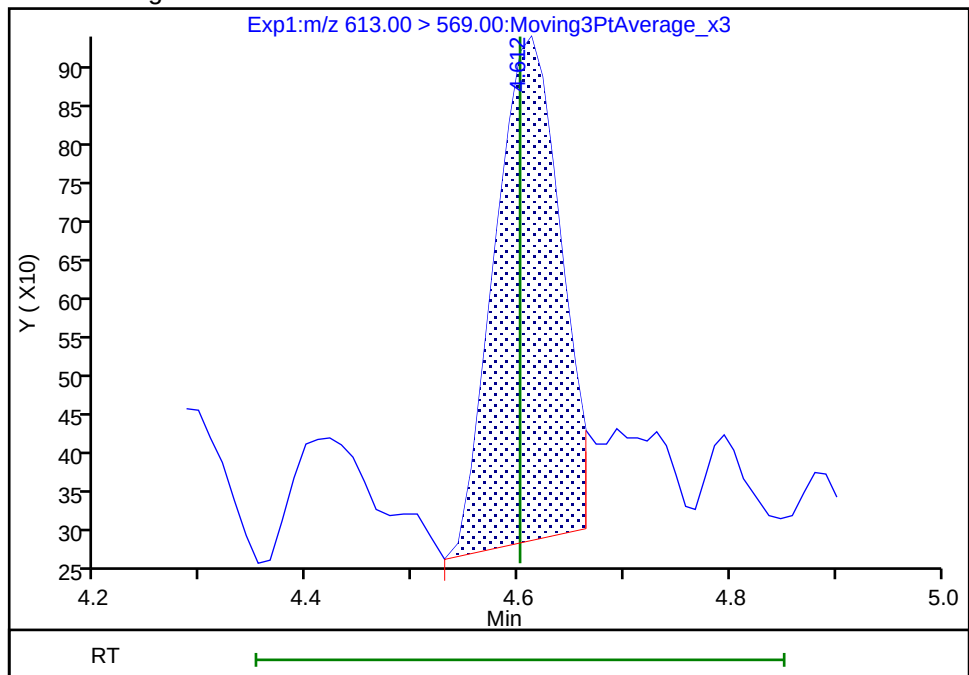
Signal: 1

Not Detected
Expected RT: 4.60

Processing Integration Results



Manual Integration Results

RT: 4.61
Area: 2810
Amount: 0.002582
Amount Units: ng/mlReviewer: nampitakw, 12-Aug-2022 08:28:02
Audit Action: Manually IntegratedAudit Reason: Incomplete Integration
Page 73 of 1695

08/18/2022

Eurofins Burlington

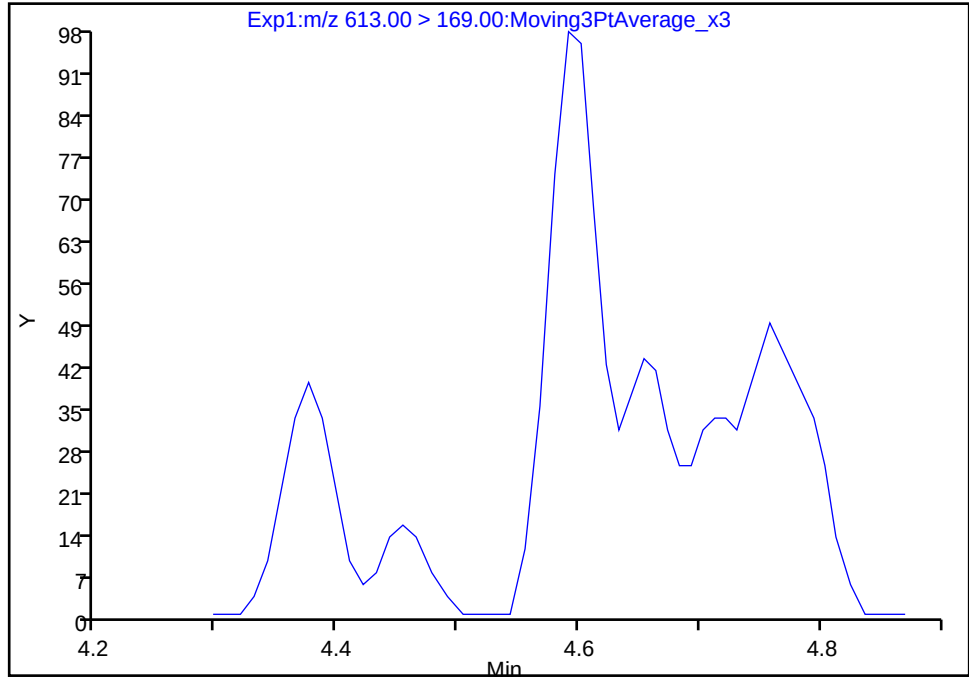
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B04.d
Injection Date: 11-Aug-2022 18:55:43 Instrument ID: LC812
Lims ID: 460-263208-A-1-A Lab Sample ID: 200-263208-1
Client ID: BCS-09-32 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. 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

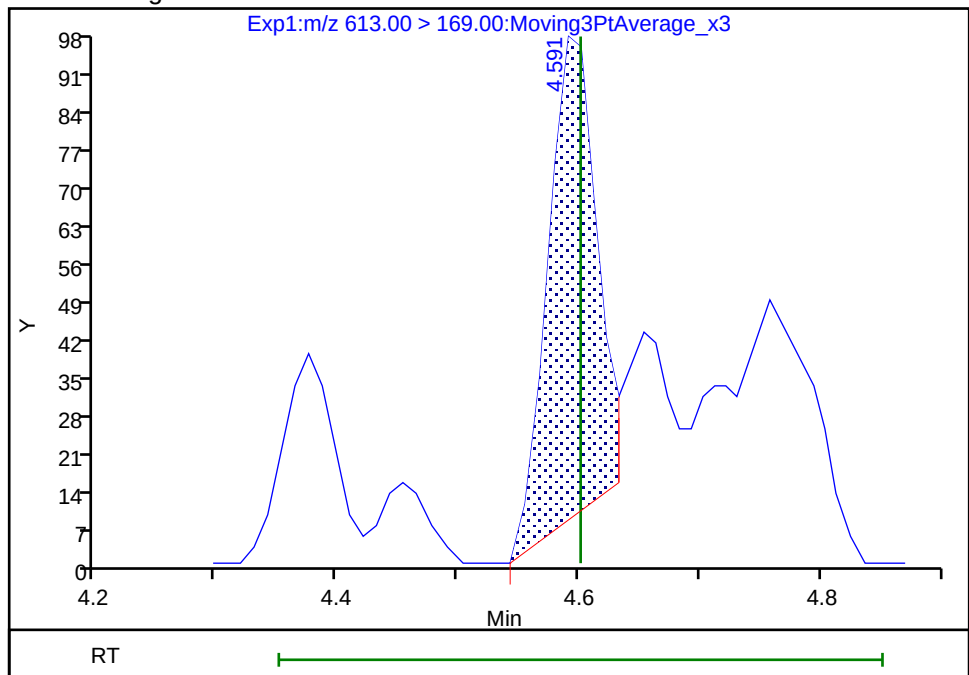
Not Detected
Expected RT: 4.60

Processing Integration Results



Manual Integration Results

RT: 4.59
Area: 248
Amount: 0.002582
Amount Units: ng/ml



Reviewer: nampitakw, 12-Aug-2022 08:28:04

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

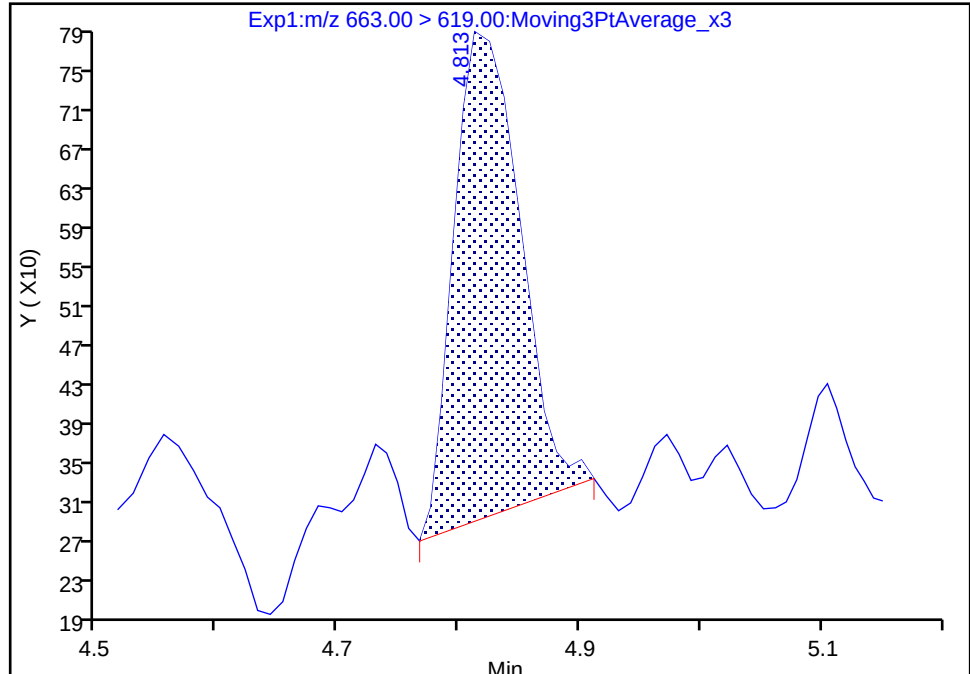
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B04.d		
Injection Date:	11-Aug-2022 18:55:43	Instrument ID:	LC812
Lims ID:	460-263208-A-1-A	Lab Sample ID:	200-263208-1
Client ID:	BCS-09-32 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	4
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	4

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

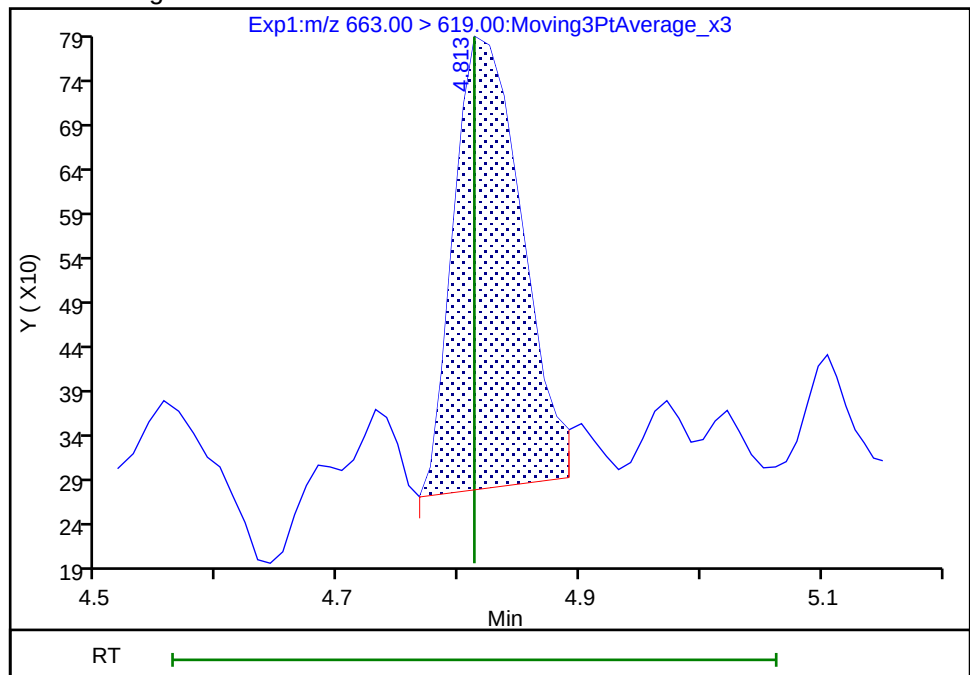
RT: 4.81
Area: 1894
Amount: 0.002007
Amount Units: ng/ml

Processing Integration Results



RT: 4.81
Area: 1995
Amount: 0.002114
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:28:15
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 75 of 1695

08/18/2022

Eurofins Burlington

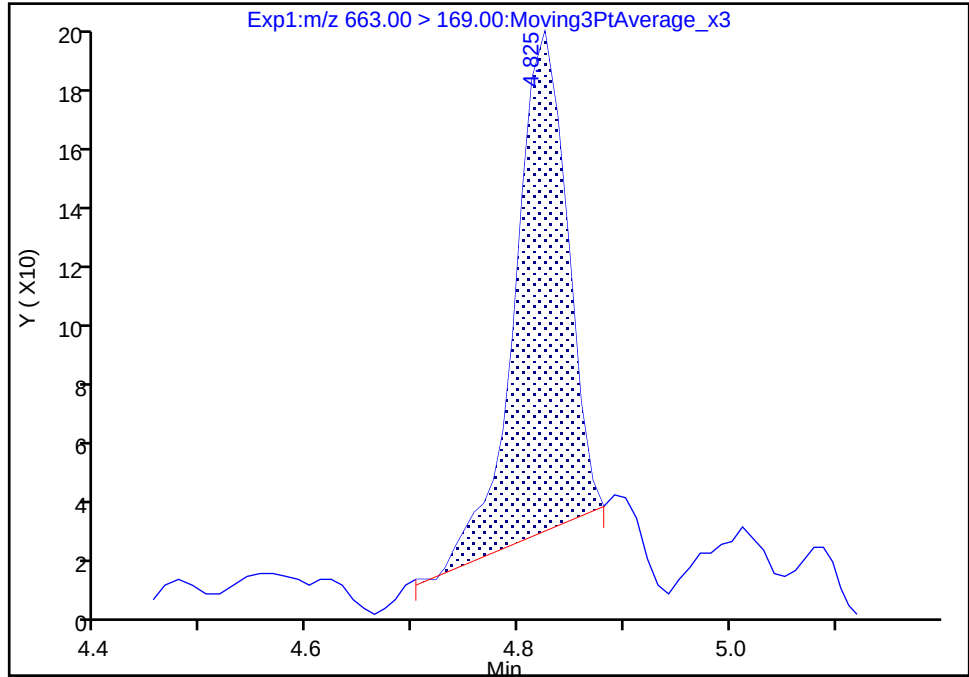
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B04.d
Injection Date: 11-Aug-2022 18:55:43 Instrument ID: LC812
Lims ID: 460-263208-A-1-A Lab Sample ID: 200-263208-1
Client ID: BCS-09-32 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. 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

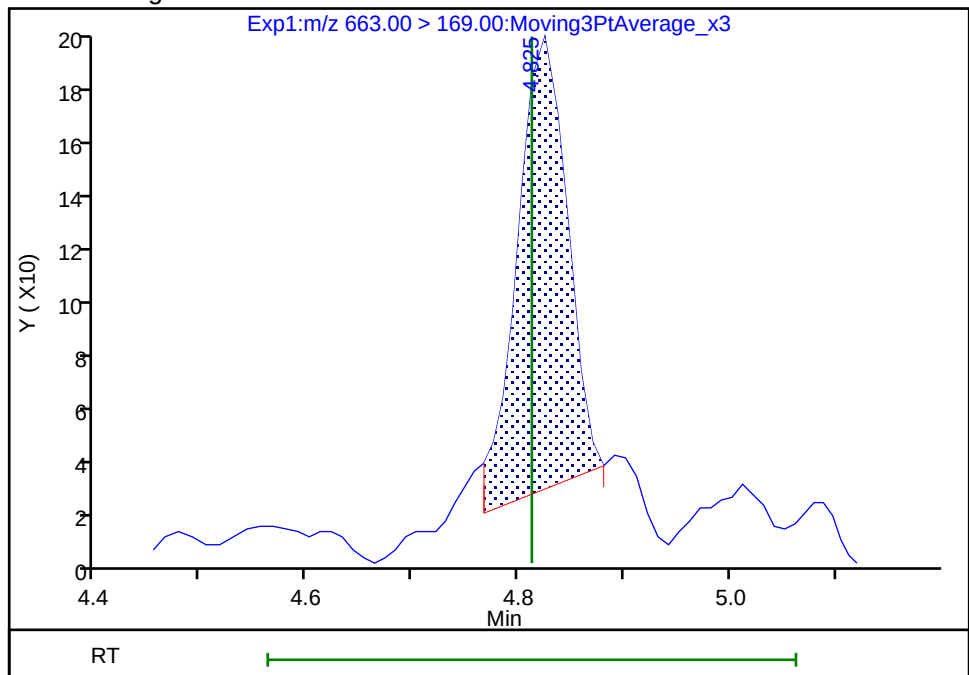
RT: 4.82
Area: 588
Amount: 0.002007
Amount Units: ng/ml

Processing Integration Results



RT: 4.82
Area: 564
Amount: 0.002114
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:28:17

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

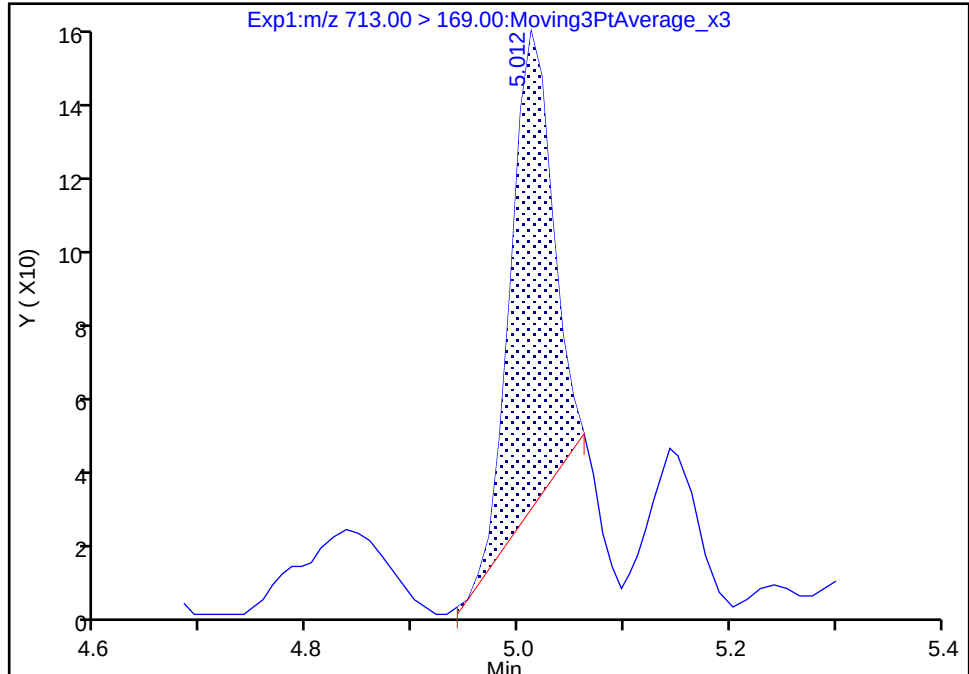
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B04.d		
Injection Date:	11-Aug-2022 18:55:43	Instrument ID:	LC812
Lims ID:	460-263208-A-1-A	Lab Sample ID:	200-263208-1
Client ID:	BCS-09-32 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	4
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	4

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

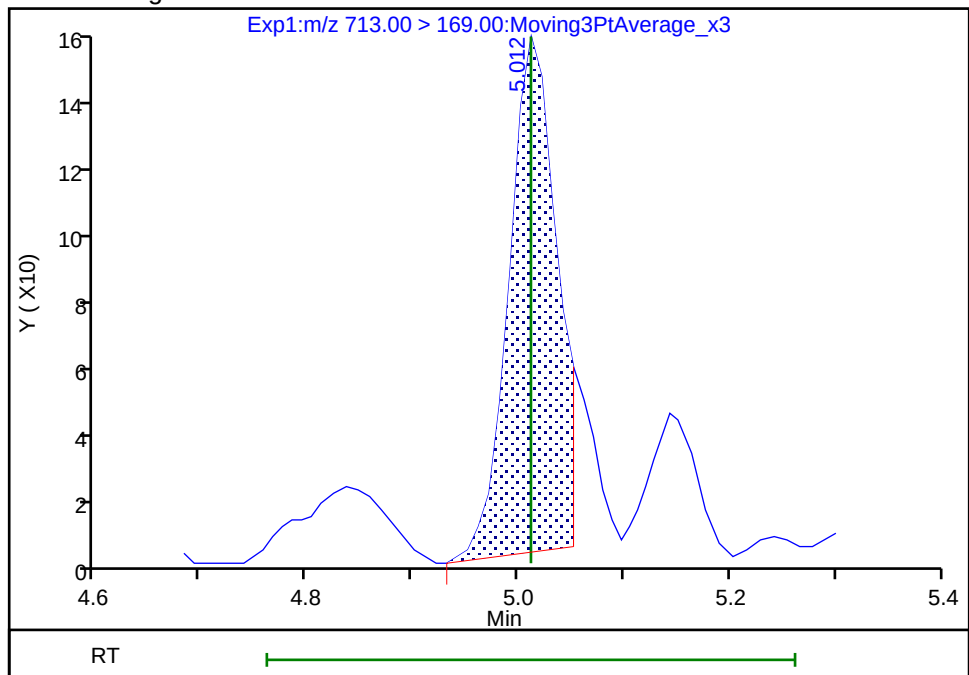
RT: 5.01
Area: 352
Amount: 0.002398
Amount Units: ng/ml

Processing Integration Results



RT: 5.01
Area: 479
Amount: 0.003303
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:28:29
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 77 of 1695

08/18/2022

Eurofins Burlington

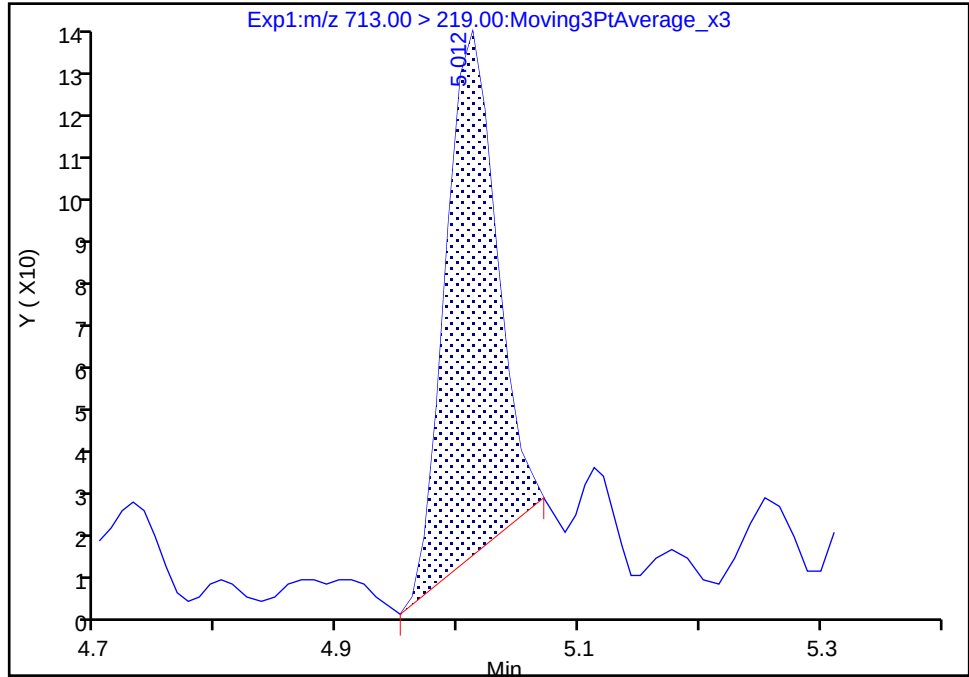
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B04.d
Injection Date: 11-Aug-2022 18:55:43 Instrument ID: LC812
Lims ID: 460-263208-A-1-A Lab Sample ID: 200-263208-1
Client ID: BCS-09-32 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. 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

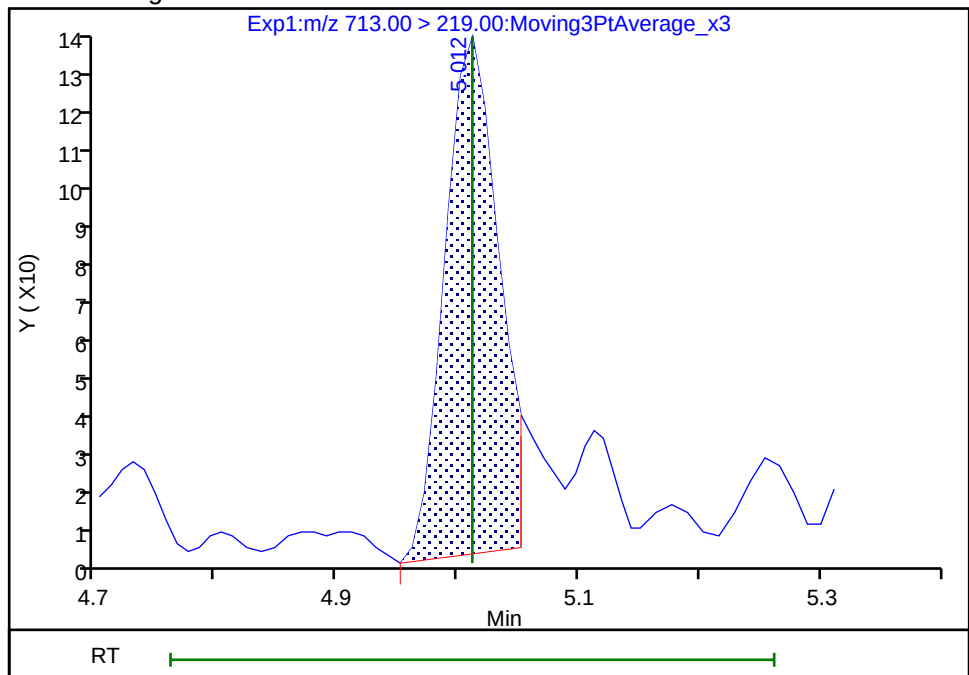
RT: 5.01
Area: 358
Amount: 0.002398
Amount Units: ng/ml

Processing Integration Results



RT: 5.01
Area: 406
Amount: 0.003303
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:28:34

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

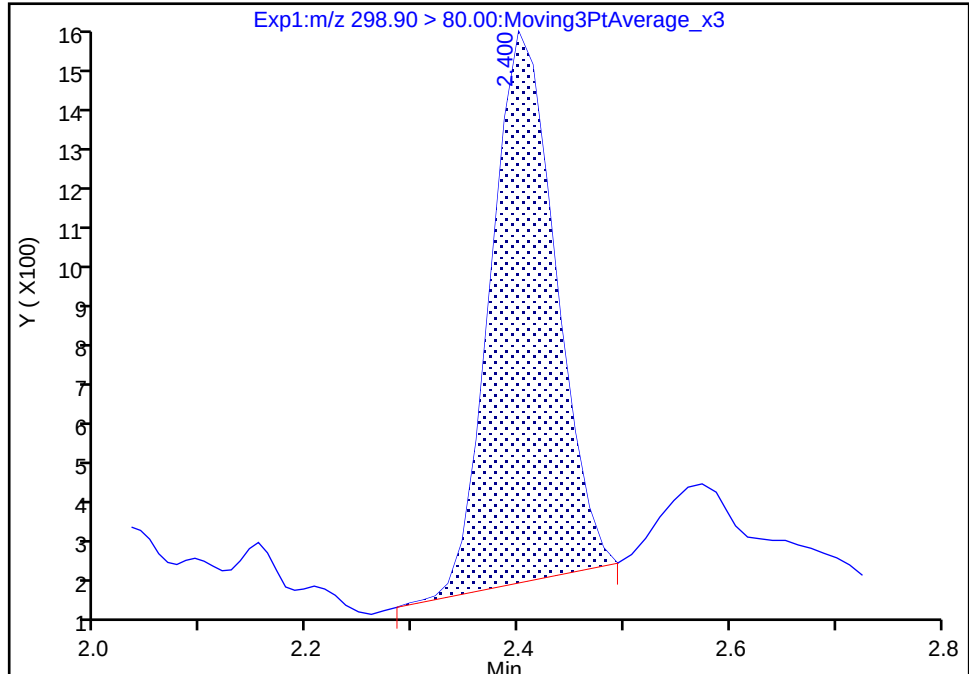
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B04.d		
Injection Date:	11-Aug-2022 18:55:43	Instrument ID:	LC812
Lims ID:	460-263208-A-1-A	Lab Sample ID:	200-263208-1
Client ID:	BCS-09-32 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	4
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	4

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

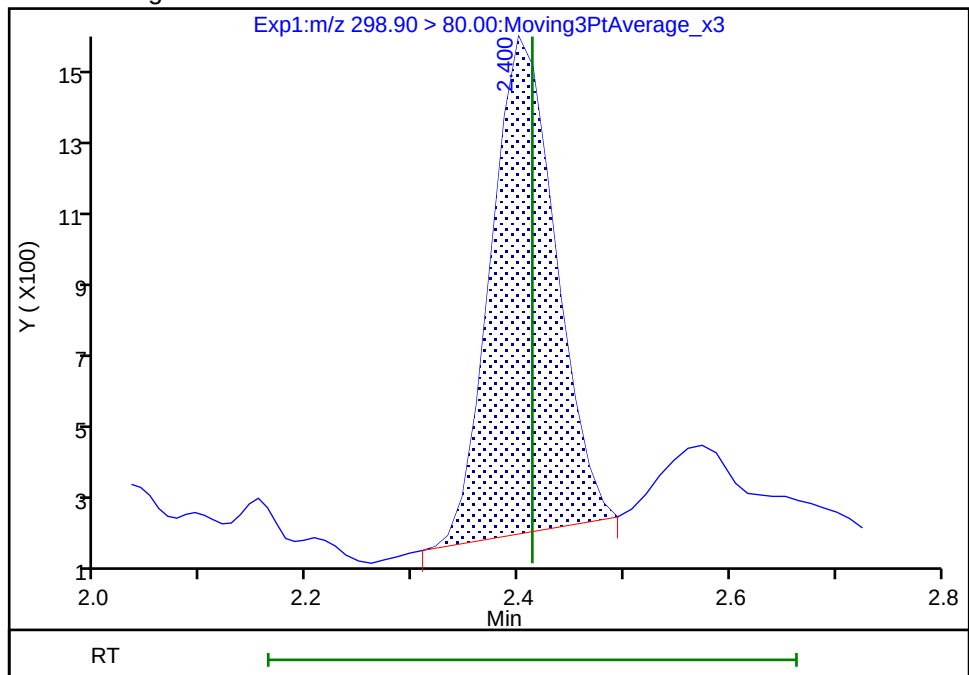
RT: 2.40
Area: 5661
Amount: 0.004428
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 5630
Amount: 0.004404
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:24:17

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

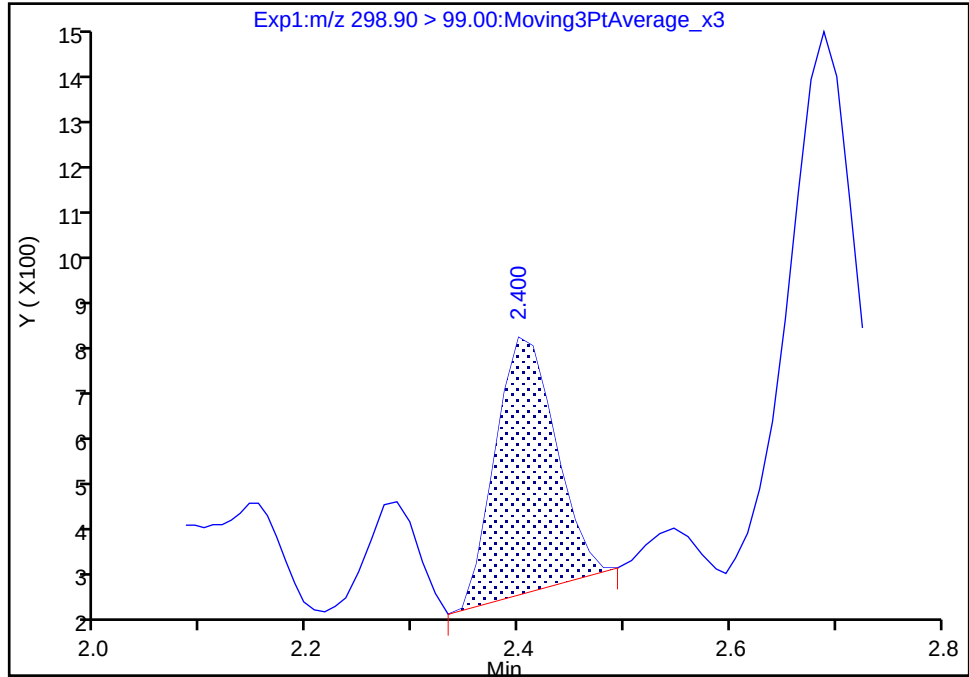
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B04.d
Injection Date: 11-Aug-2022 18:55:43 Instrument ID: LC812
Lims ID: 460-263208-A-1-A Lab Sample ID: 200-263208-1
Client ID: BCS-09-32 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

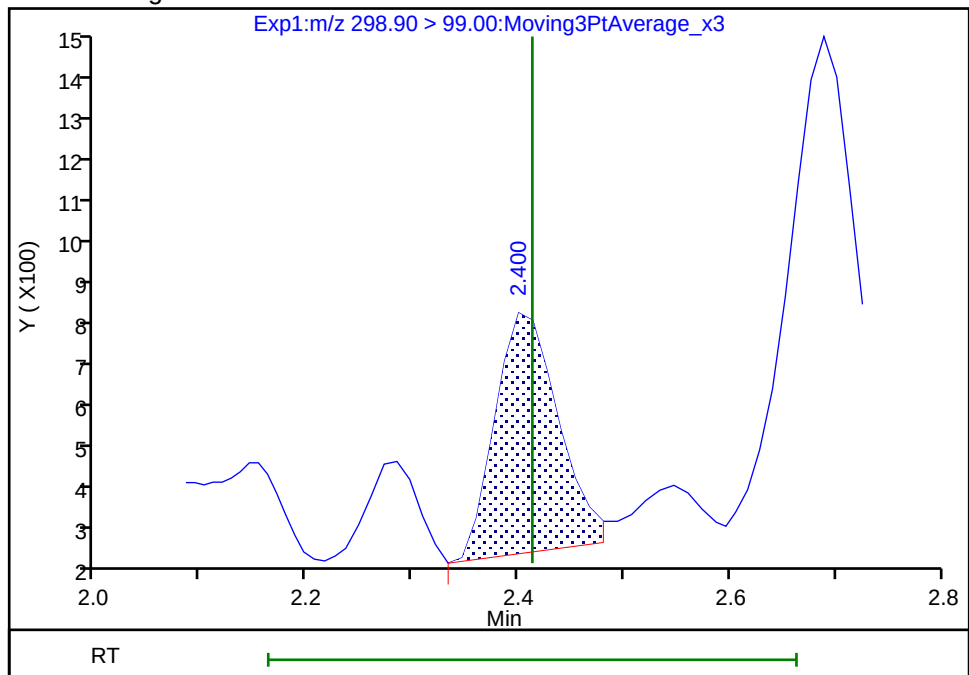
RT: 2.40
Area: 2036
Amount: 0.004428
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 2206
Amount: 0.004404
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:24:23

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 80 of 1695

08/18/2022

Eurofins Burlington

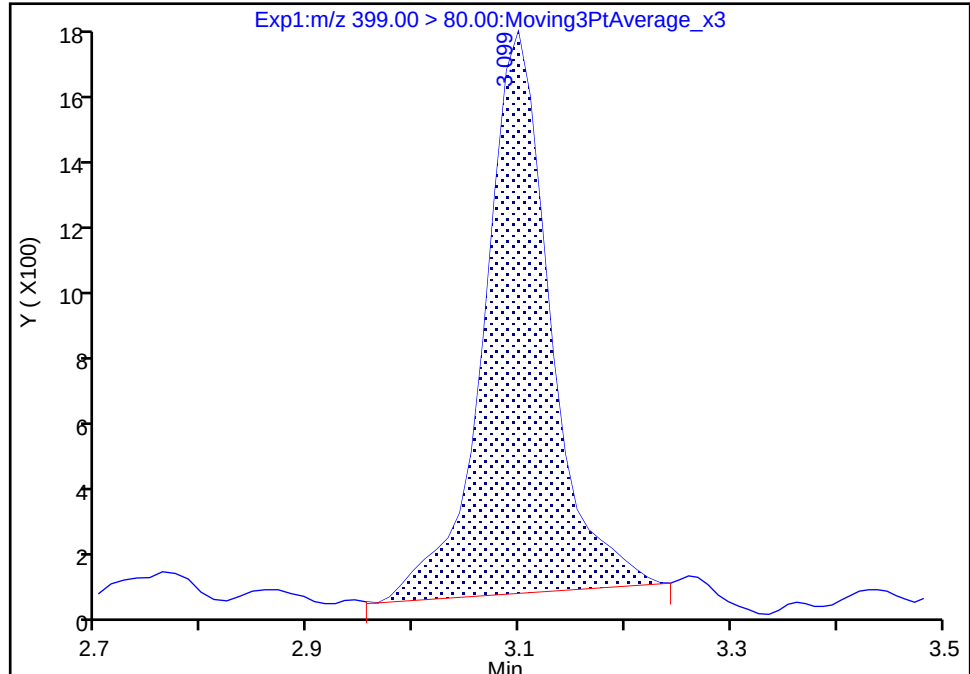
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B04.d		
Injection Date:	11-Aug-2022 18:55:43	Instrument ID:	LC812
Lims ID:	460-263208-A-1-A	Lab Sample ID:	200-263208-1
Client ID:	BCS-09-32 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	4
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	4

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

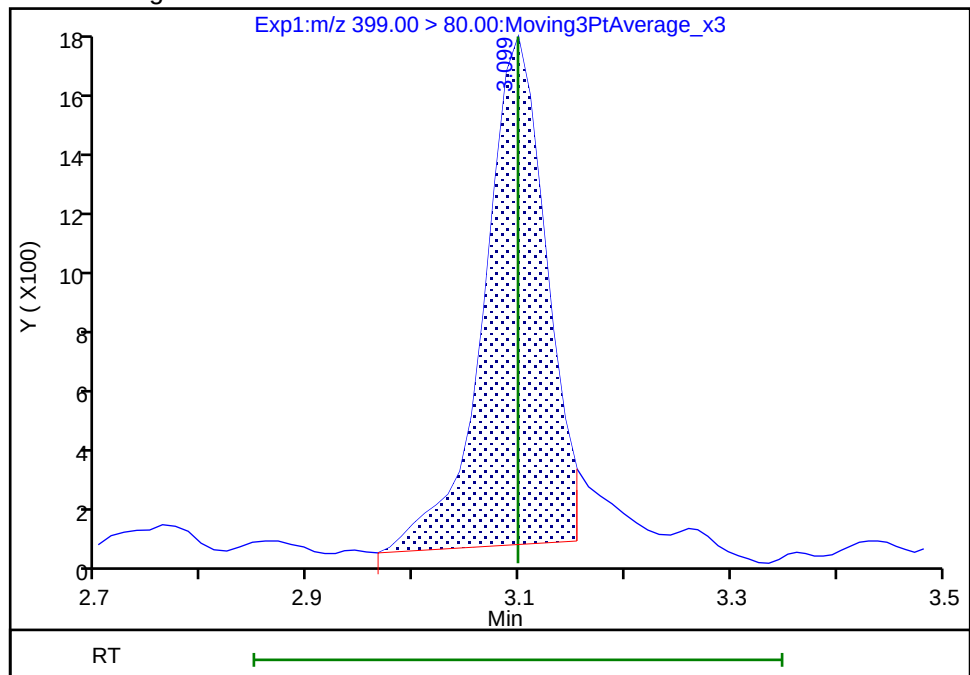
RT: 3.10
Area: 7075
Amount: 0.007306
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 6623
Amount: 0.006839
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:24:37

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

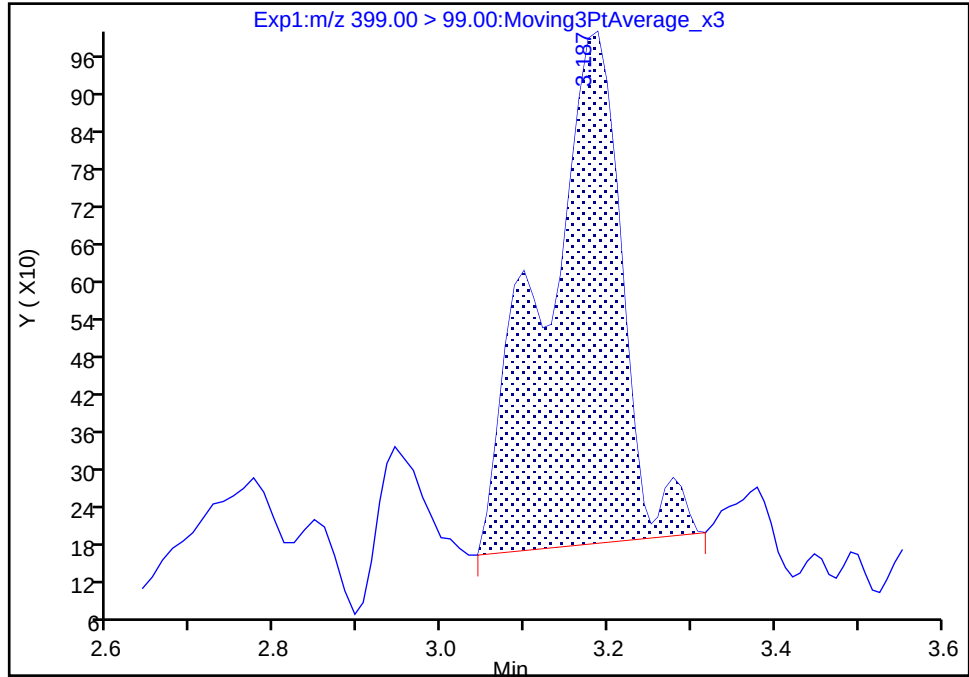
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B04.d
Injection Date: 11-Aug-2022 18:55:43 Instrument ID: LC812
Lims ID: 460-263208-A-1-A Lab Sample ID: 200-263208-1
Client ID: BCS-09-32 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. 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

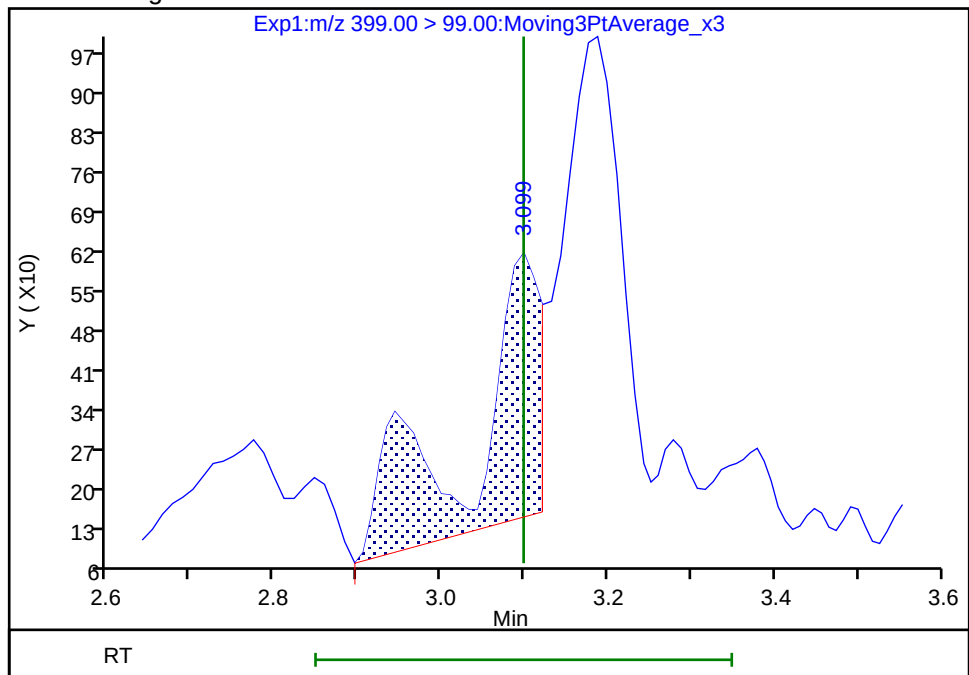
RT: 3.19
Area: 5427
Amount: 0.007306
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 2546
Amount: 0.006839
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:24:58

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

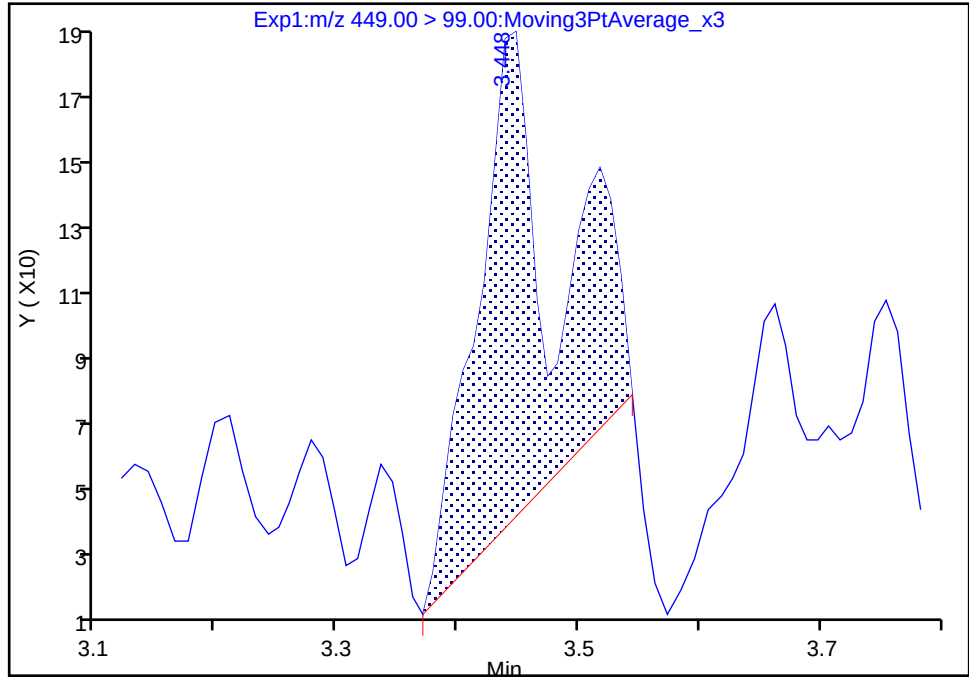
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B04.d		
Injection Date:	11-Aug-2022 18:55:43	Instrument ID:	LC812
Lims ID:	460-263208-A-1-A	Lab Sample ID:	200-263208-1
Client ID:	BCS-09-32 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	4
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	4

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

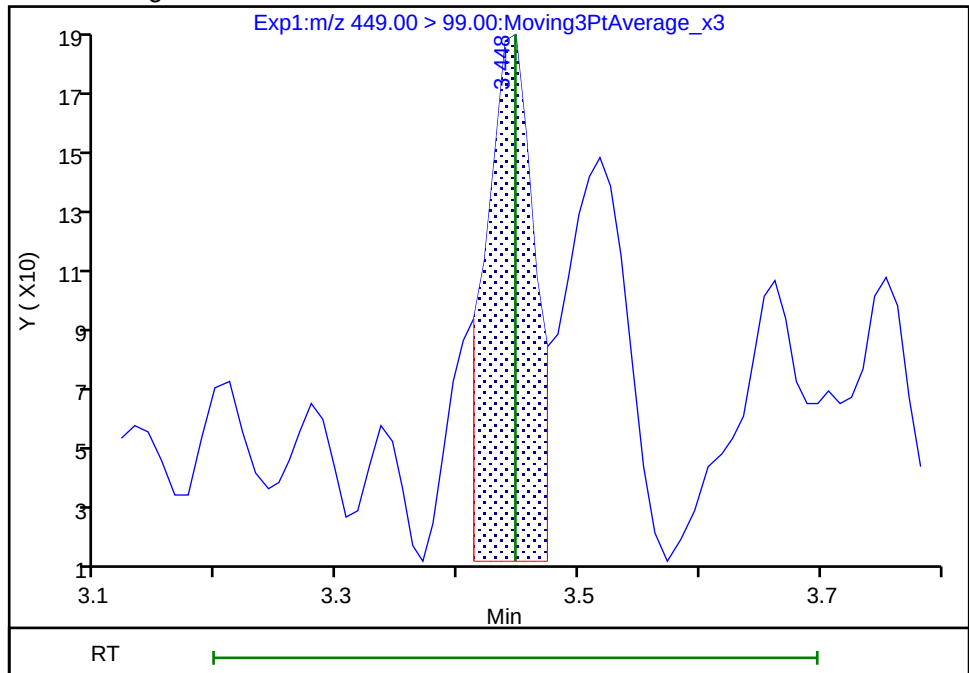
RT: 3.45
Area: 648
Amount: 0.001012
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 445
Amount: 0.001458
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:25:39

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

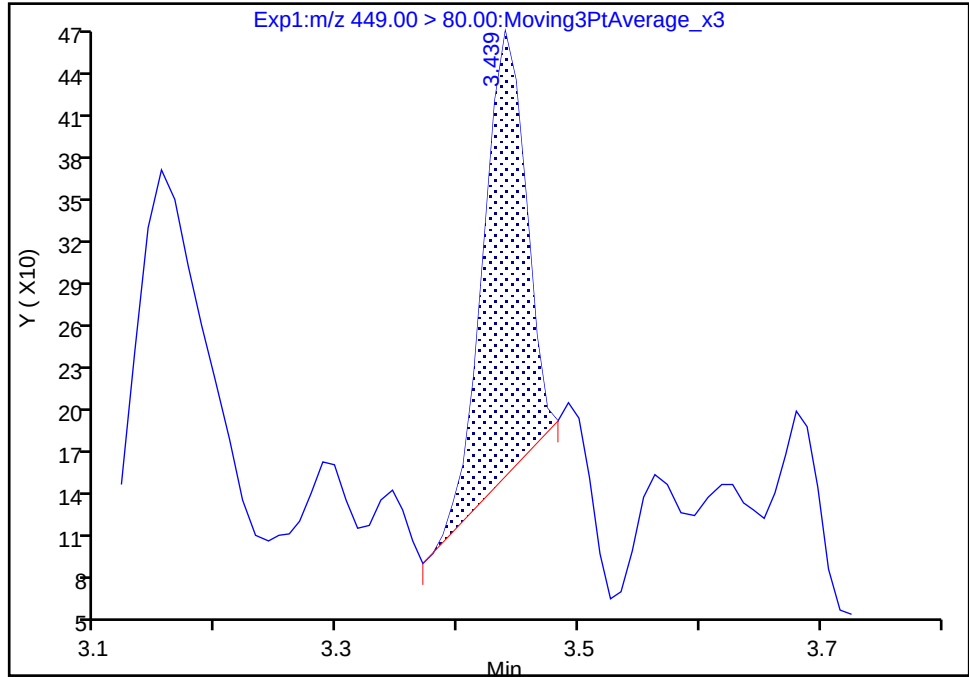
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B04.d
Injection Date: 11-Aug-2022 18:55:43 Instrument ID: LC812
Lims ID: 460-263208-A-1-A Lab Sample ID: 200-263208-1
Client ID: BCS-09-32 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. 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

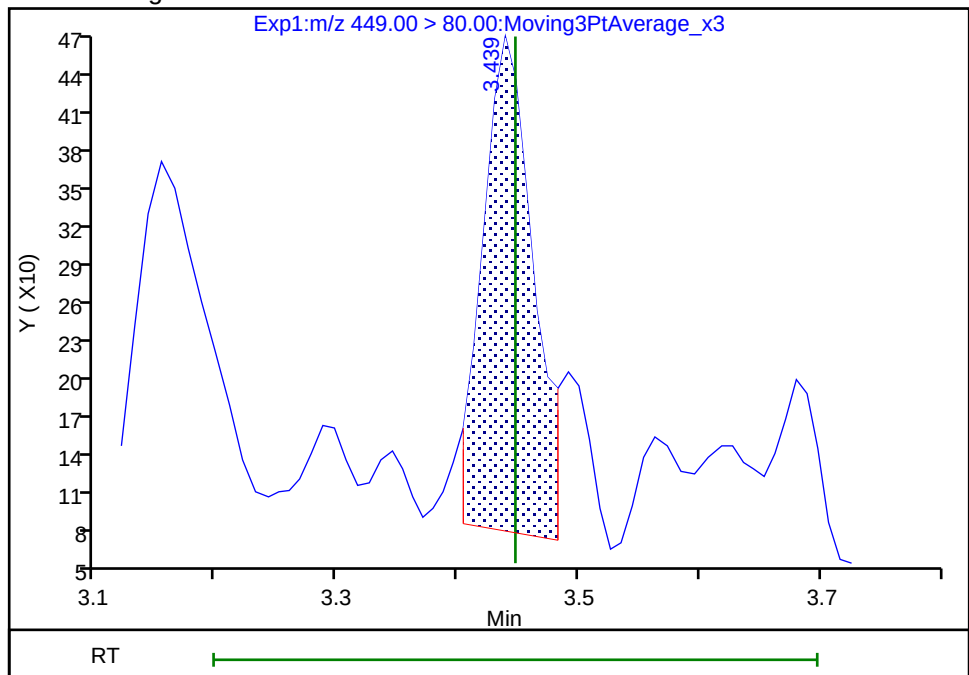
RT: 3.44
Area: 772
Amount: 0.001012
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 1112
Amount: 0.001458
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:25:46

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

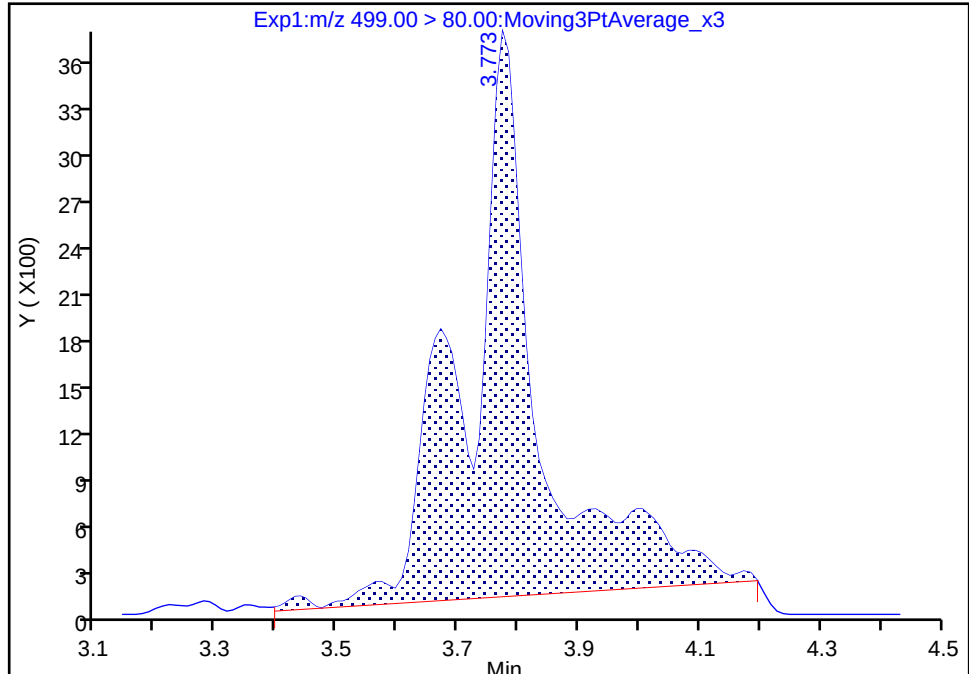
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B04.d		
Injection Date:	11-Aug-2022 18:55:43	Instrument ID:	LC812
Lims ID:	460-263208-A-1-A	Lab Sample ID:	200-263208-1
Client ID:	BCS-09-32 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	4
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	4

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

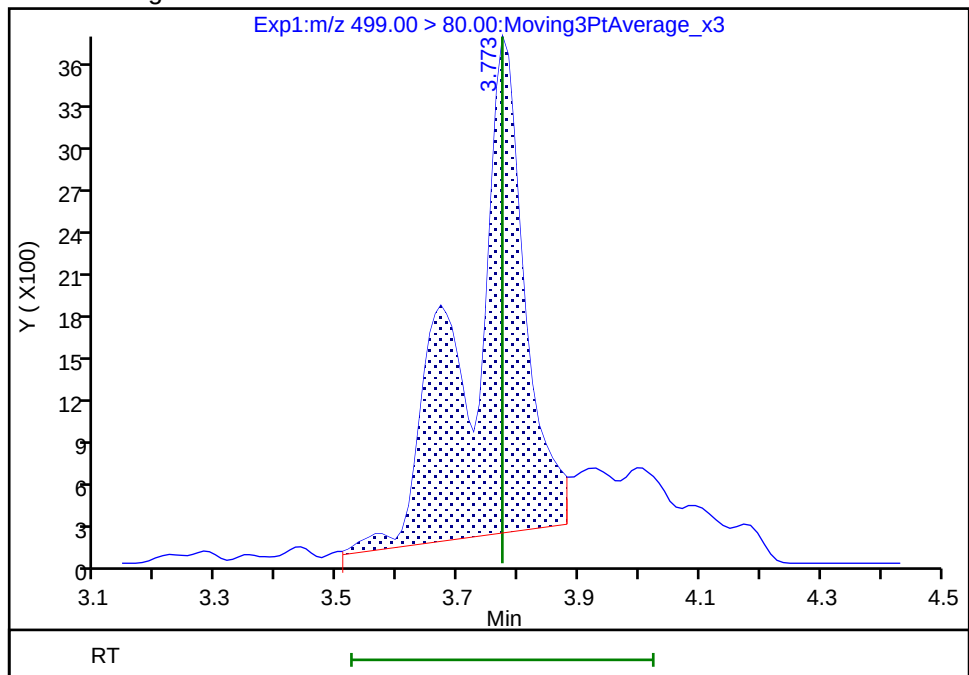
RT: 3.77
Area: 31142
Amount: 0.032264
Amount Units: ng/ml

Processing Integration Results



RT: 3.77
Area: 23282
Amount: 0.019458
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:26:13
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 85 of 1695

08/18/2022

Eurofins Burlington

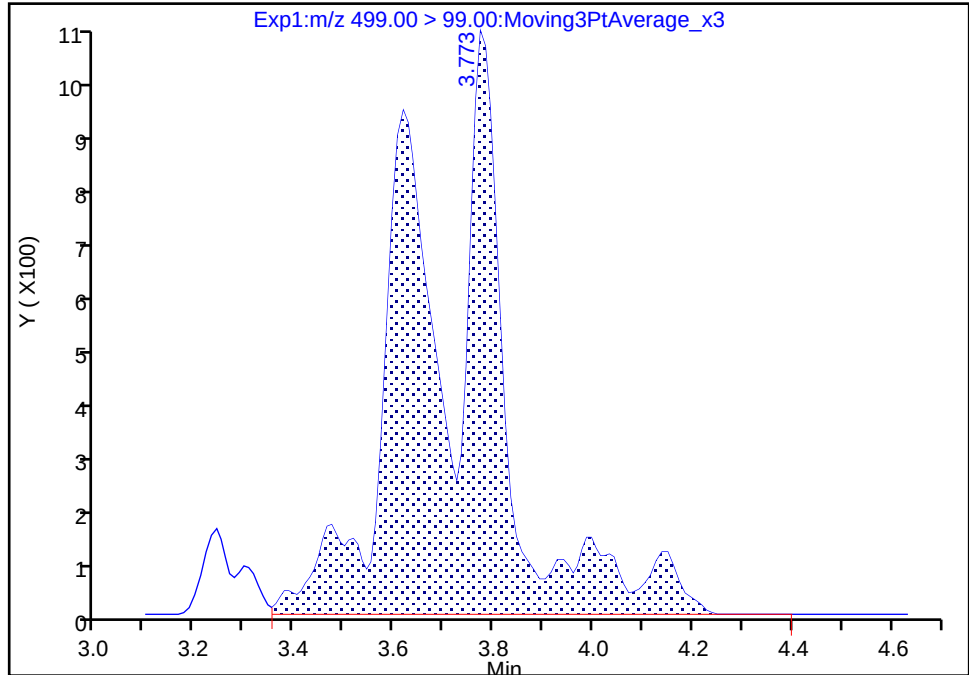
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B04.d
Injection Date: 11-Aug-2022 18:55:43 Instrument ID: LC812
Lims ID: 460-263208-A-1-A Lab Sample ID: 200-263208-1
Client ID: BCS-09-32 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. 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

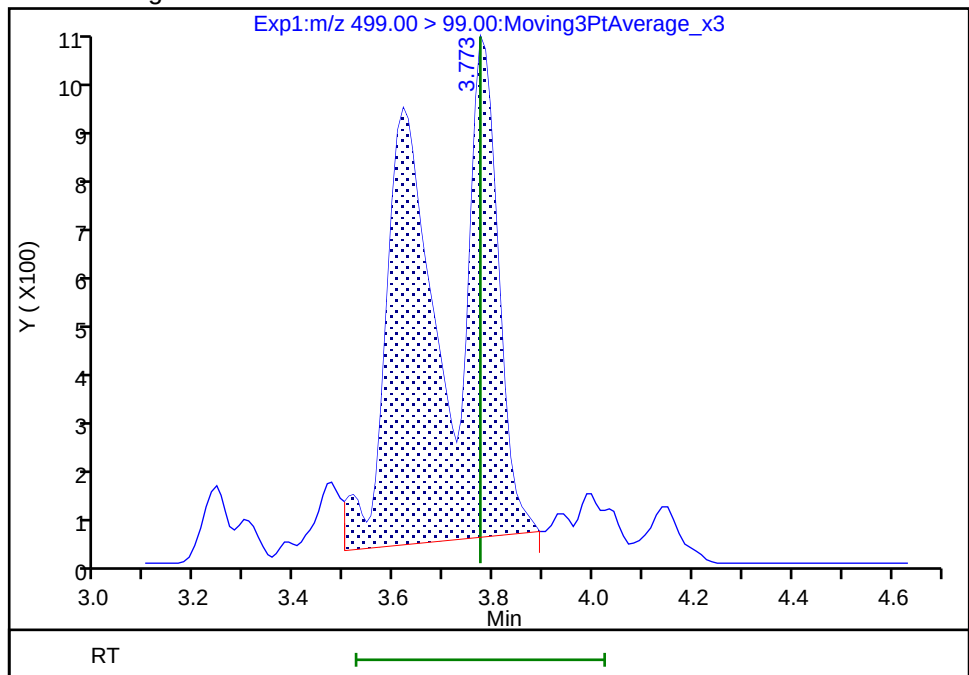
RT: 3.77
Area: 12837
Amount: 0.032264
Amount Units: ng/ml

Processing Integration Results



RT: 3.77
Area: 9550
Amount: 0.019458
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:26:23

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 86 of 1695

08/18/2022

Eurofins Burlington

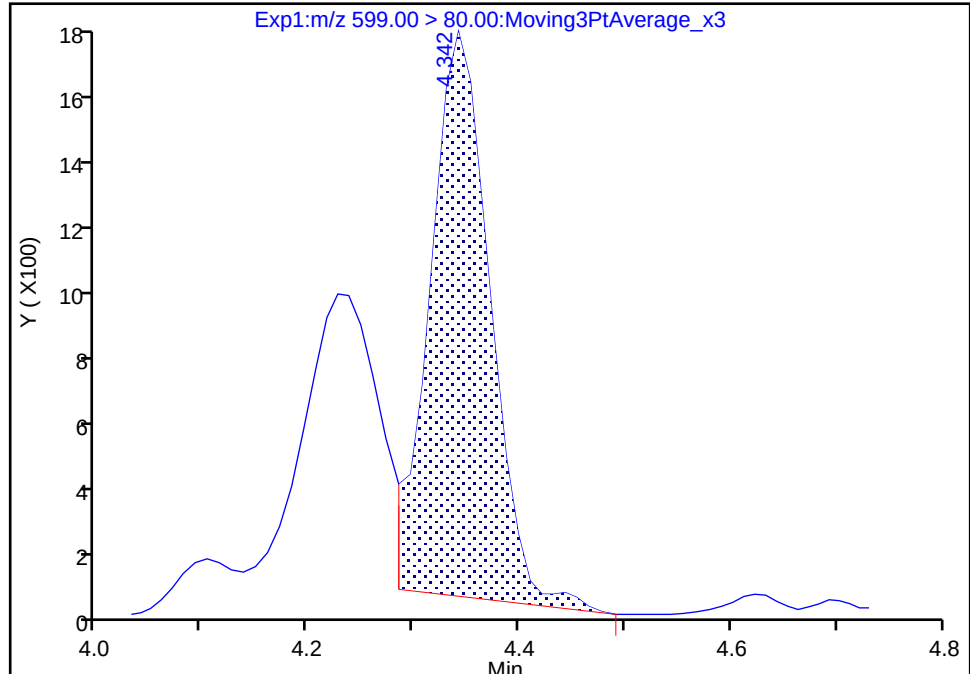
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B04.d		
Injection Date:	11-Aug-2022 18:55:43	Instrument ID:	LC812
Lims ID:	460-263208-A-1-A	Lab Sample ID:	200-263208-1
Client ID:	BCS-09-32 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	4
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	4

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

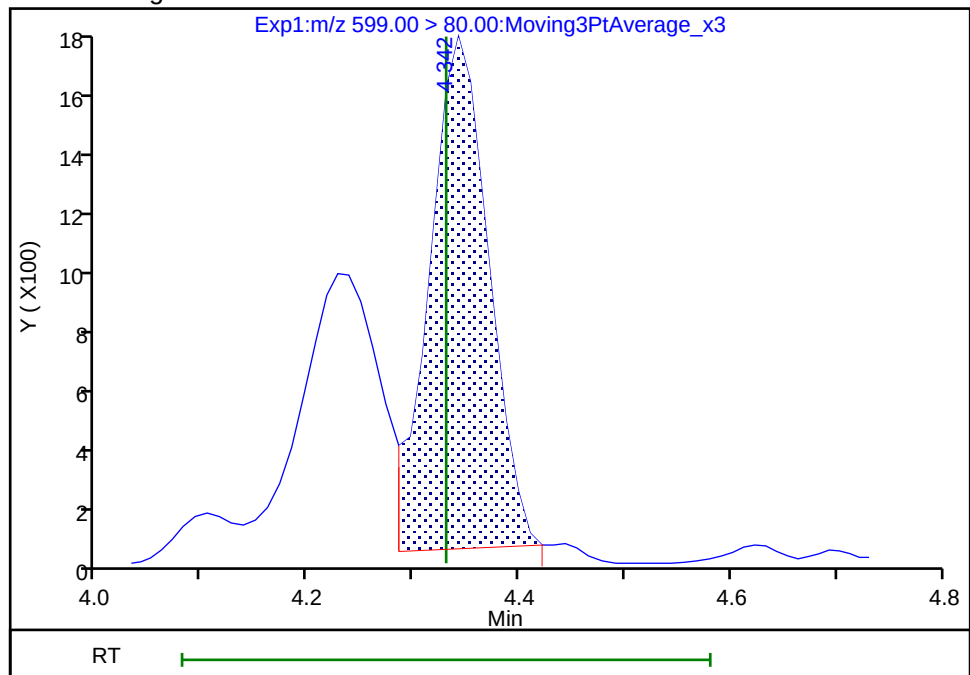
RT: 4.34
Area: 6845
Amount: 0.019043
Amount Units: ng/ml

Processing Integration Results



RT: 4.34
Area: 6741
Amount: 0.018754
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:27:25

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

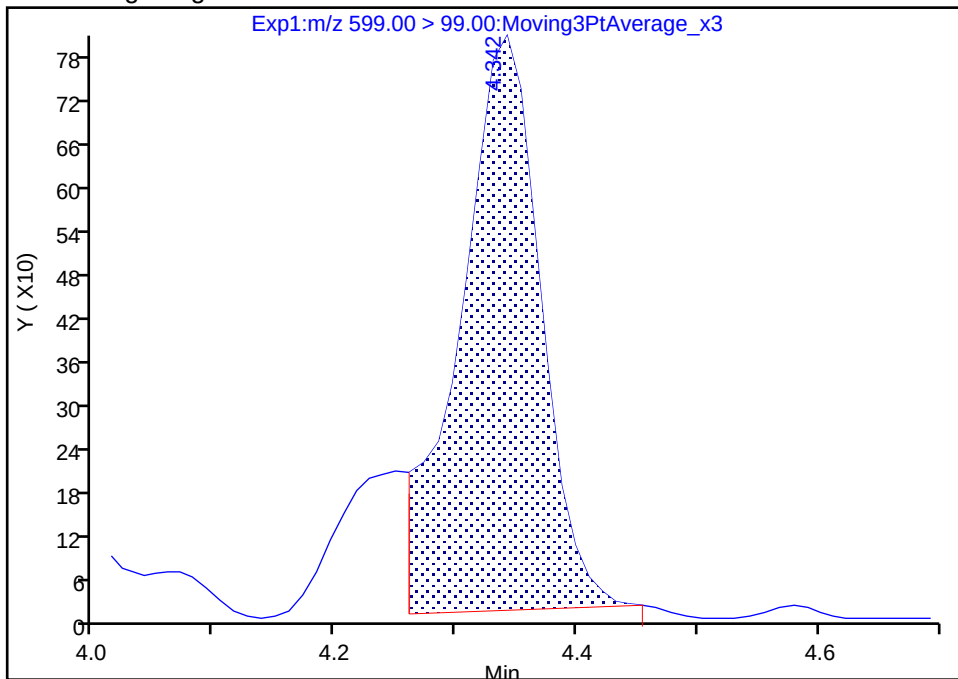
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B04.d
Injection Date: 11-Aug-2022 18:55:43 Instrument ID: LC812
Lims ID: 460-263208-A-1-A Lab Sample ID: 200-263208-1
Client ID: BCS-09-32 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. 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

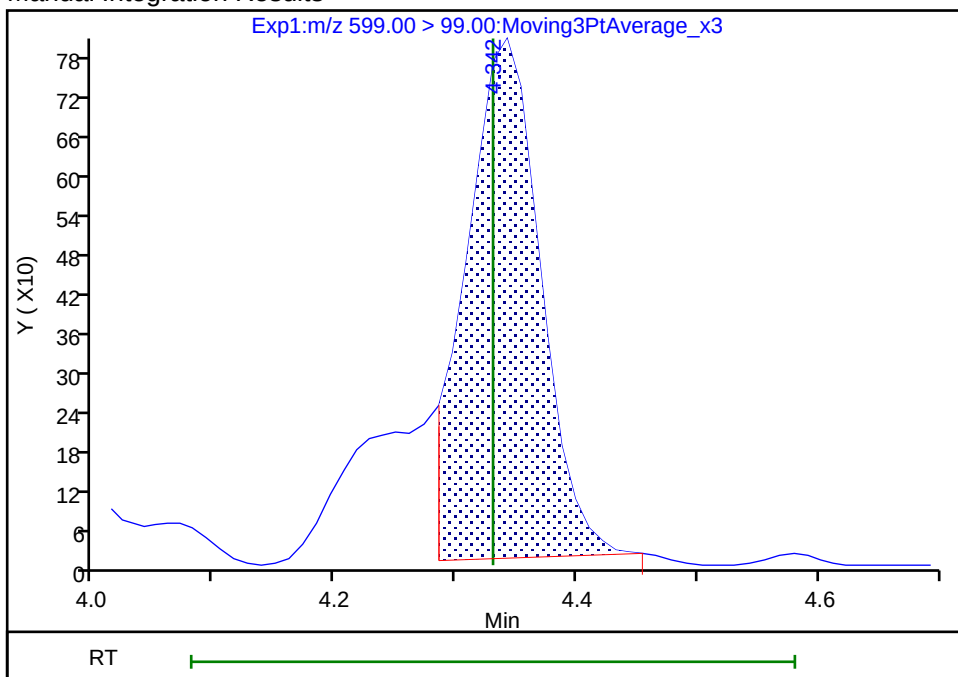
RT: 4.34
Area: 3670
Amount: 0.019043
Amount Units: ng/ml

Processing Integration Results



RT: 4.34
Area: 3366
Amount: 0.018754
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 09:45:56

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B04.d		
Injection Date:	11-Aug-2022 18:55:43	Instrument ID:	LC812
Lims ID:	460-263208-A-1-A	Lab Sample ID:	200-263208-1
Client ID:	BCS-09-32 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	4 Workli
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1

ALS Bottle#: 4 Worklist Smp#: 4
Dil. Factor: 1.0000
Limit Group: LC_PFC_ICAL
Detector: EXP1

Signal: 1

Not Detected
Expected RT: 4.16

Exp1:m/z 498.00 > 78.00:Moving3PtAverage_x3

Y (X100)

Min

Time (Min)	Y (X100)
3.85	0.2
3.90	0.8
3.95	1.0
4.00	0.6
4.05	1.6
4.10	1.0
4.15	11.0
4.20	3.0
4.25	0.5
4.30	0.2
4.35	0.6
4.40	0.2
4.45	1.0
4.50	0.5

RT: 4.15
Area: 3858
Amount: 0.004046
Amount Units: ng/ml

Exp1:m/z 498.00 > 78.00:Moving3PtAverage_x3

4.150

Y (X100)

RT

Reviewer: nampitakw, 12-Aug-2022 08:27:06
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

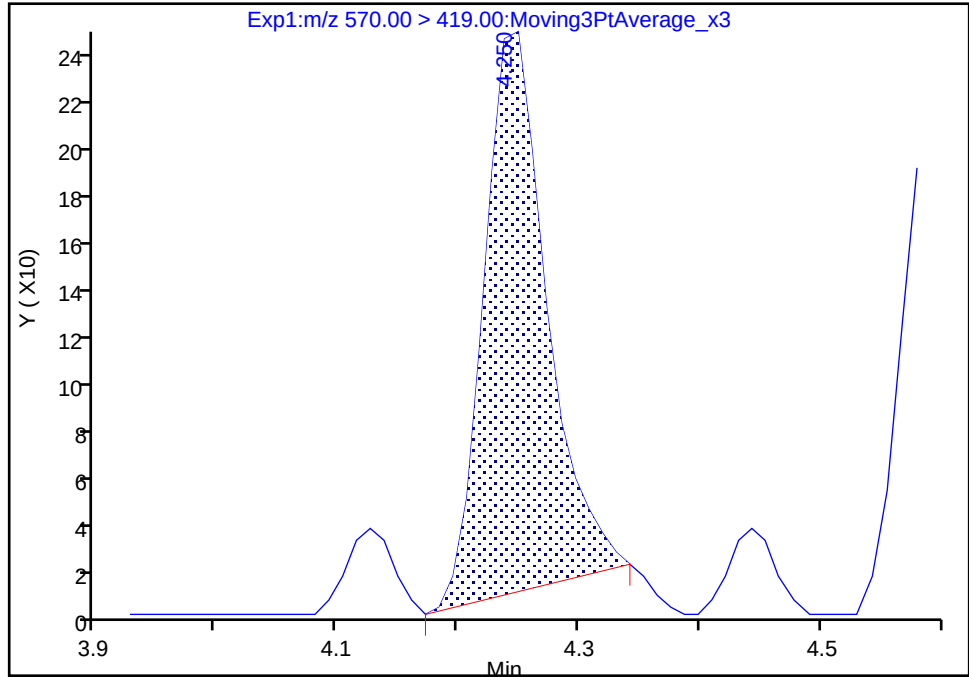
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B04.d		
Injection Date:	11-Aug-2022 18:55:43	Instrument ID:	LC812
Lims ID:	460-263208-A-1-A	Lab Sample ID:	200-263208-1
Client ID:	BCS-09-32 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	4
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	4

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

Signal: 1

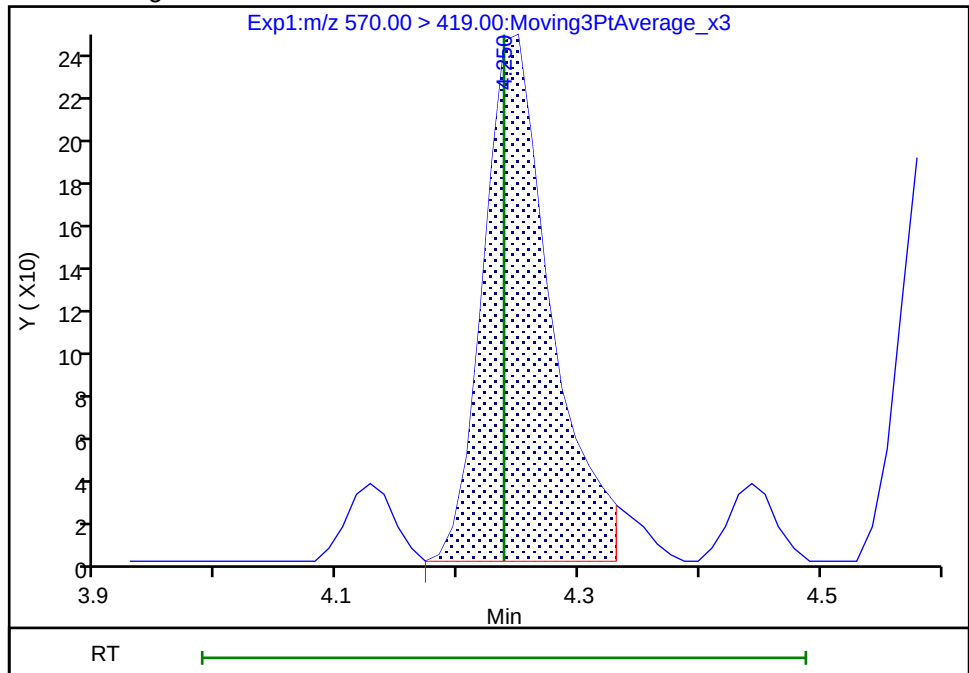
RT: 4.25
Area: 852
Amount: 0.005977
Amount Units: ng/ml

Processing Integration Results



RT: 4.25
Area: 943
Amount: 0.006615
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:27:14
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 90 of 1695

08/18/2022

Eurofins Burlington

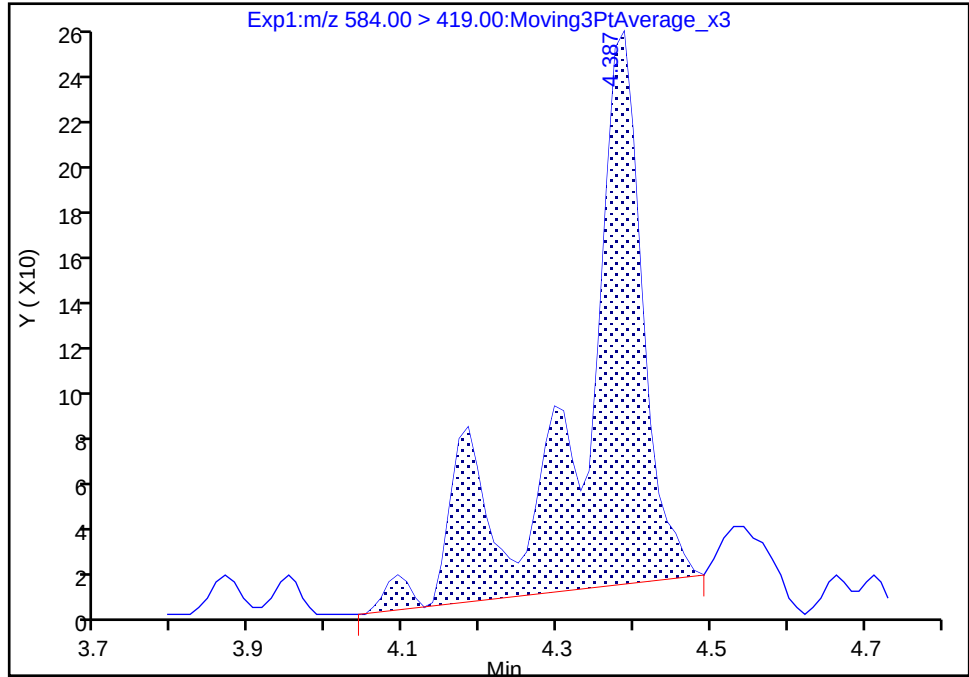
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B04.d		
Injection Date:	11-Aug-2022 18:55:43	Instrument ID:	LC812
Lims ID:	460-263208-A-1-A	Lab Sample ID:	200-263208-1
Client ID:	BCS-09-32 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	4
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	4

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

Signal: 1

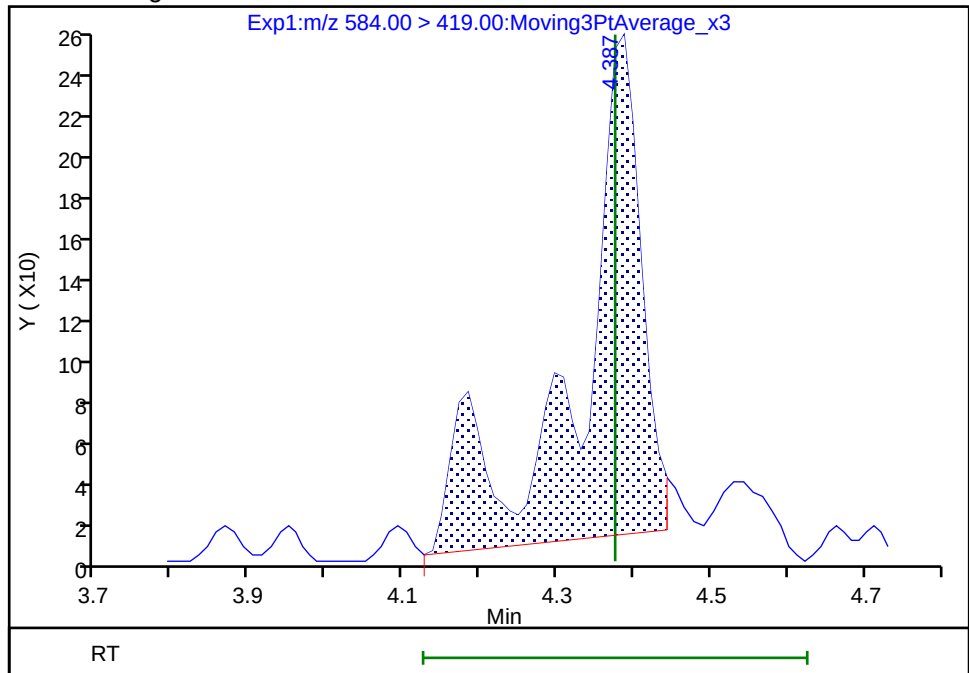
RT: 4.39
Area: 1424
Amount: 0.009607
Amount Units: ng/ml

Processing Integration Results



RT: 4.39
Area: 1364
Amount: 0.009202
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:27:50
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 91 of 1695

08/18/2022

Eurofins Burlington

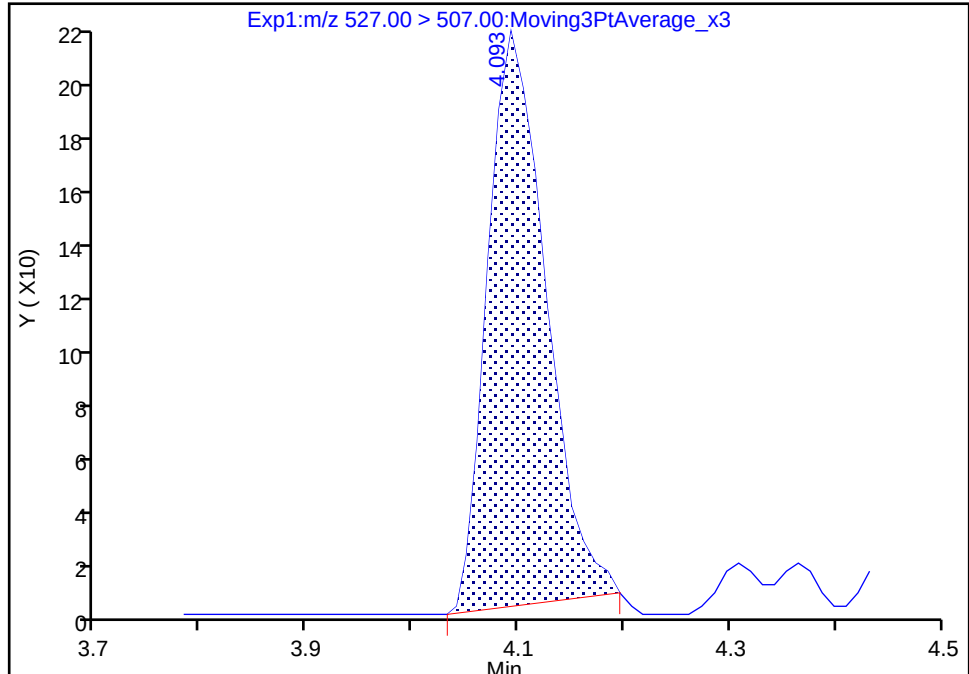
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B04.d		
Injection Date:	11-Aug-2022 18:55:43	Instrument ID:	LC812
Lims ID:	460-263208-A-1-A	Lab Sample ID:	200-263208-1
Client ID:	BCS-09-32 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	4
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	4

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

Signal: 1

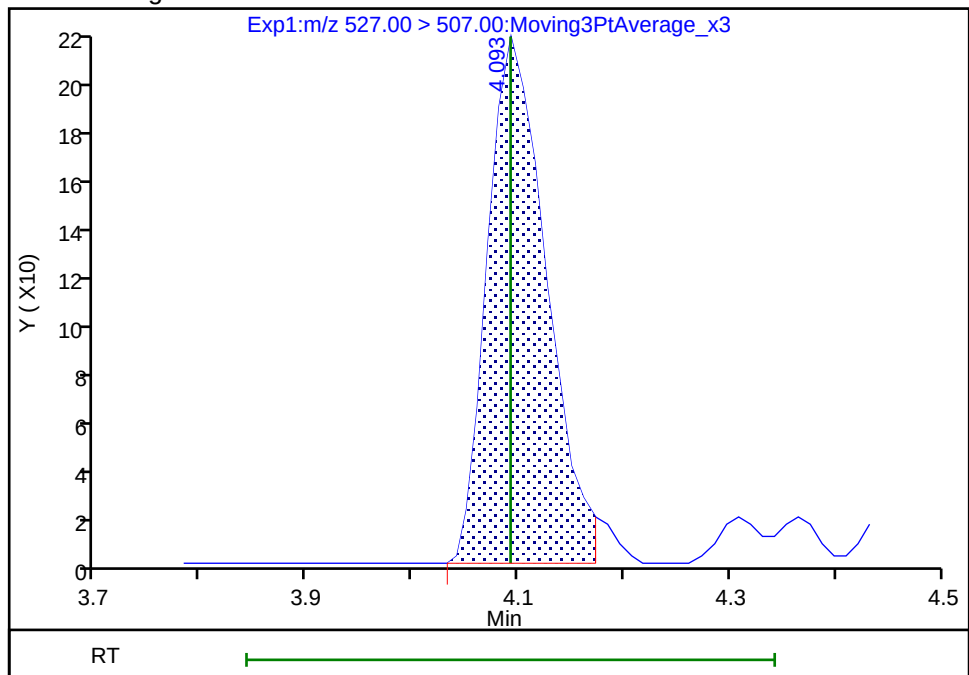
RT: 4.09
Area: 815
Amount: 0.005108
Amount Units: ng/ml

Processing Integration Results



RT: 4.09
Area: 834
Amount: 0.005227
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:26:58
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 92 of 1695

08/18/2022

Eurofins Burlington

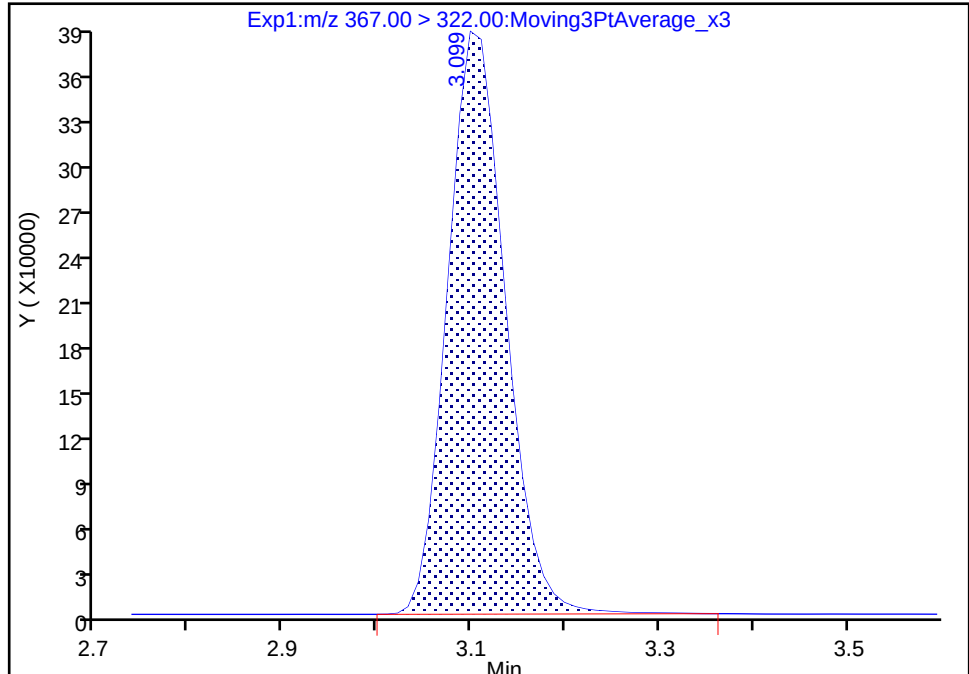
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B04.d		
Injection Date:	11-Aug-2022 18:55:43	Instrument ID:	LC812
Lims ID:	460-263208-A-1-A	Lab Sample ID:	200-263208-1
Client ID:	BCS-09-32 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	4
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	4

D 9 13C4 PFHpA, CAS: STL01892

Signal: 1

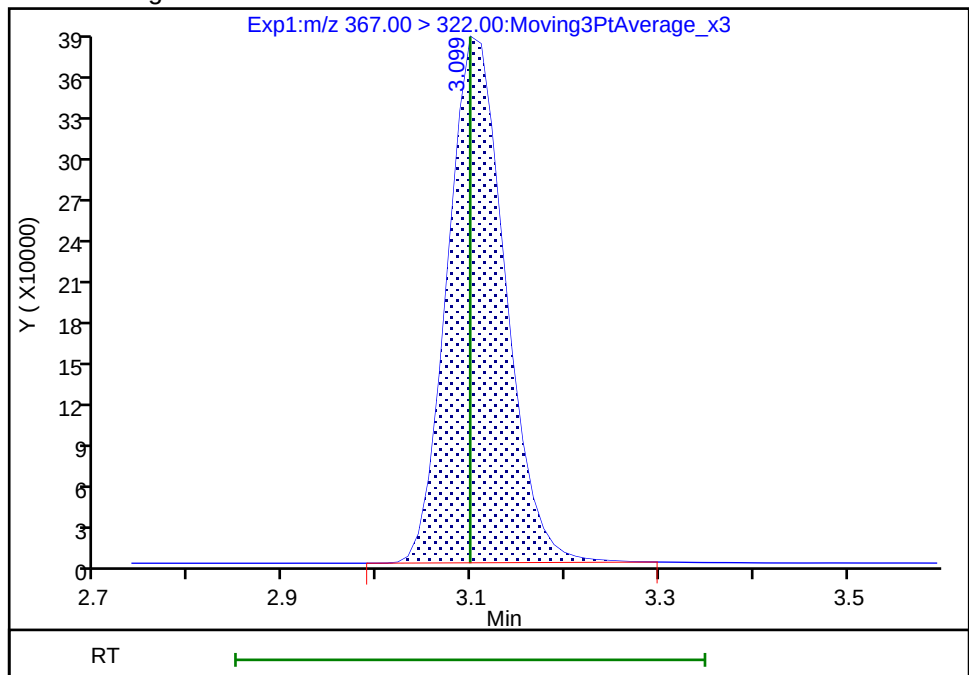
RT: 3.10
Area: 1638876
Amount: 1.117050
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 1633255
Amount: 1.113219
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 09:45:06
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 93 of 1695

08/18/2022

Eurofins Burlington

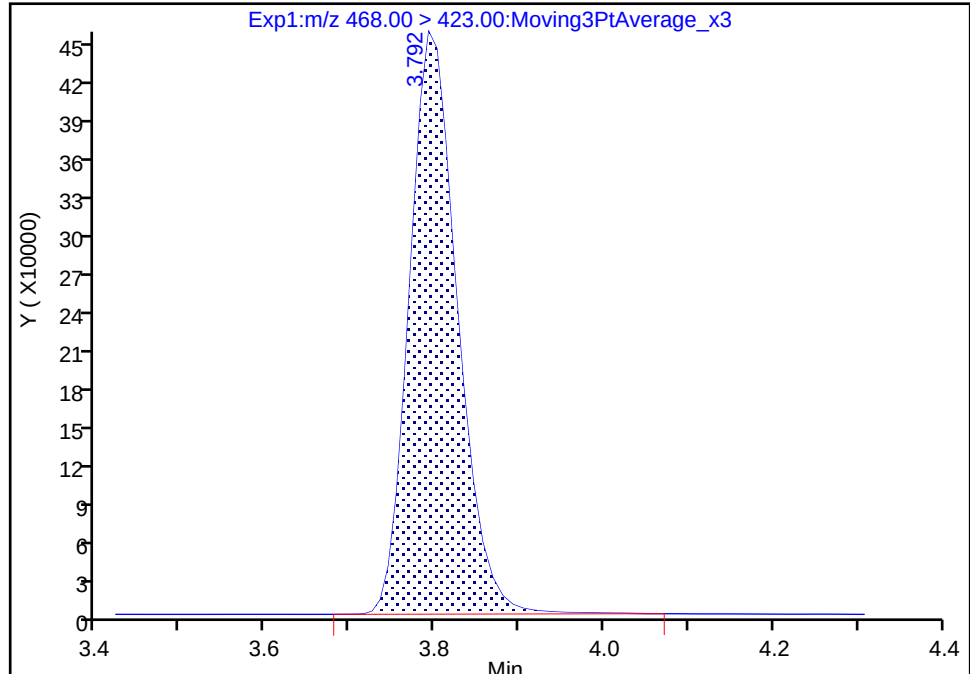
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B04.d		
Injection Date:	11-Aug-2022 18:55:43	Instrument ID:	LC812
Lims ID:	460-263208-A-1-A	Lab Sample ID:	200-263208-1
Client ID:	BCS-09-32 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	4
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	4

D 19 13C5 PFNA, CAS: STL00995

Signal: 1

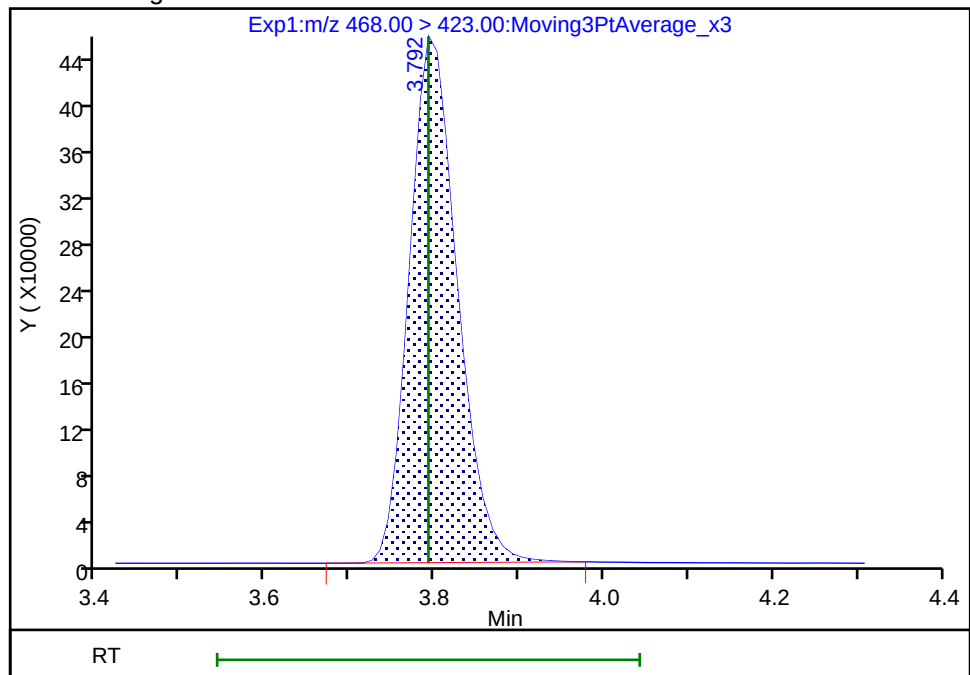
RT: 3.79
Area: 1788843
Amount: 1.146140
Amount Units: ng/ml

Processing Integration Results



RT: 3.79
Area: 1779039
Amount: 1.139858
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 09:45:35
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 94 of 1695

08/18/2022

Eurofins Burlington

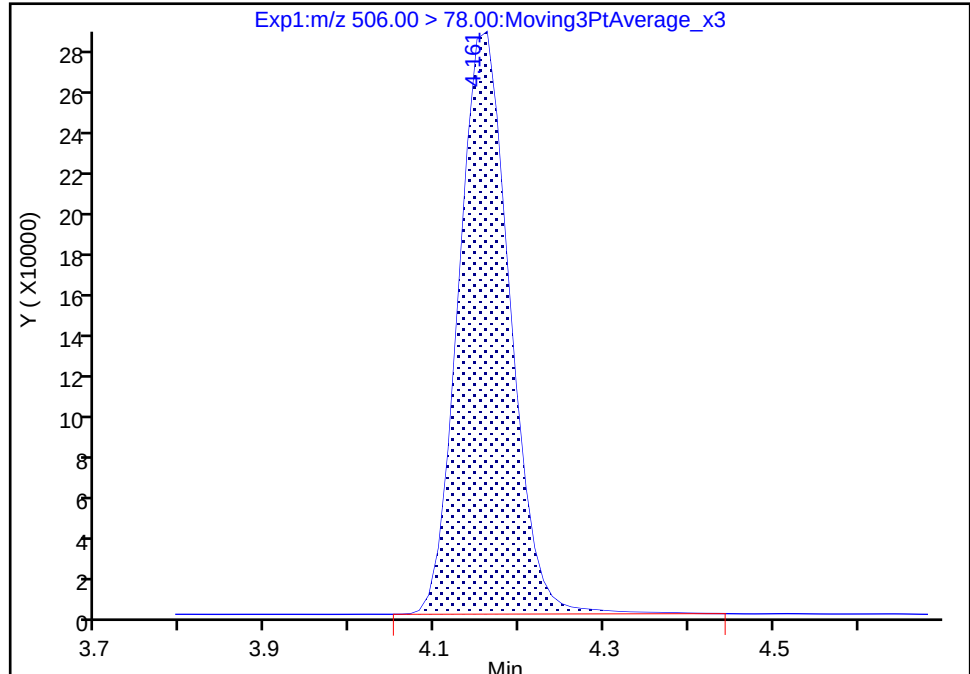
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B04.d		
Injection Date:	11-Aug-2022 18:55:43	Instrument ID:	LC812
Lims ID:	460-263208-A-1-A	Lab Sample ID:	200-263208-1
Client ID:	BCS-09-32 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	4
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	4

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

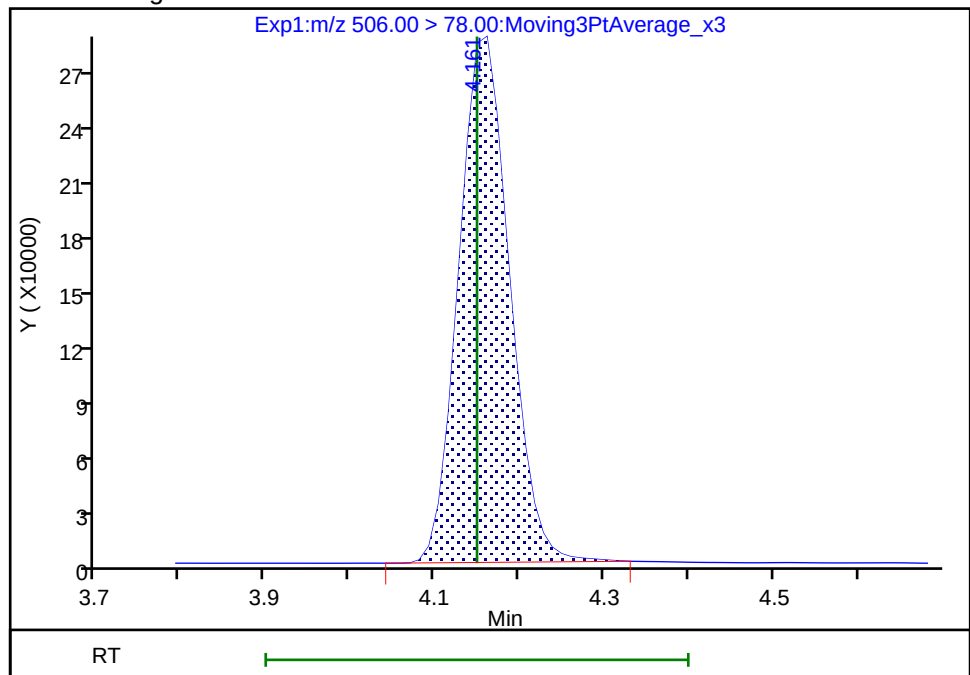
RT: 4.16
Area: 1178935
Amount: 0.886785
Amount Units: ng/ml

Processing Integration Results



RT: 4.16
Area: 1169610
Amount: 0.879770
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 09:45:43
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 95 of 1695

08/18/2022

Eurofins Burlington

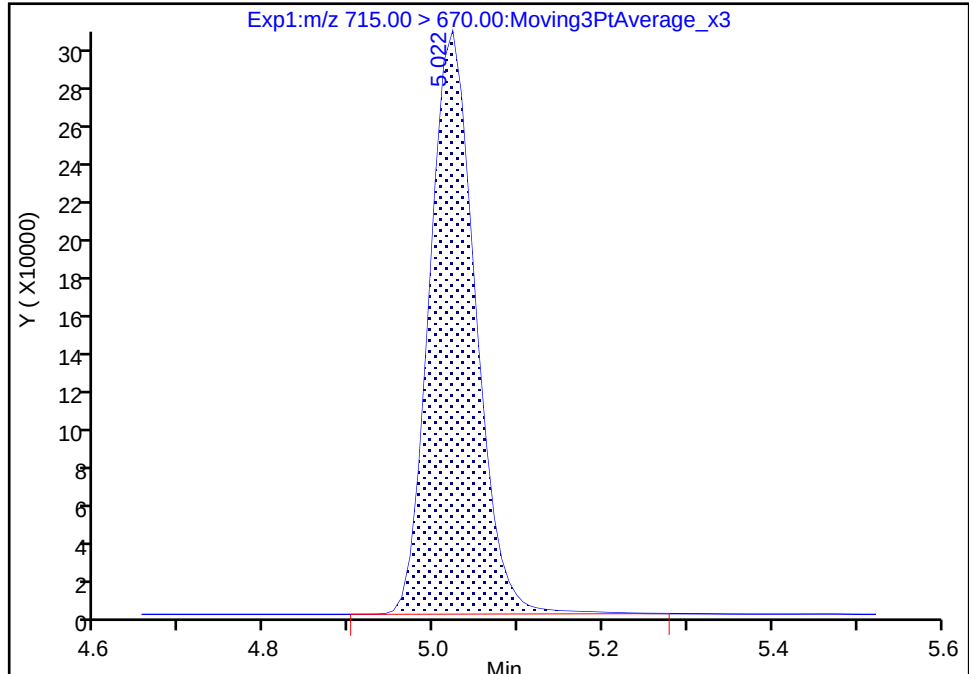
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B04.d		
Injection Date:	11-Aug-2022 18:55:43	Instrument ID:	LC812
Lims ID:	460-263208-A-1-A	Lab Sample ID:	200-263208-1
Client ID:	BCS-09-32 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	4
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	4

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

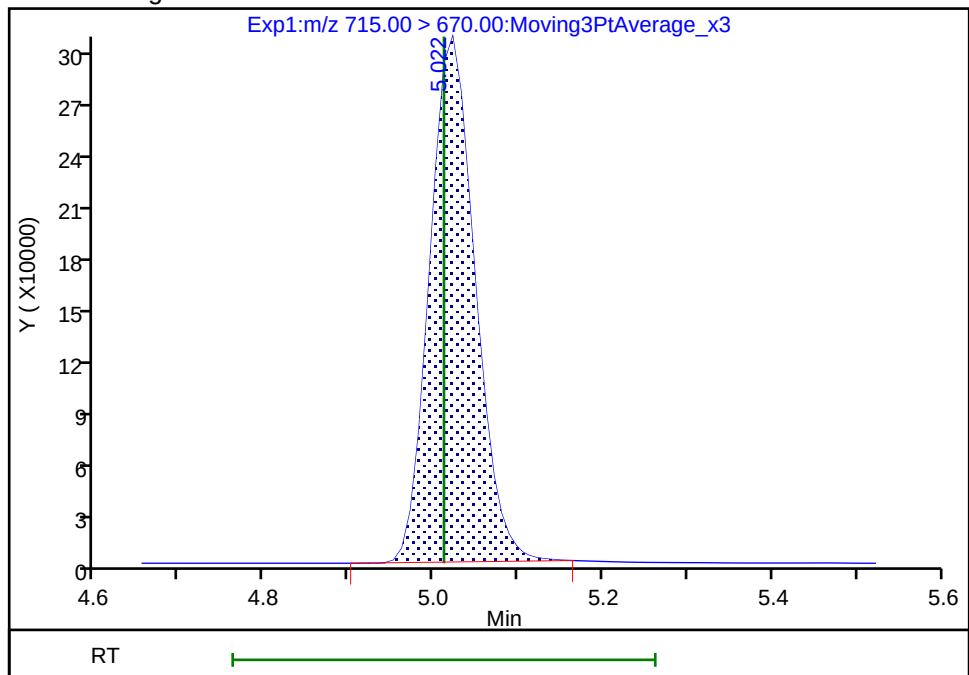
RT: 5.02
Area: 1145132
Amount: 1.174588
Amount Units: ng/ml

Processing Integration Results



RT: 5.02
Area: 1131579
Amount: 1.160686
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 09:46:08
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 96 of 1695

08/18/2022

Eurofins Burlington

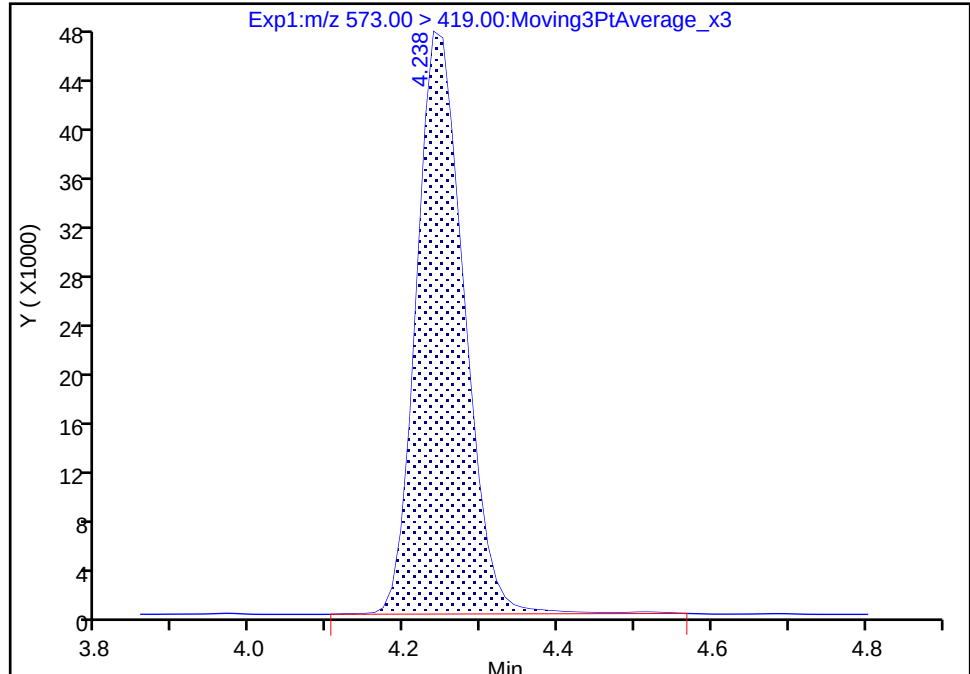
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B04.d		
Injection Date:	11-Aug-2022 18:55:43	Instrument ID:	LC812
Lims ID:	460-263208-A-1-A	Lab Sample ID:	200-263208-1
Client ID:	BCS-09-32 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	4
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	4

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

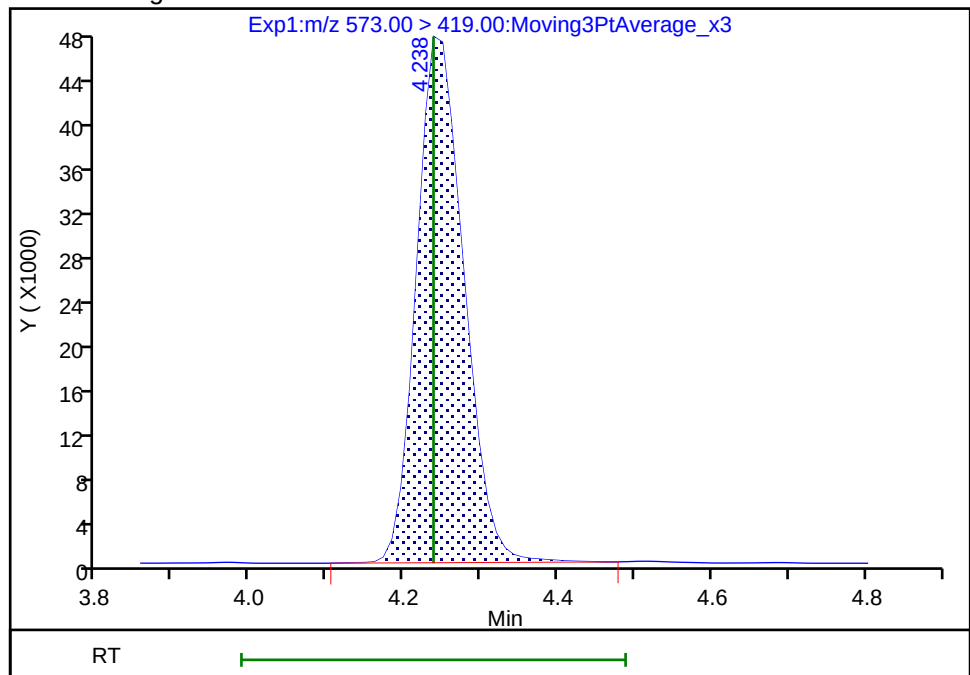
RT: 4.24
Area: 201676
Amount: 0.990592
Amount Units: ng/ml

Processing Integration Results



RT: 4.24
Area: 200630
Amount: 0.985454
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:23:36
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 97 of 1695

08/18/2022

Eurofins Burlington

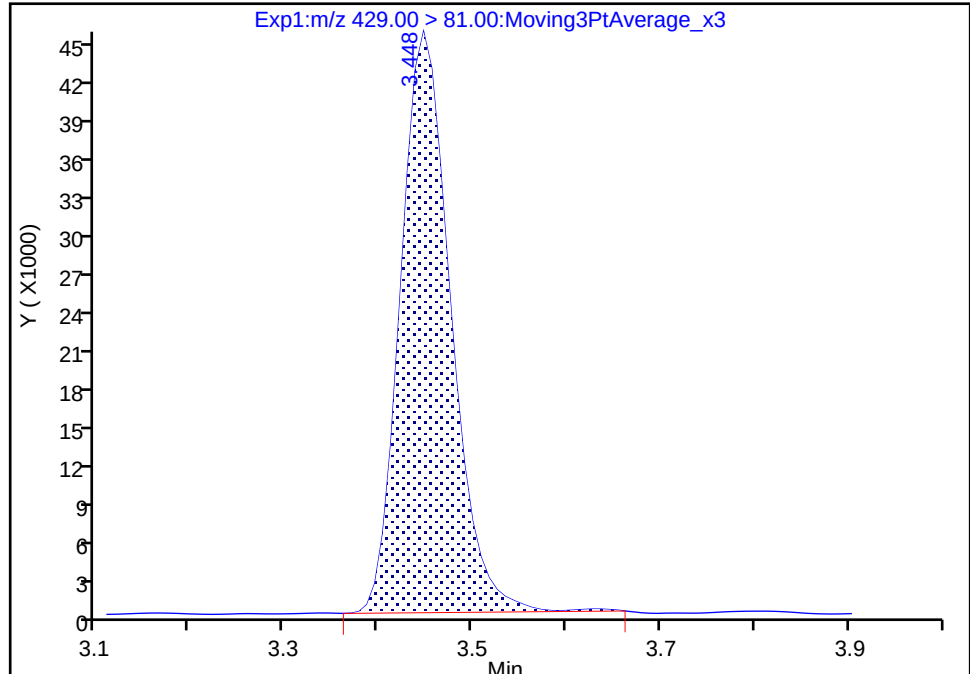
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B04.d		
Injection Date:	11-Aug-2022 18:55:43	Instrument ID:	LC812
Lims ID:	460-263208-A-1-A	Lab Sample ID:	200-263208-1
Client ID:	BCS-09-32 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	4
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	4

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

Signal: 1

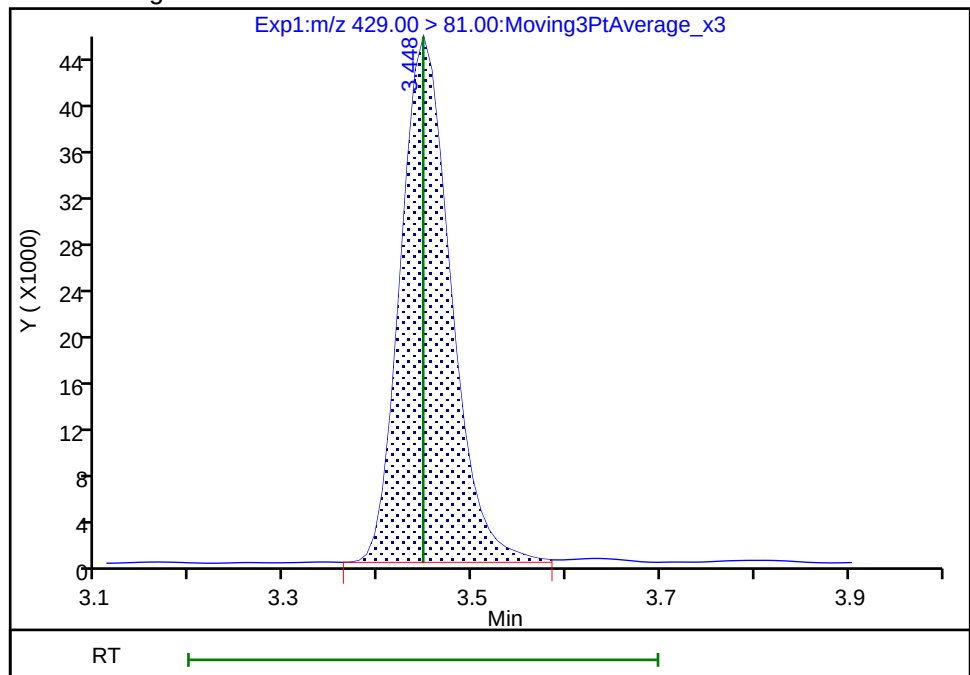
RT: 3.45
Area: 167490
Amount: 0.867962
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 167878
Amount: 0.869973
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:23:24
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 98 of 1695

08/18/2022

Eurofins Burlington

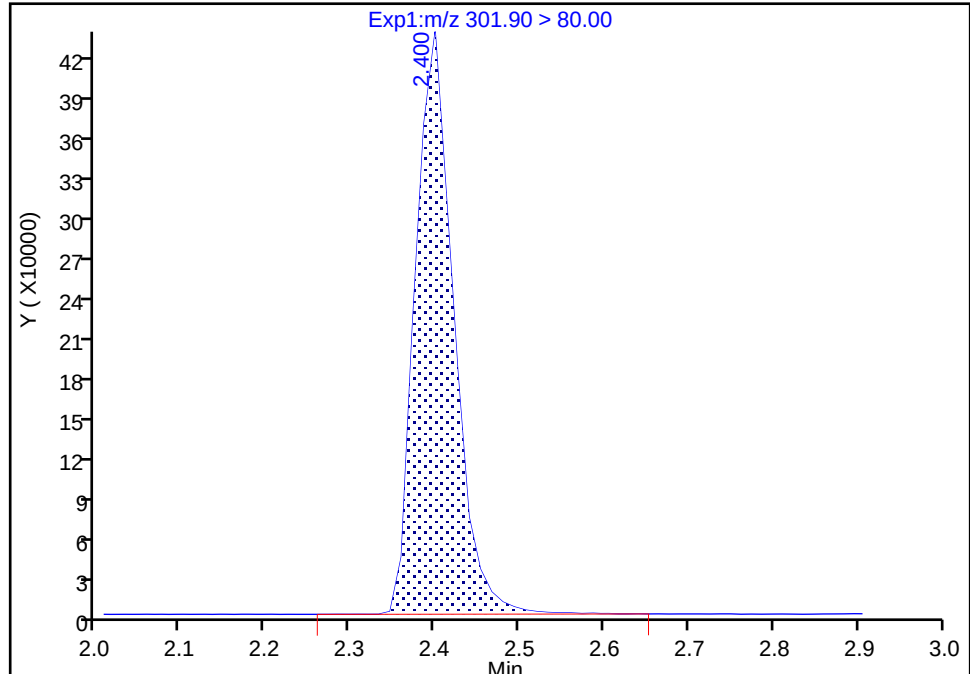
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B04.d		
Injection Date:	11-Aug-2022 18:55:43	Instrument ID:	LC812
Lims ID:	460-263208-A-1-A	Lab Sample ID:	200-263208-1
Client ID:	BCS-09-32 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	4
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	4

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

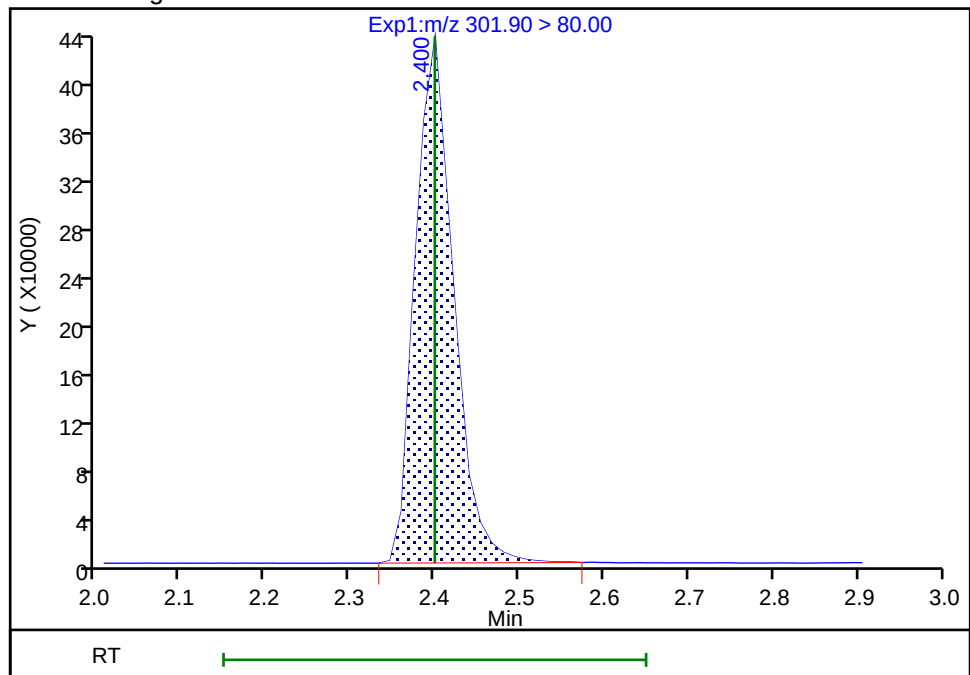
RT: 2.40
Area: 1350082
Amount: 0.823573
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 1346296
Amount: 0.821263
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:23:14
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 99 of 1695

08/18/2022

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-263208-1

SDG No.: _____

Client Sample ID: BCS-09-33 (5-5.5)P Lab Sample ID: 460-263208-2

Matrix: Solid Lab File ID: PA220811B05.d

Analysis Method: 537 (modified) Date Collected: 08/03/2022 13:25

Extraction Method: SHAKE Date Extracted: 08/10/2022 17:30

Sample wt/vol: 5.10(g) Date Analyzed: 08/11/2022 19:03

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

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

% Moisture: 13.3 % Solids: 86.7 GPC Cleanup: (Y/N) N

Cleanup Factor: _____

Analysis Batch No.: 182595 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	0.57	U	0.57	0.37
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.23	U	0.23	0.062
307-24-4	Perfluorohexanoic acid (PFHxA)	0.23	U	0.23	0.052
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.23	U	0.23	0.044
335-67-1	Perfluorooctanoic acid (PFOA)	0.23	U	0.23	0.066
375-95-1	Perfluorononanoic acid (PFNA)	0.23	U	0.23	0.038
335-76-2	Perfluorodecanoic acid (PFDA)	0.23	U	0.23	0.032
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.23	U	0.23	0.031
307-55-1	Perfluorododecanoic acid (PFDoA)	0.23	U	0.23	0.028
72629-94-8	Perfluorotridecanoic acid (PFTriA)	0.23	U	0.23	0.028
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.23	U	0.23	0.029
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.23	U	0.23	0.037
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.23	U	0.23	0.046
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	0.23	U	0.23	0.026
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.23	U	0.23	0.12
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.23	U	0.23	0.021
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.23	U	0.23	0.038
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.26	U	2.26	0.12
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.26	U	2.26	0.094
27619-97-2	6:2 FTS	2.26	U	2.26	0.064
39108-34-4	8:2 FTS	2.26	U	2.26	0.042

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-263208-1
 SDG No.: _____
 Client Sample ID: BCS-09-33 (5-5.5)P Lab Sample ID: 460-263208-2
 Matrix: Solid Lab File ID: PA220811B05.d
 Analysis Method: 537 (modified) Date Collected: 08/03/2022 13:25
 Extraction Method: SHAKE Date Extracted: 08/10/2022 17:30
 Sample wt/vol: 5.10(g) Date Analyzed: 08/11/2022 19:03
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 20(uL) GC Column: C-18 ID: 4.6 (mm)
 % Moisture: 13.3 % Solids: 86.7 GPC Cleanup: (Y/N) N
 Cleanup Factor: _____
 Analysis Batch No.: 182595 Units: ug/Kg

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	81		50-150
STL01892	13C4 PFHpA	95		50-150
STL00990	13C4 PFOA	94		50-150
STL00991	13C4 PFOS	83		50-150
STL00995	13C5 PFNA	96		50-150
STL00992	13C4 PFBA	91		50-150
STL00993	13C2 PFHxA	95		50-150
STL00996	13C2 PFDA	97		50-150
STL00997	13C2 PFUnA	89		50-150
STL00998	13C2 PFDoA	93		50-150
STL01056	13C8 FOSA	75		50-150
STL01893	13C5 PFPeA	91		50-150
STL02116	13C2 PFTeDA	99		50-150
STL02118	d3-NMeFOSAA	88		50-150
STL02117	d5-NEtFOSAA	84		50-150
STL02279	M2-6:2 FTS	82		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\20220811-52043.b\PA220811B05.d
 Lims ID: 460-263208-A-2-A
 Client ID: BCS-09-33 (5-5.5)P
 Sample Type: Client
 Inject. Date: 11-Aug-2022 19:03:54 ALS Bottle#: 5 Worklist Smp#: 5
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: 460-263208-A-2-A
 Misc. Info.: 200-0052043-005 Plate: 1 Rack: 2
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 12-Aug-2022 12:19:48 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: CTX1609

First Level Reviewer: nampitakw

Date: 12-Aug-2022 08:35:15

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	2.077	2.076	0.001	0.601	2059614	1.14		91.0	7950	M
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.077	2.076	0.001	1.000	23637	0.0148			2.6	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.373	2.386	-0.013	0.687	1592463	1.14		91.4	3619	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.387	2.386	0.001	1.006	21475	0.0164			0.8	M
D 47 13C3 PFBS										M
301.90 > 80.00	2.387	2.400	-0.013	0.691	1520418	0.9431		81.1	233554	M
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.400	2.413	-0.013	1.006	3488	0.002416	Target=2.23		4.2	M
298.90 > 99.00	2.400	2.413	-0.013	1.006	1701		2.05(1.11-3.34)		1.2	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.738	2.737	0.001	1.000	28918	0.0210	Target=12.24		6.1	
313.00 > 119.00	2.738	2.737	0.001	1.000	2898		9.98(6.12-18.36)		4.4	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.738	2.737	0.001	0.792	1649540	1.19		94.9	3938	
D 11 18O2 PFHxS										M
403.00 > 84.00	3.099	3.098	0.001	0.897	1084986	0.9569		80.9	1344	M
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.099	3.098	0.001	1.000	9095	0.008987	Target=3.43		21.5	M
399.00 > 99.00	3.099	3.098	0.001	1.000	2612		3.48(1.72-5.15)		3.1	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.099	3.098	0.001	0.897	1711101	1.19		94.9	3407	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.099	3.110	-0.011	1.000	24310	0.0172	Target=3.73		7.8	M
363.00 > 169.00	3.099	3.110	-0.011	1.000	7628		3.19(1.86-5.59)		22.0	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	3.448	3.447	0.001	0.997	184990	0.9748		82.1	477	
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.439	3.447	-0.008	0.997	1025	-0.0123			6.7	M
16 Perfluoroheptanesulfonic acid										RM
449.00 > 80.00	3.448	3.447	0.001	0.914	371	0.000427	Target=4.89	1.3		RM
449.00 > 99.00	3.439	3.447	-0.008	0.911	341		1.09(2.44-7.33)	2.1		M
D 14 13C4 PFOA										
417.00 > 372.00	3.457	3.456	0.001	1.000	1729895	1.17		93.6	1540	M
* 62 13C2 PFOA										
415.00 > 370.00	3.457	3.456	0.001		1940190	1.25			5902	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.457	3.456	0.001	1.000	40477	0.0261	Target=2.67	4.0		M
413.00 > 169.00	3.457	3.456	0.001	1.000	19011		2.13(1.34-4.01)	35.8		M
D 18 13C4 PFOS										
503.00 > 80.00	3.774	3.773	0.001	1.092	840237	0.99		83.0	1847	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.774	3.773	0.001	1.000	10398	-0.003609	Target=4.88	6.2		M
499.00 > 99.00	3.783	3.773	0.010	1.003	4090		2.54(2.44-7.32)	8.2		M
20 Perfluorononanoic acid										RM
463.00 > 419.00	3.802	3.792	0.010	1.003	4855	0.003231	Target=8.23	1.8		RM
463.00 > 169.00	3.793	3.792	0.001	1.000	343		14.15(4.11-12.34)	3.9		M
D 19 13C5 PFNA										
468.00 > 423.00	3.793	3.792	0.001	1.097	1846182	1.20		96.2	2790	M
D 23 13C2 PFDA										
515.00 > 470.00	4.093	4.092	0.001	1.184	1814028	1.21		97.1	3741	
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.104	4.092	0.012	1.003	3483	0.002282	Target=9.67	2.8		M
513.00 > 169.00	4.093	4.092	0.001	1.000	401		8.69(4.83-14.50)	2.9		M
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.093	4.092	0.001	0.997	375	0.002128		5.4		M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.104	4.104	0.0	1.187	218559	0.9572		79.9	638	M
D 21 13C8 FOSA										
506.00 > 78.00	4.150	4.150	0.0	1.201	1220506	0.9335		74.7	2070	
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.162	4.161	0.001	1.003	1605	0.001613		9.6		M
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.238	4.238	0.0	1.226	220800	1.10		88.2	1153	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.207	4.238	-0.031	0.993	331	0.002110		0.7		M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.331	4.330	0.001	1.148	995	0.002429	Target=2.80	5.8		M
599.00 > 99.00	4.331	4.330	0.001	1.148	393		2.53(1.40-4.20)	3.7		M
D 30 13C2 PFUnA										
565.00 > 520.00	4.365	4.364	0.001	1.263	1257246	1.11		88.9	1714	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.376	4.376	0.0	1.266	199368	1.05		84.2	836	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.365	4.376	-0.011	0.997	723	0.004993			4.9	M
D 36 13C2 PFDaA										
615.00 > 570.00	4.602	4.601	0.001	1.331	1369077	1.17		93.4	1678	M
41 Perfluorotridecanoic acid										RM
663.00 > 619.00	4.825	4.813	0.012	1.048	457	0.000475	Target=4.56		0.2	RM
663.00 > 169.00	4.804	4.813	-0.009	1.044	236		1.94(2.28-6.84)		4.4	M
D 43 13C2 PFTeDA										
715.00 > 670.00	5.022	5.012	0.010	1.453	1183083	1.23		98.7	2098	M
42 Perfluorotetradecanoic acid										RM
713.00 > 169.00	5.022	5.012	0.010	1.000	534	0.003522	Target=0.94		5.5	RM
713.00 > 219.00	5.002	5.012	-0.010	0.996	370		1.44(0.47-1.41)		7.6	M

QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B05.d

Injection Date: 11-Aug-2022 19:03:54

Instrument ID: LC812

Lims ID: 460-263208-A-2-A

Lab Sample ID: 200-263208-2

Client ID: BCS-09-33 (5-5.5)P

Operator ID: lc812tech

ALS Bottle#: 5

Worklist Smp#: 5

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

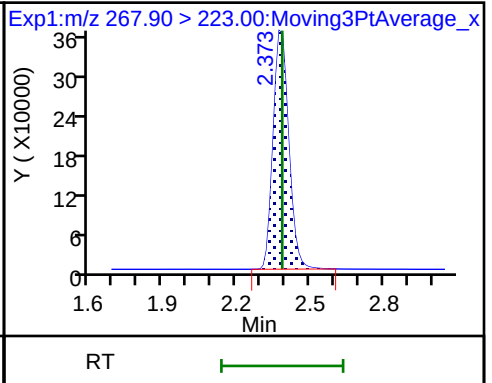
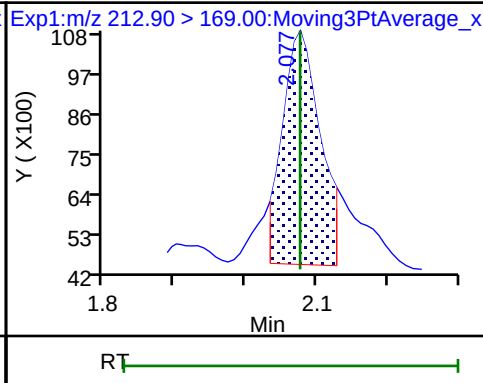
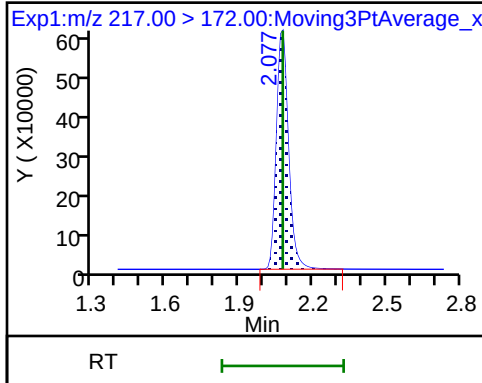
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA (M)

2 Perfluorobutanoic acid (M)

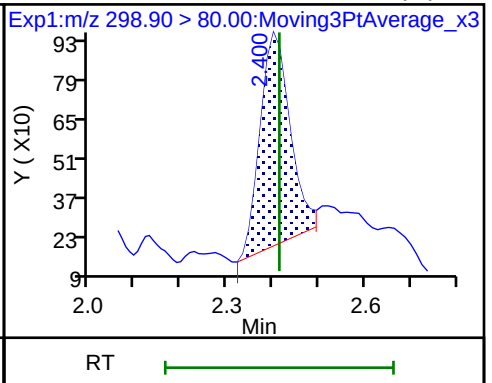
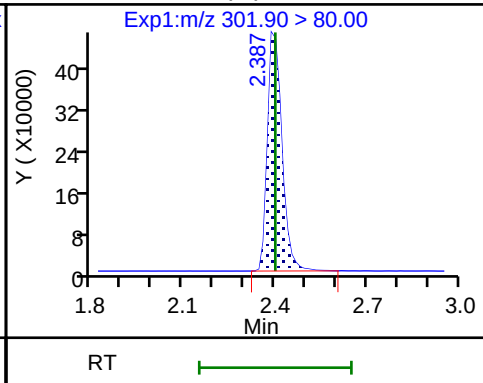
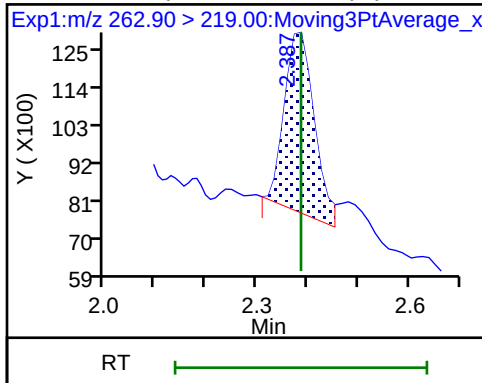
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

D 47 13C3 PFBS (M)

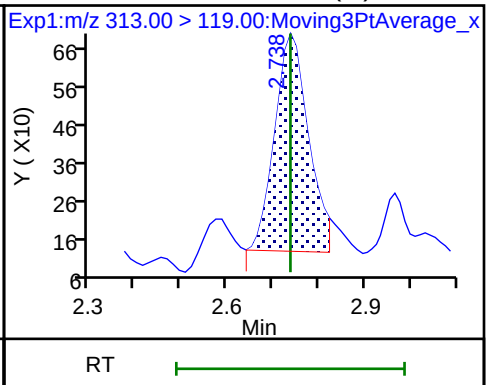
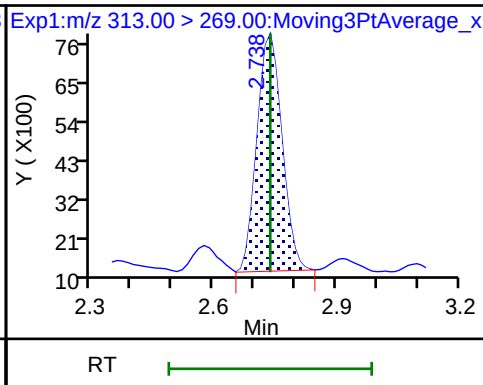
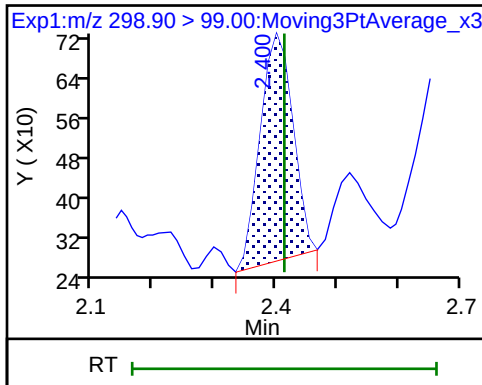
5 Perfluorobutanesulfonic acid (M)



5 Perfluorobutanesulfonic acid

6 Perfluorohexanoic acid

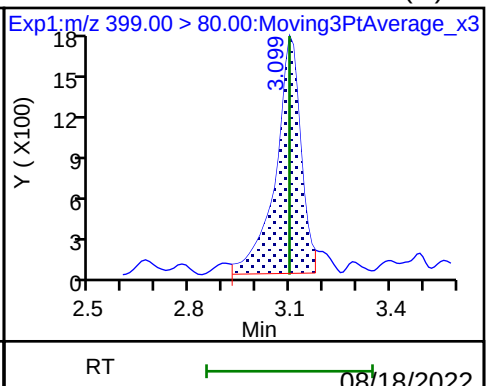
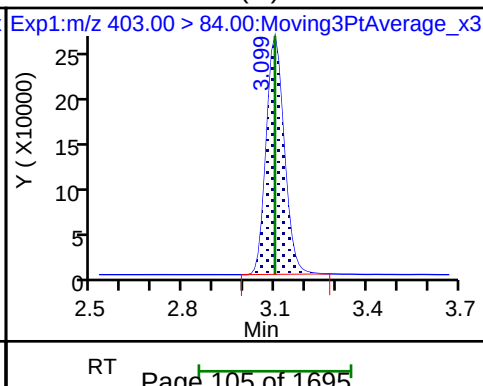
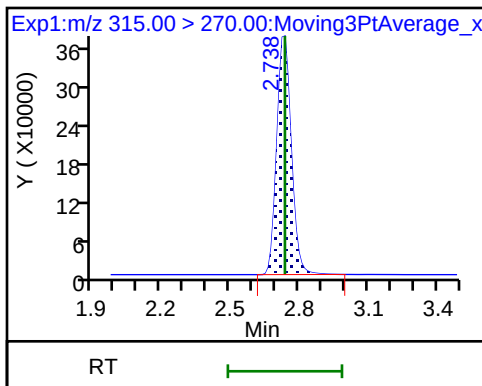
6 Perfluorohexanoic acid (M)

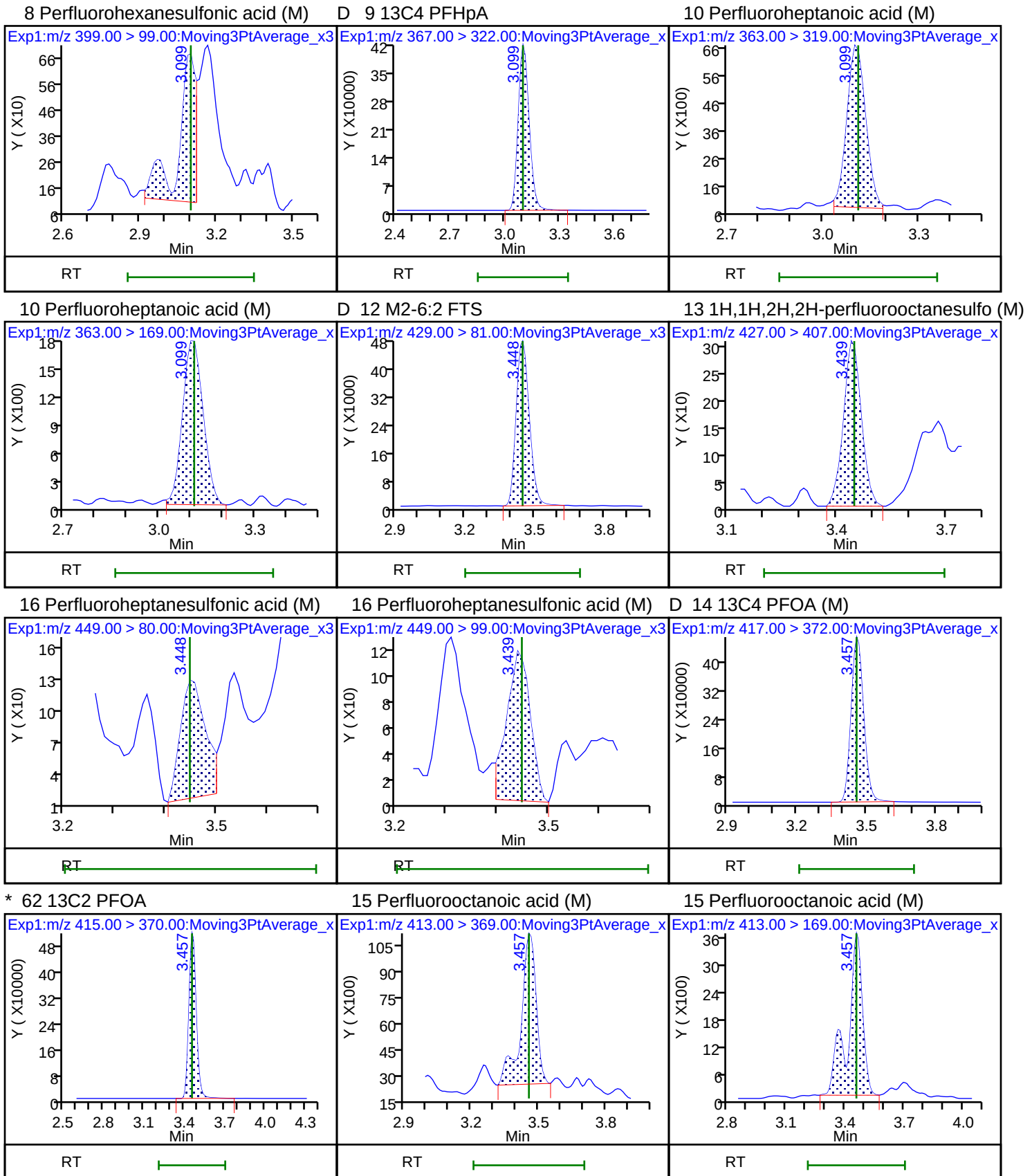


D 7 13C2 PFHxA

D 11 18O2 PFHxS (M)

8 Perfluorohexanesulfonic acid (M)

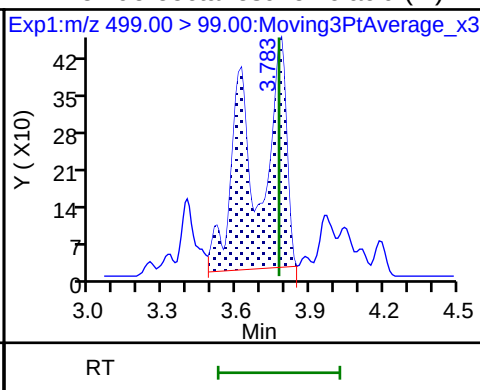
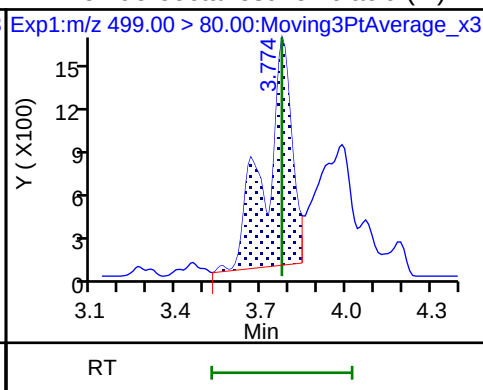
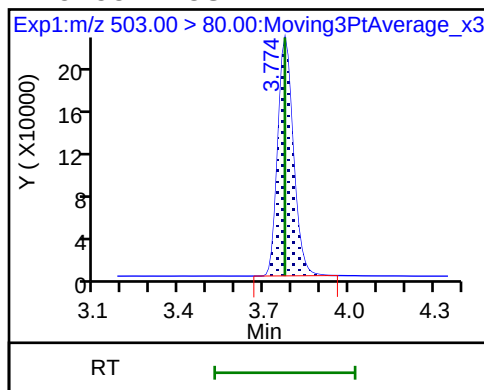




D 18 13C4 PFOS

17 Perfluorooctanesulfonic acid (M)

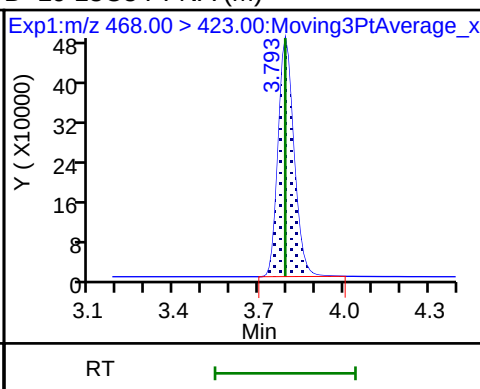
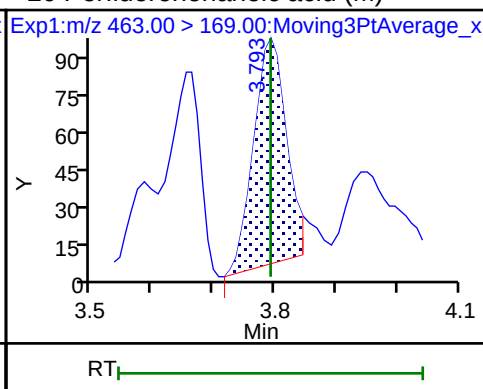
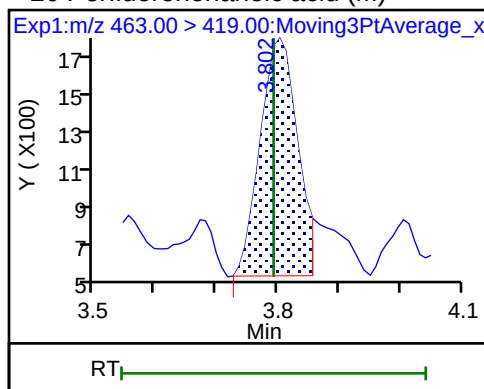
17 Perfluorooctanesulfonic acid (M)



20 Perfluorononanoic acid (M)

20 Perfluorononanoic acid (M)

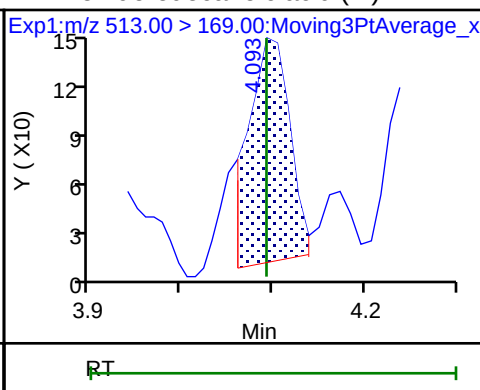
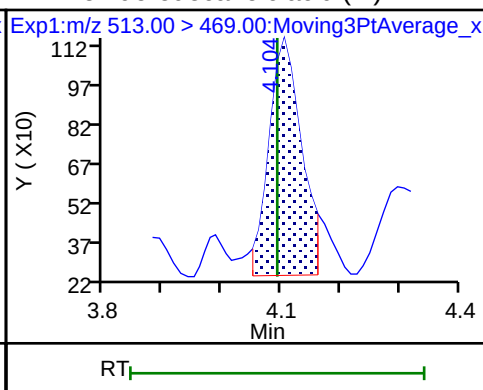
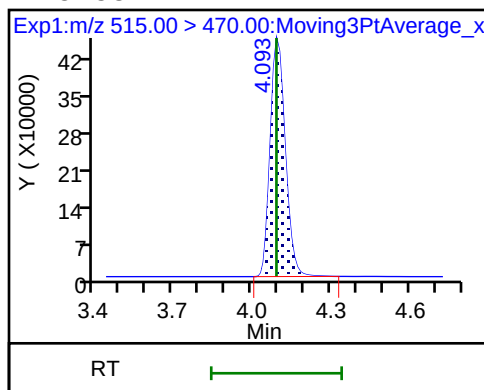
D 19 13C5 PFNA (M)



D 23 13C2 PFDA

24 Perfluorodecanoic acid (M)

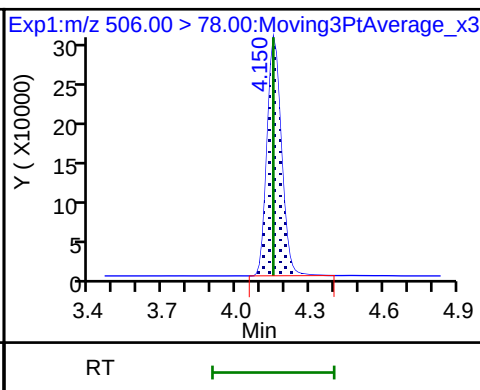
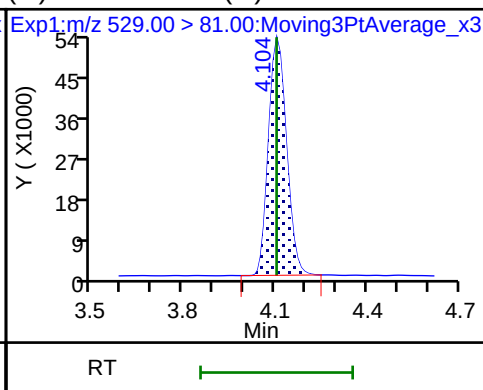
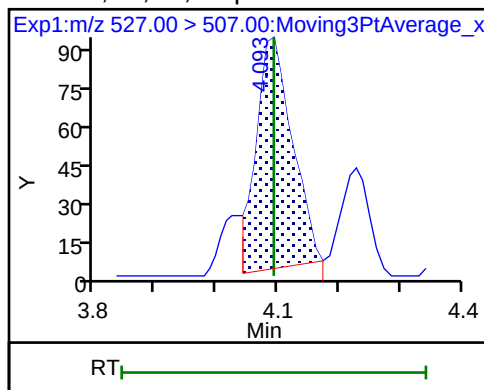
24 Perfluorodecanoic acid (M)

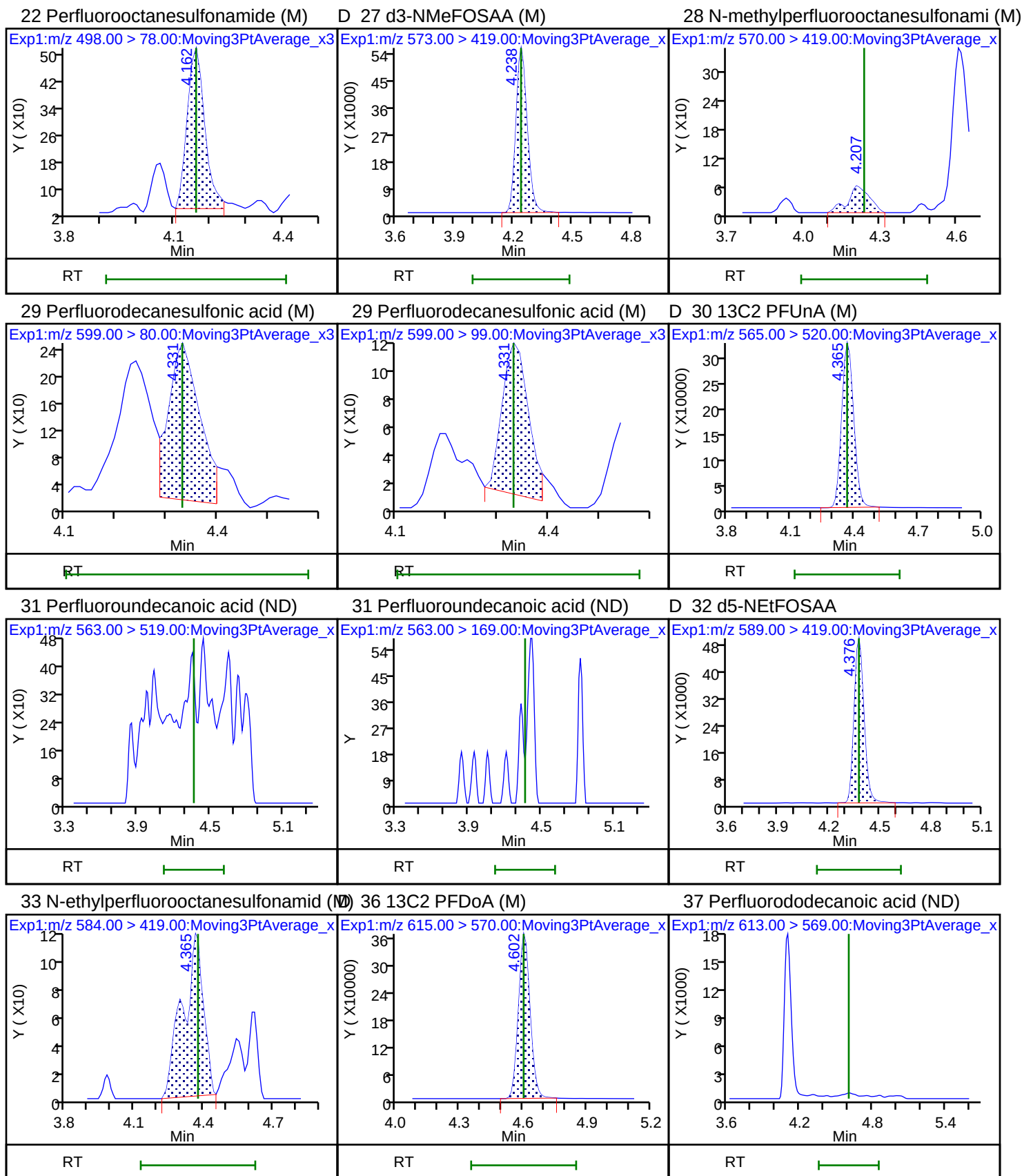


25 1H,1H,2H,2H-perfluorodecanesulfonic acid (M)

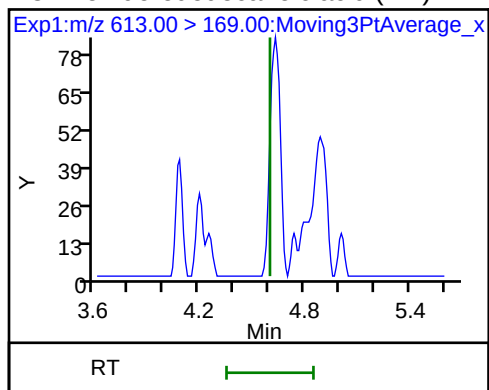
D 26 M2-8:2 FTS (M)

D 21 13C8 FOSA

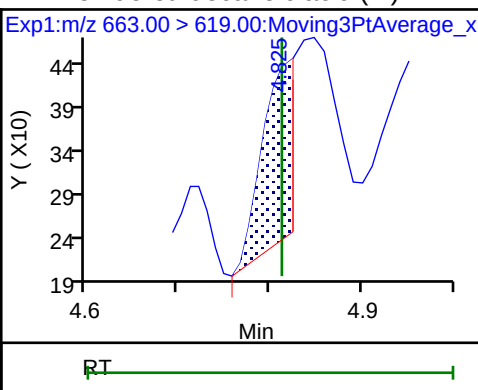




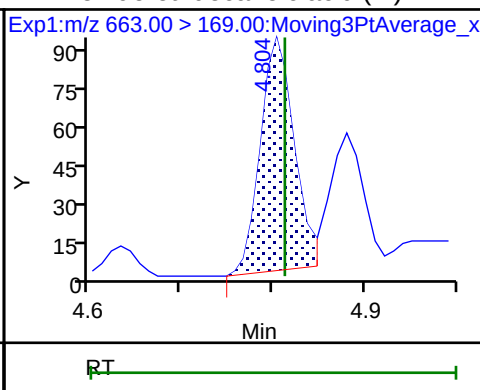
37 Perfluorododecanoic acid (ND)



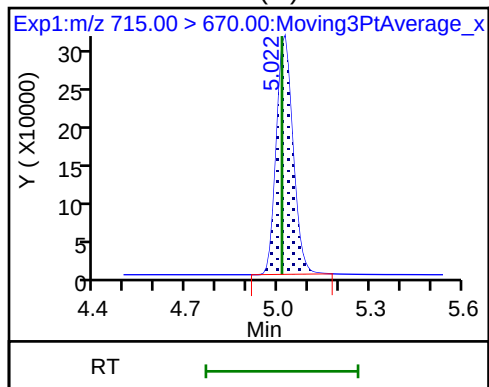
41 Perfluorotridecanoic acid (M)



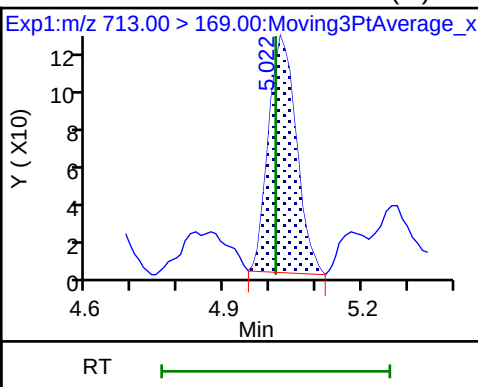
41 Perfluorotridecanoic acid (M)



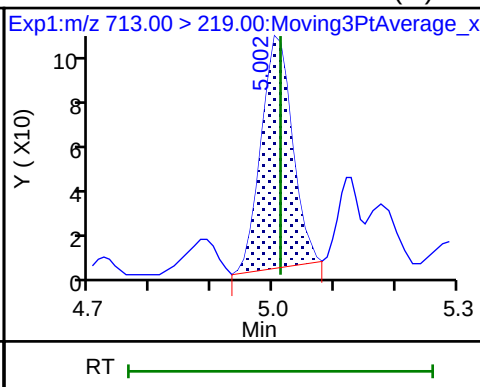
D 43 13C2 PFTeDA (M)



42 Perfluorotetradecanoic acid (M)



42 Perfluorotetradecanoic acid (M)



Eurofins Burlington

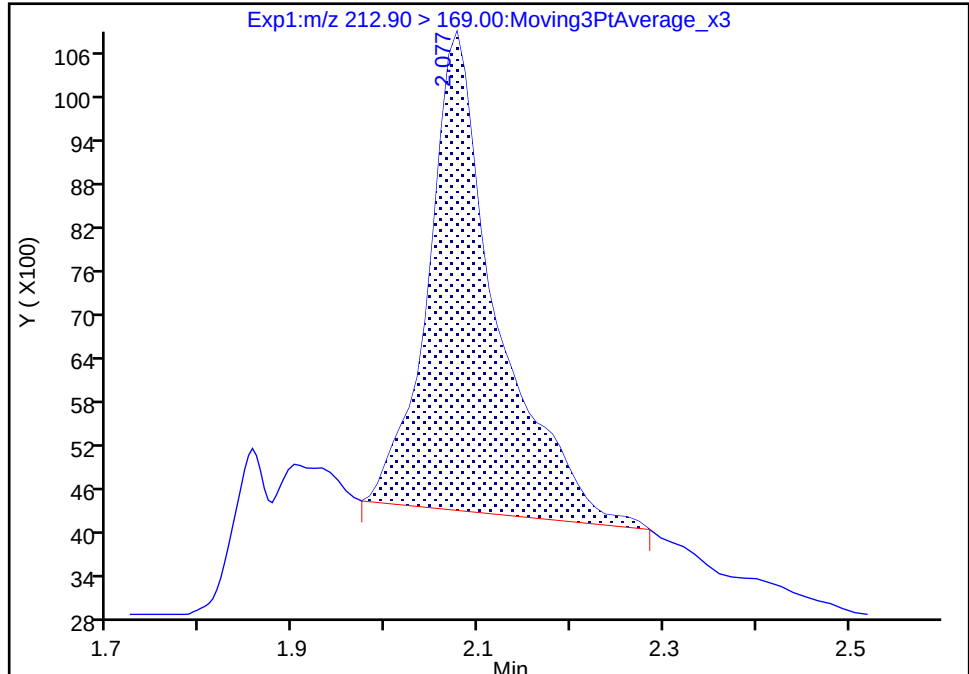
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B05.d		
Injection Date:	11-Aug-2022 19:03:54	Instrument ID:	LC812
Lims ID:	460-263208-A-2-A	Lab Sample ID:	200-263208-2
Client ID:	BCS-09-33 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	5

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

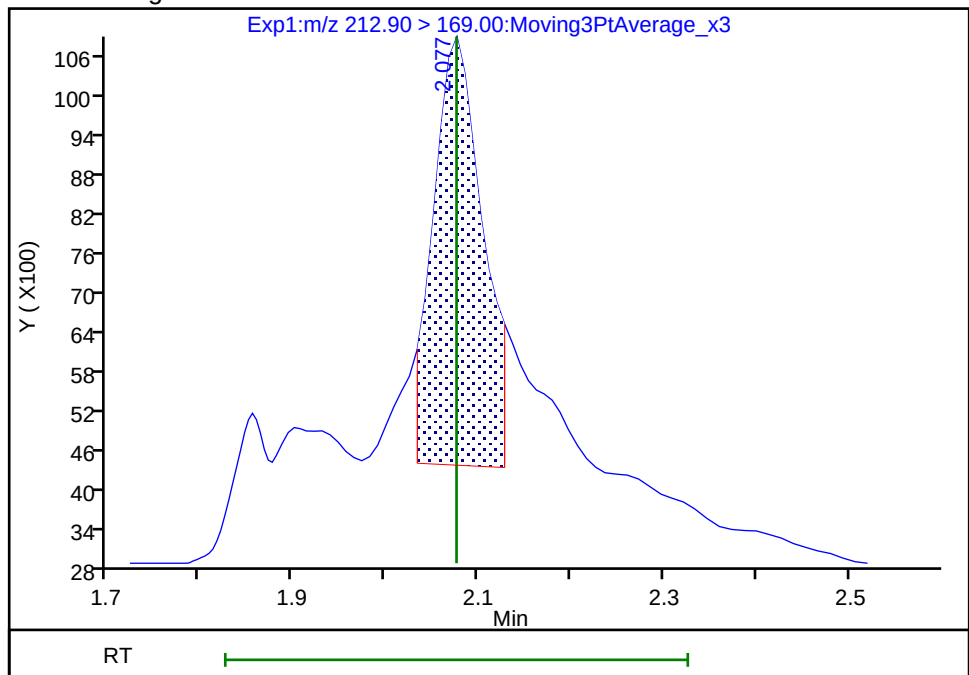
RT: 2.08
Area: 33651
Amount: 0.021001
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 23637
Amount: 0.014794
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:29:35
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

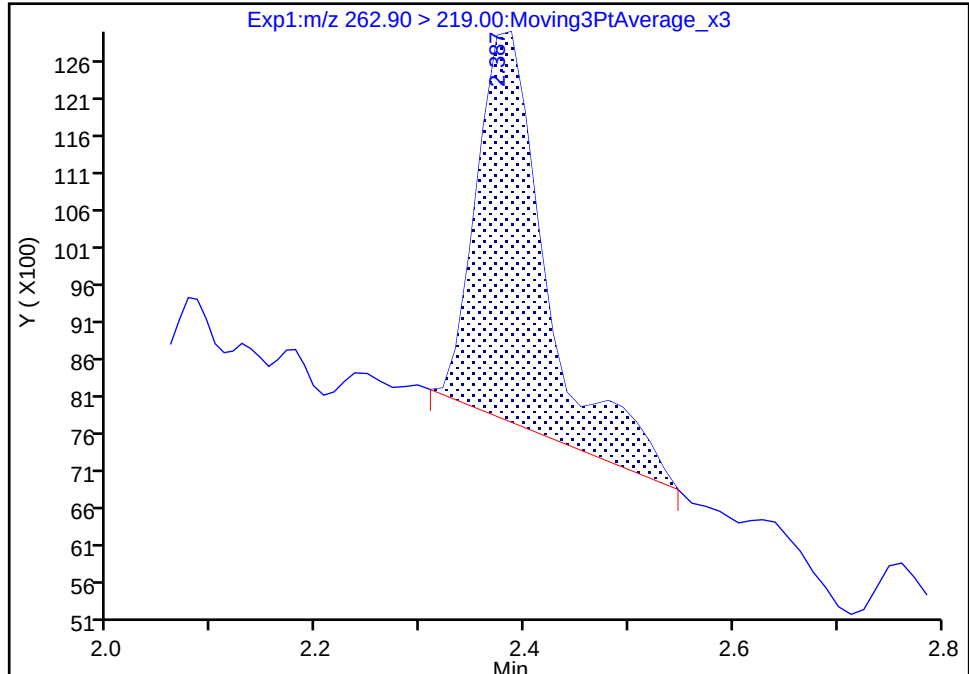
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B05.d		
Injection Date:	11-Aug-2022 19:03:54	Instrument ID:	LC812
Lims ID:	460-263208-A-2-A	Lab Sample ID:	200-263208-2
Client ID:	BCS-09-33 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	5

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

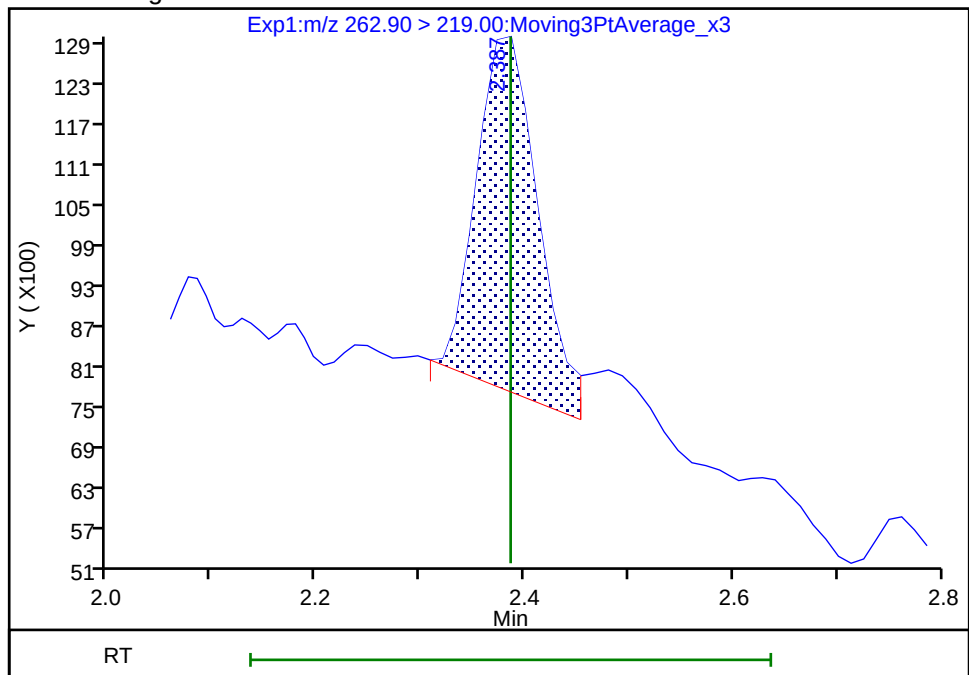
RT: 2.39
Area: 24354
Amount: 0.018543
Amount Units: ng/ml

Processing Integration Results



RT: 2.39
Area: 21475
Amount: 0.016351
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:29:45
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

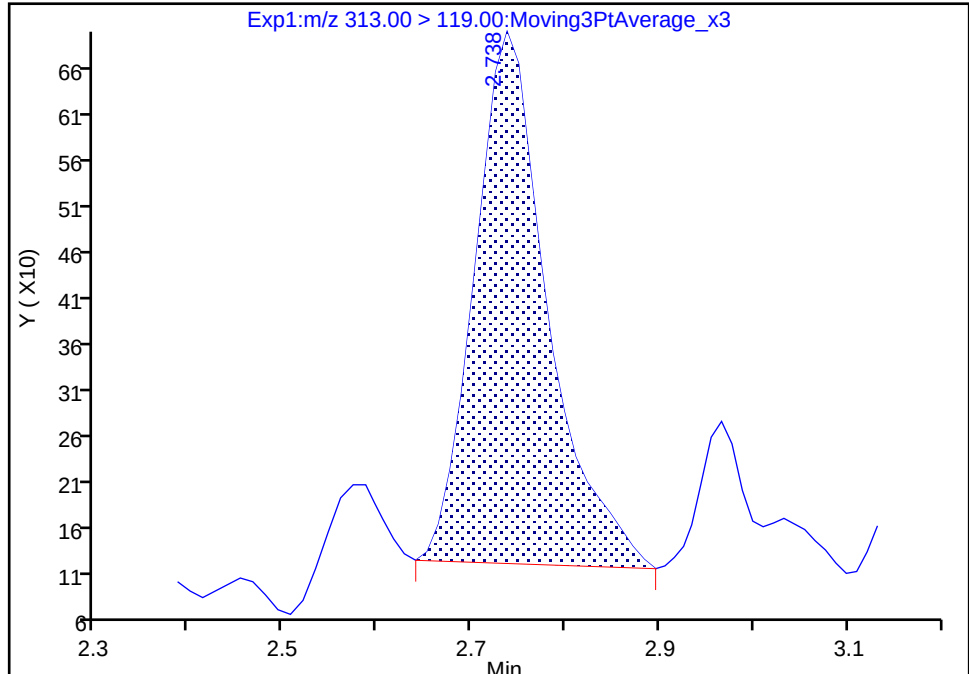
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B05.d		
Injection Date:	11-Aug-2022 19:03:54	Instrument ID:	LC812
Lims ID:	460-263208-A-2-A	Lab Sample ID:	200-263208-2
Client ID:	BCS-09-33 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	5

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

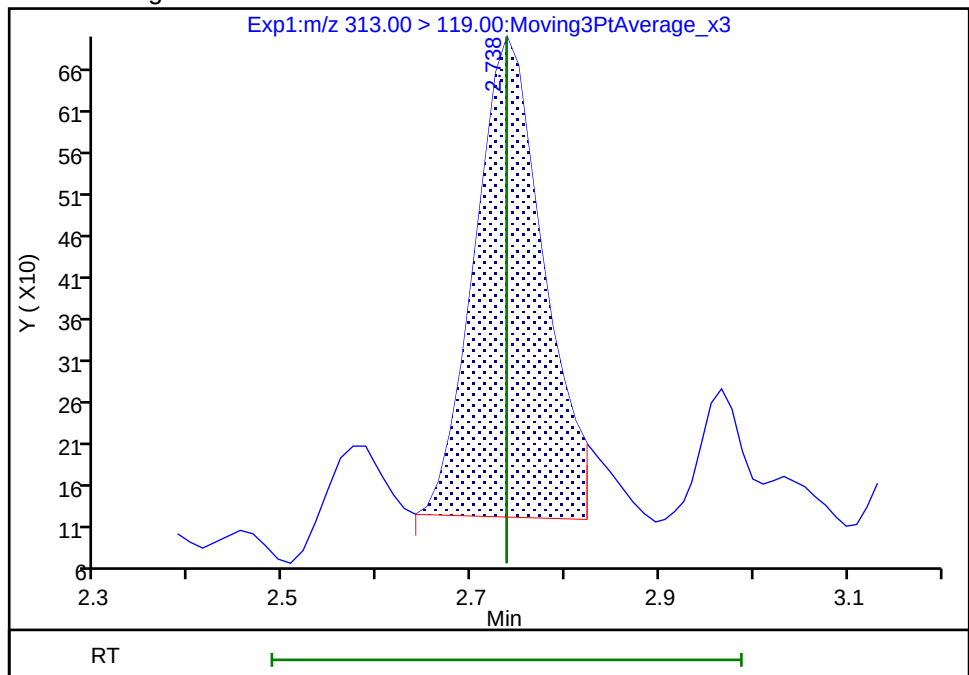
RT: 2.74
Area: 3084
Amount: 0.021001
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 2898
Amount: 0.021001
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:30:03
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

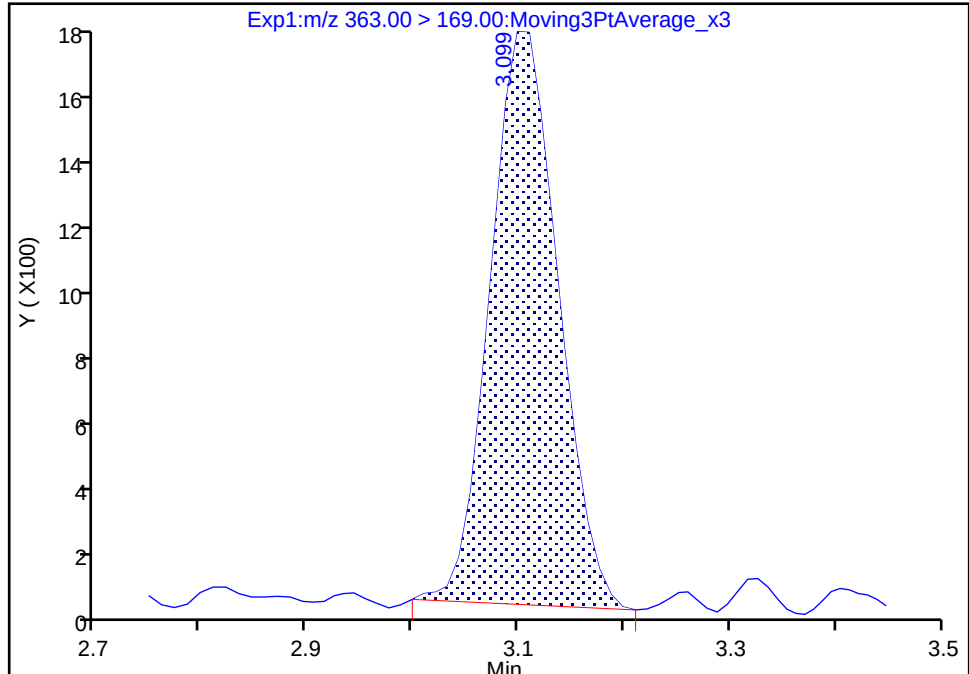
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B05.d		
Injection Date:	11-Aug-2022 19:03:54	Instrument ID:	LC812
Lims ID:	460-263208-A-2-A	Lab Sample ID:	200-263208-2
Client ID:	BCS-09-33 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	5

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

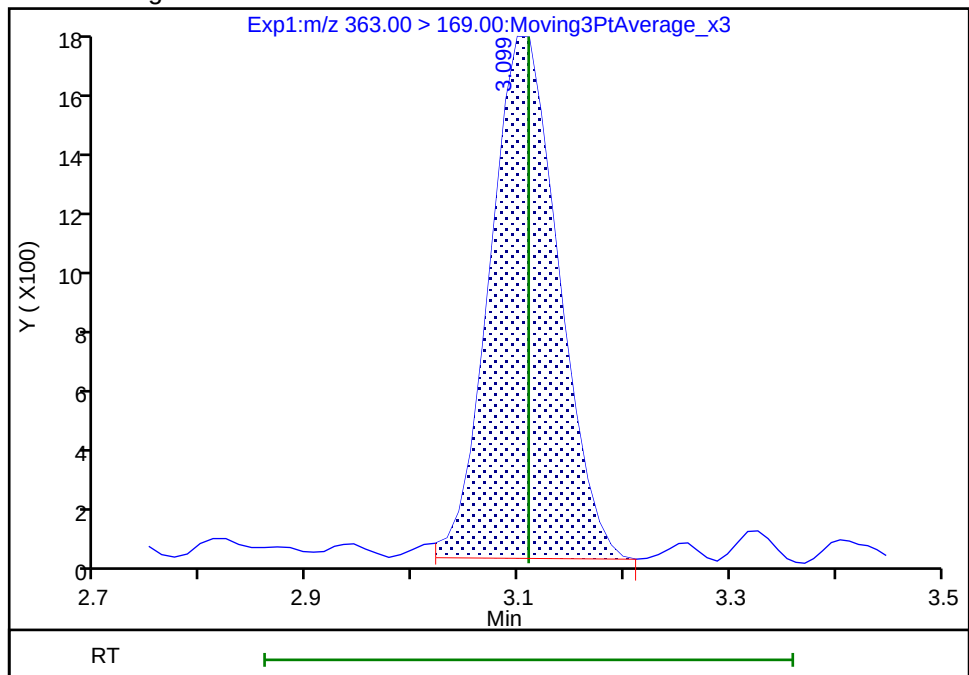
RT: 3.10
Area: 7519
Amount: 0.017731
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 7628
Amount: 0.017232
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:31:13
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

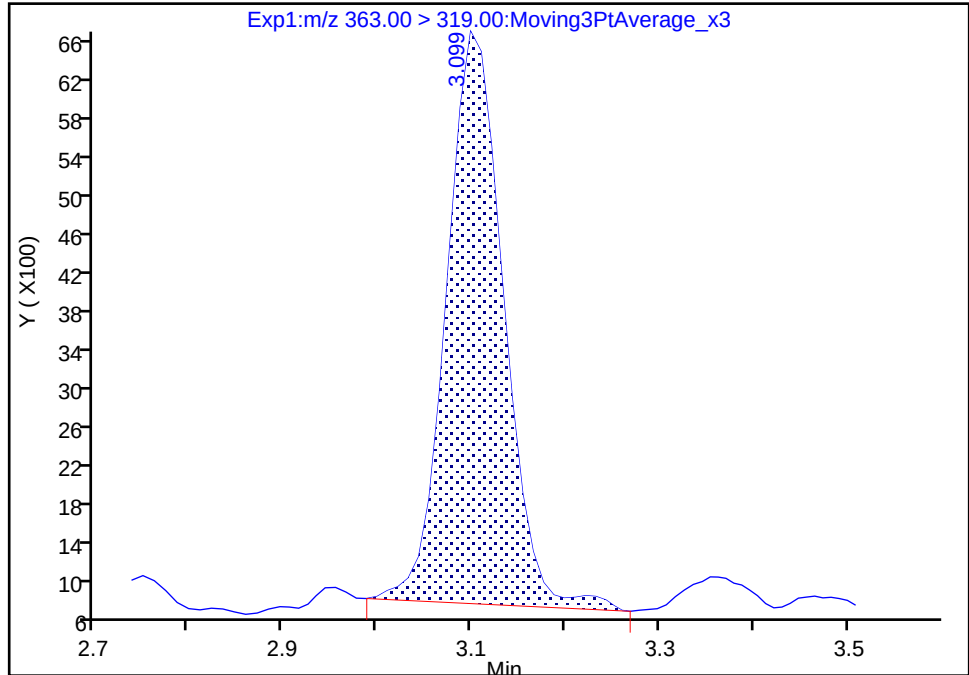
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B05.d
Injection Date: 11-Aug-2022 19:03:54 Instrument ID: LC812
Lims ID: 460-263208-A-2-A Lab Sample ID: 200-263208-2
Client ID: BCS-09-33 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. 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

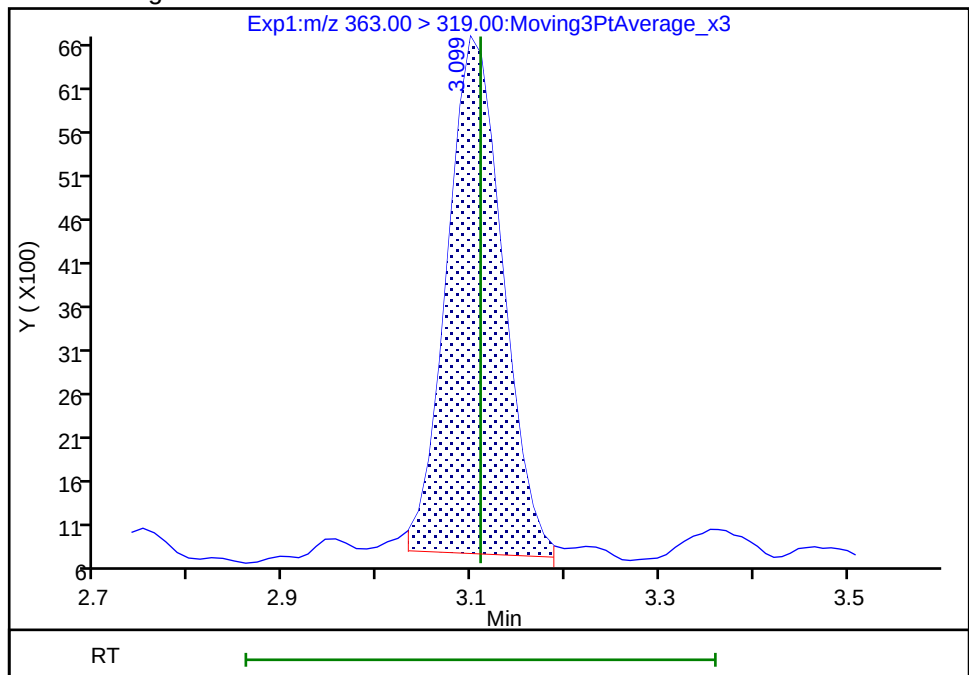
RT: 3.10
Area: 25015
Amount: 0.017731
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 24310
Amount: 0.017232
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 09:47:11

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

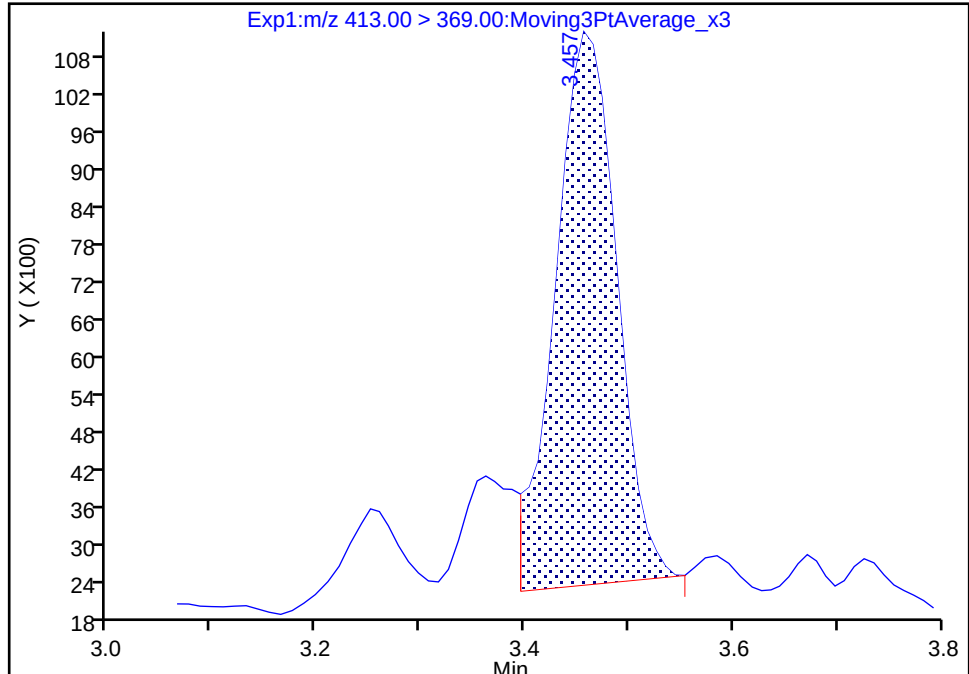
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B05.d		
Injection Date:	11-Aug-2022 19:03:54	Instrument ID:	LC812
Lims ID:	460-263208-A-2-A	Lab Sample ID:	200-263208-2
Client ID:	BCS-09-33 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	5

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

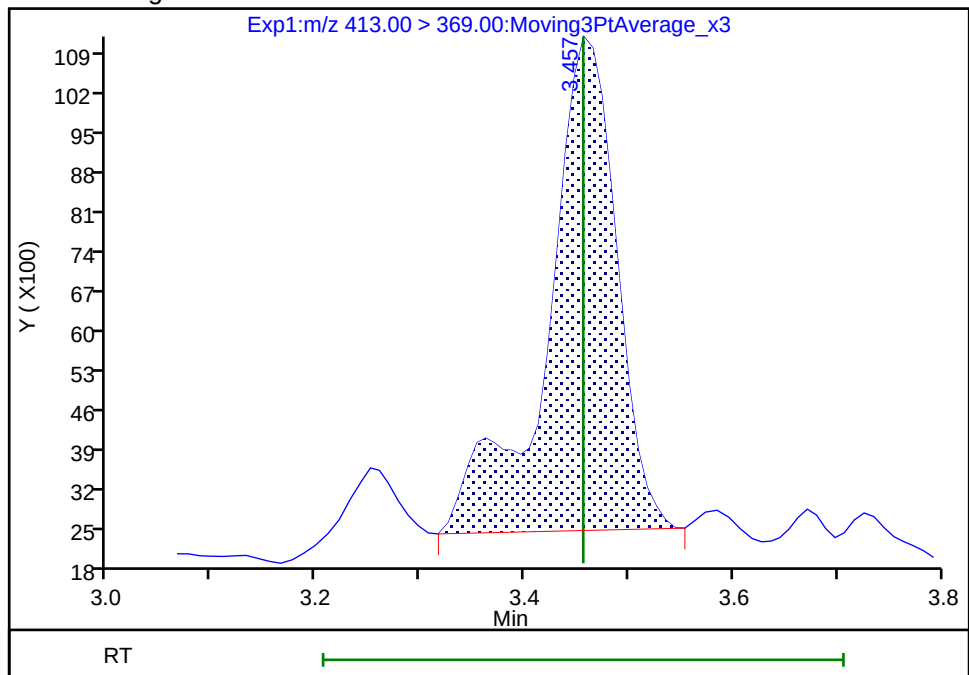
RT: 3.46
Area: 35986
Amount: 0.022950
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 40477
Amount: 0.026082
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:31:49
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

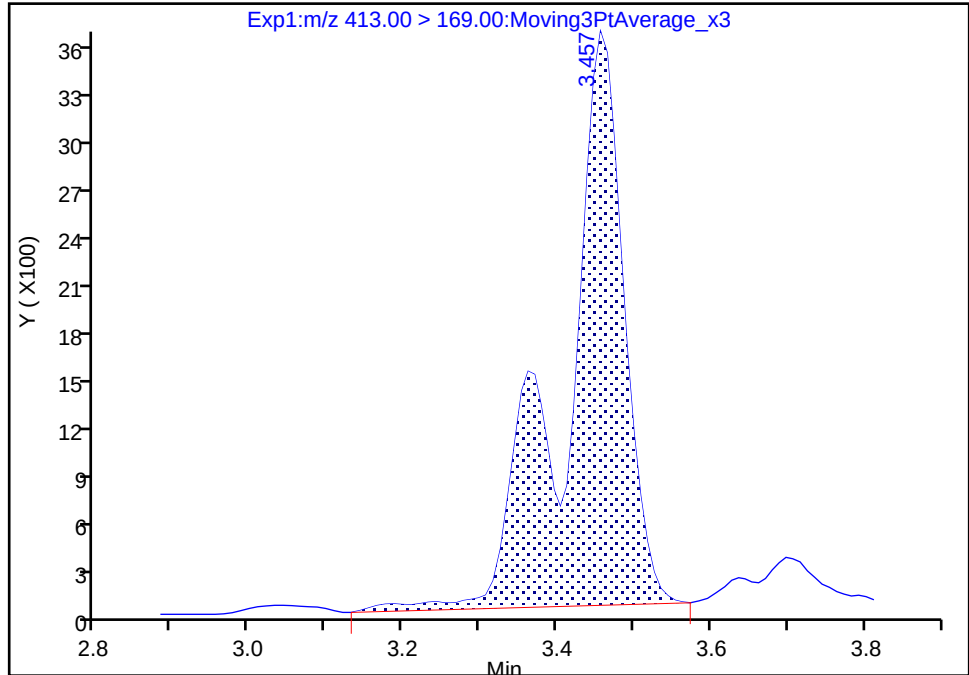
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B05.d
Injection Date: 11-Aug-2022 19:03:54 Instrument ID: LC812
Lims ID: 460-263208-A-2-A Lab Sample ID: 200-263208-2
Client ID: BCS-09-33 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. 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

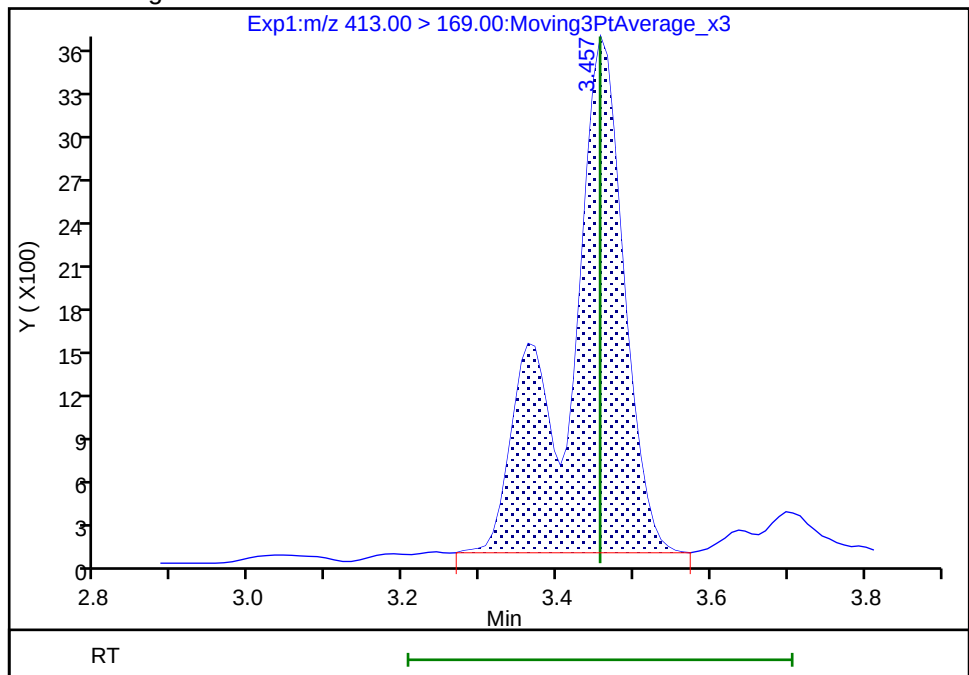
RT: 3.46
Area: 19704
Amount: 0.022950
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 19011
Amount: 0.026082
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:32:20

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

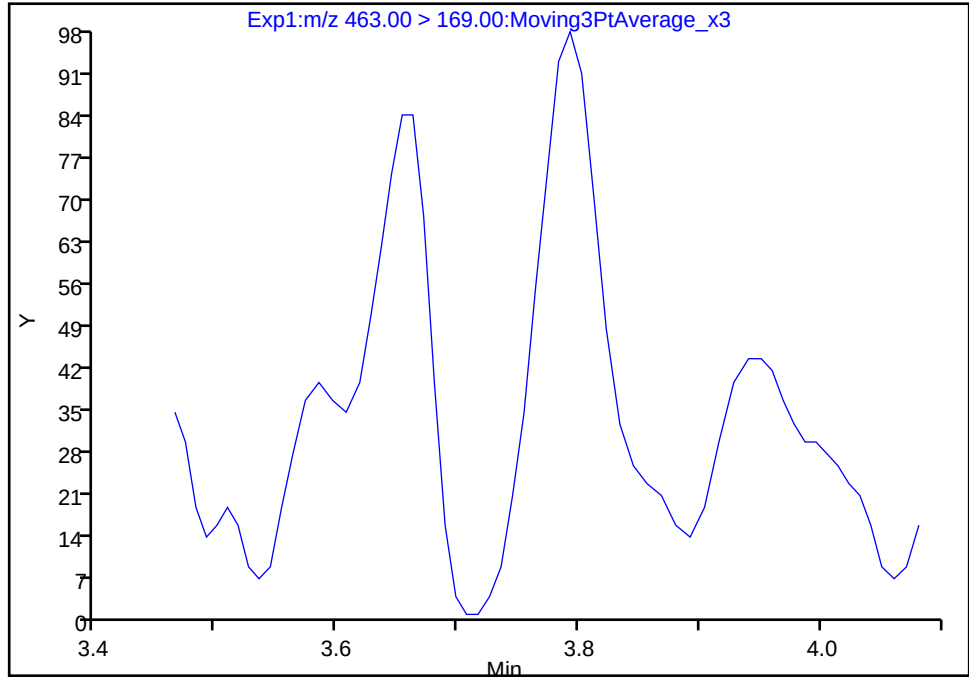
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B05.d		
Injection Date:	11-Aug-2022 19:03:54	Instrument ID:	LC812
Lims ID:	460-263208-A-2-A	Lab Sample ID:	200-263208-2
Client ID:	BCS-09-33 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	5

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

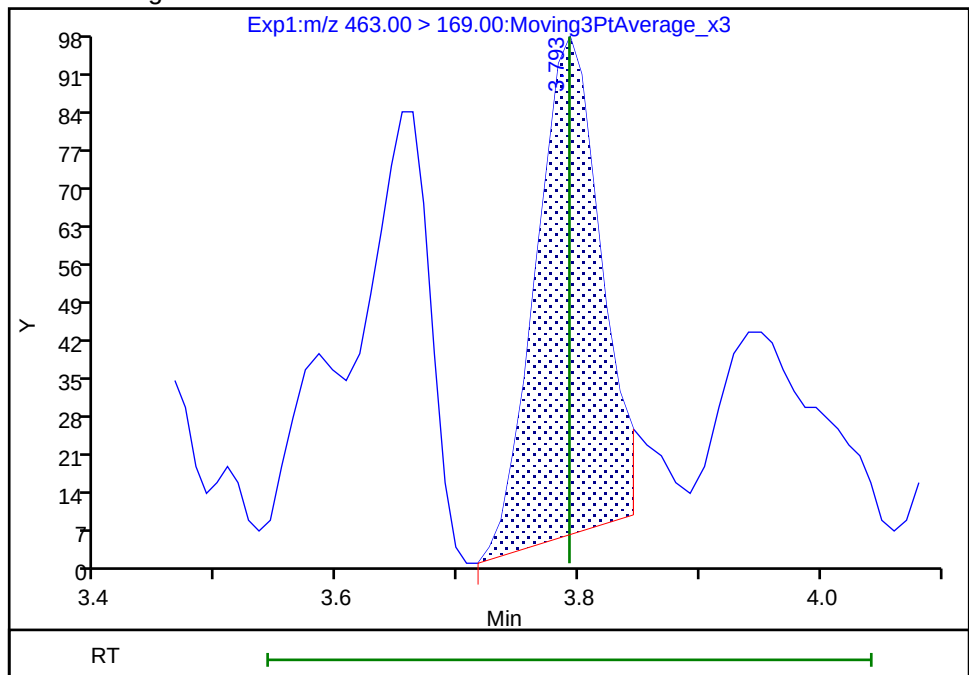
Not Detected
Expected RT: 3.79

Processing Integration Results



Manual Integration Results

RT: 3.79
Area: 343
Amount: 0.003231
Amount Units: ng/ml



Reviewer: nampitakw, 12-Aug-2022 08:32:57

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

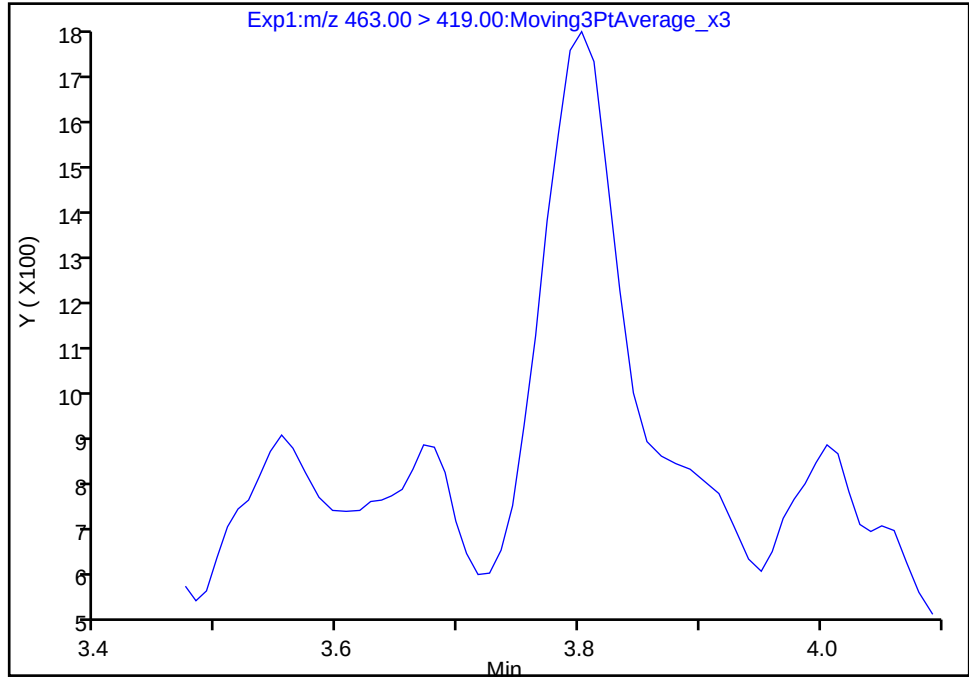
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B05.d
Injection Date: 11-Aug-2022 19:03:54 Instrument ID: LC812
Lims ID: 460-263208-A-2-A Lab Sample ID: 200-263208-2
Client ID: BCS-09-33 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

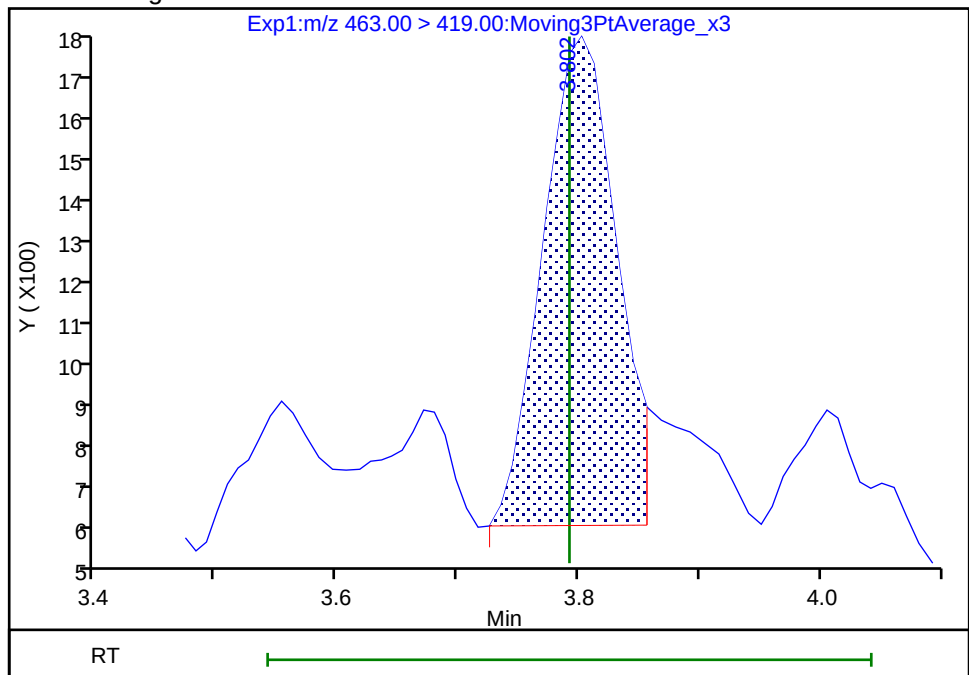
Not Detected
Expected RT: 3.79

Processing Integration Results



Manual Integration Results

RT: 3.80
Area: 4855
Amount: 0.003231
Amount Units: ng/ml



Reviewer: nampitakw, 12-Aug-2022 08:32:59

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

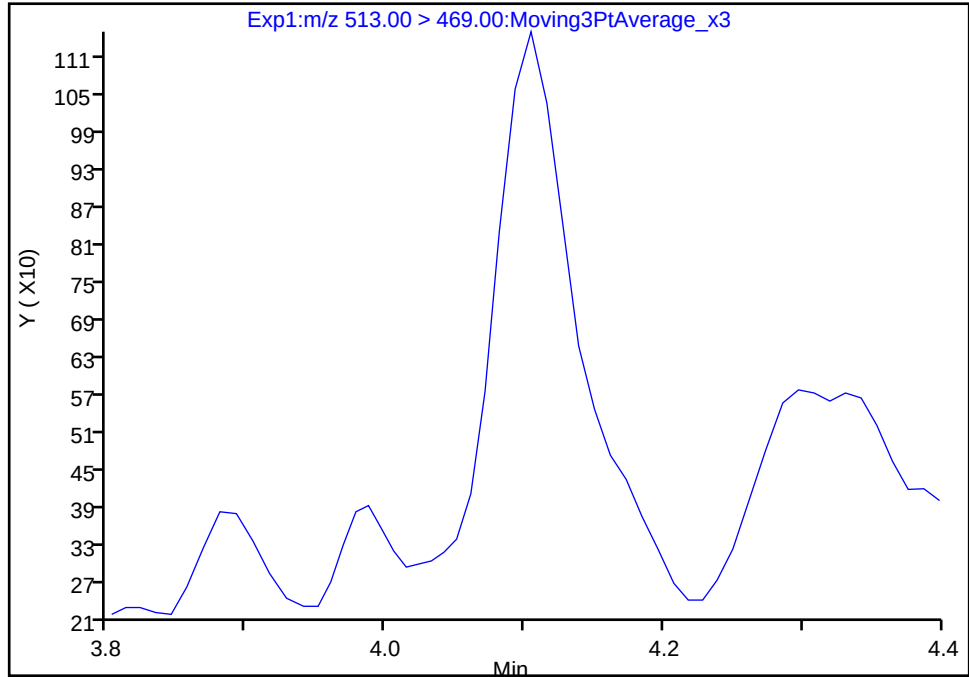
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B05.d				
Injection Date:	11-Aug-2022 19:03:54	Instrument ID:	LC812		
Lims ID:	460-263208-A-2-A	Lab Sample ID:	200-263208-2		
Client ID:	BCS-09-33 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	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

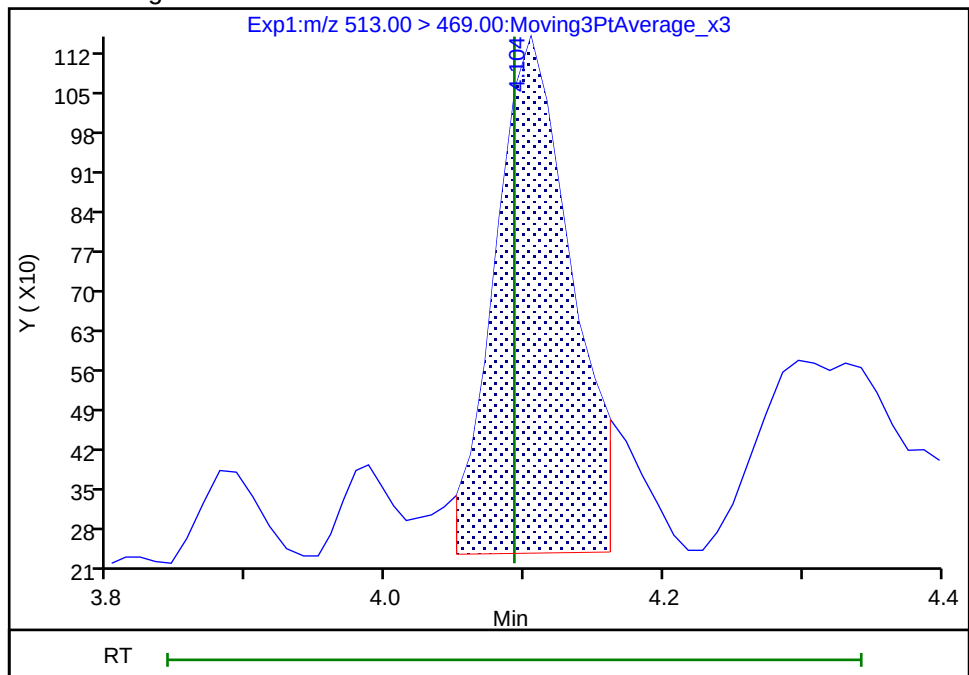
Signal: 1

Not Detected
Expected RT: 4.09

Processing Integration Results



Manual Integration Results



RT: 4.10
Area: 3483
Amount: 0.002282
Amount Units: ng/ml

Reviewer: nampitakw, 12-Aug-2022 08:33:12

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

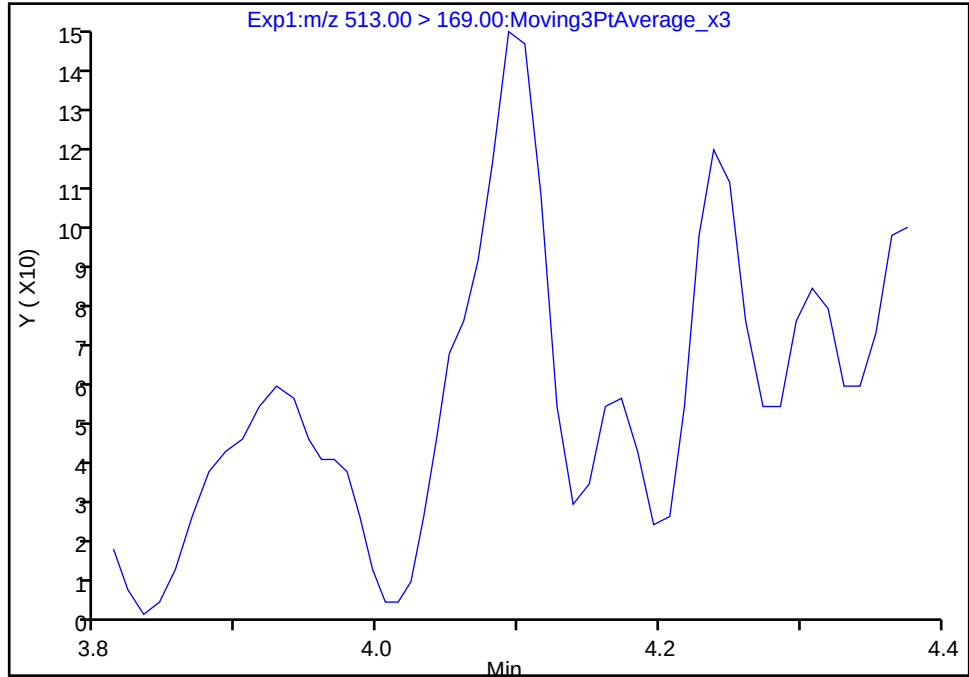
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B05.d
Injection Date: 11-Aug-2022 19:03:54 Instrument ID: LC812
Lims ID: 460-263208-A-2-A Lab Sample ID: 200-263208-2
Client ID: BCS-09-33 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. 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

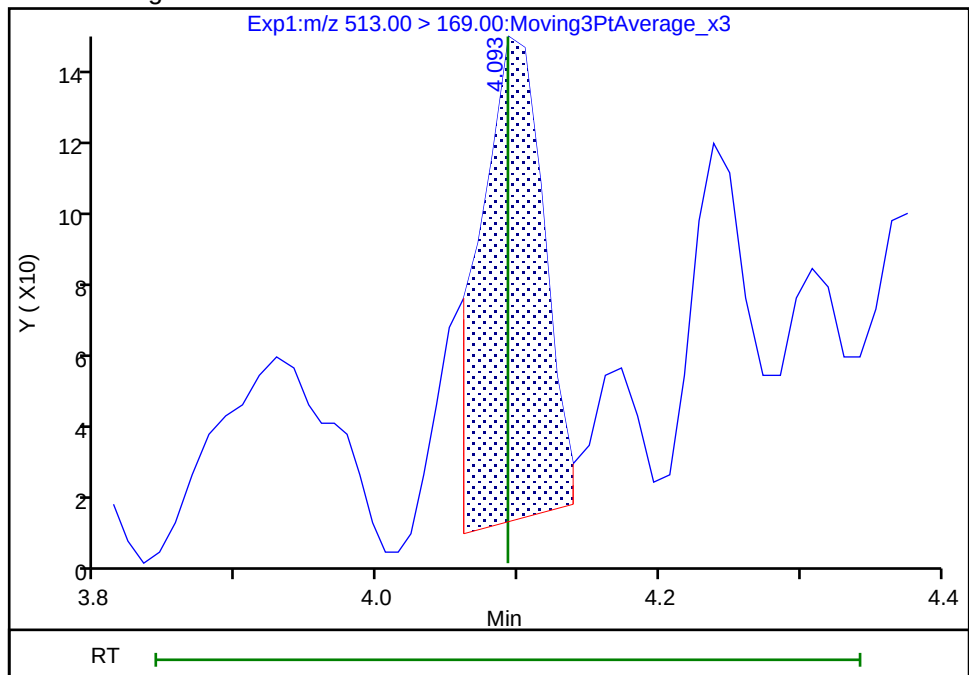
Not Detected
Expected RT: 4.09

Processing Integration Results



Manual Integration Results

RT: 4.09
Area: 401
Amount: 0.002282
Amount Units: ng/ml



Reviewer: nampitkw, 12-Aug-2022 08:33:15

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

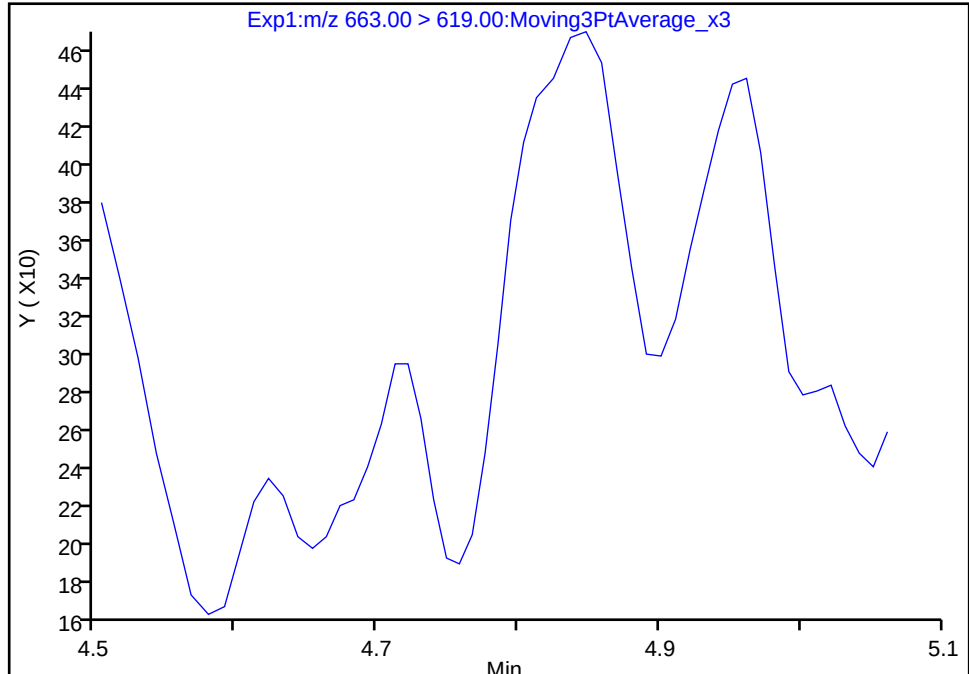
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B05.d		
Injection Date:	11-Aug-2022 19:03:54	Instrument ID:	LC812
Lims ID:	460-263208-A-2-A	Lab Sample ID:	200-263208-2
Client ID:	BCS-09-33 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	5

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

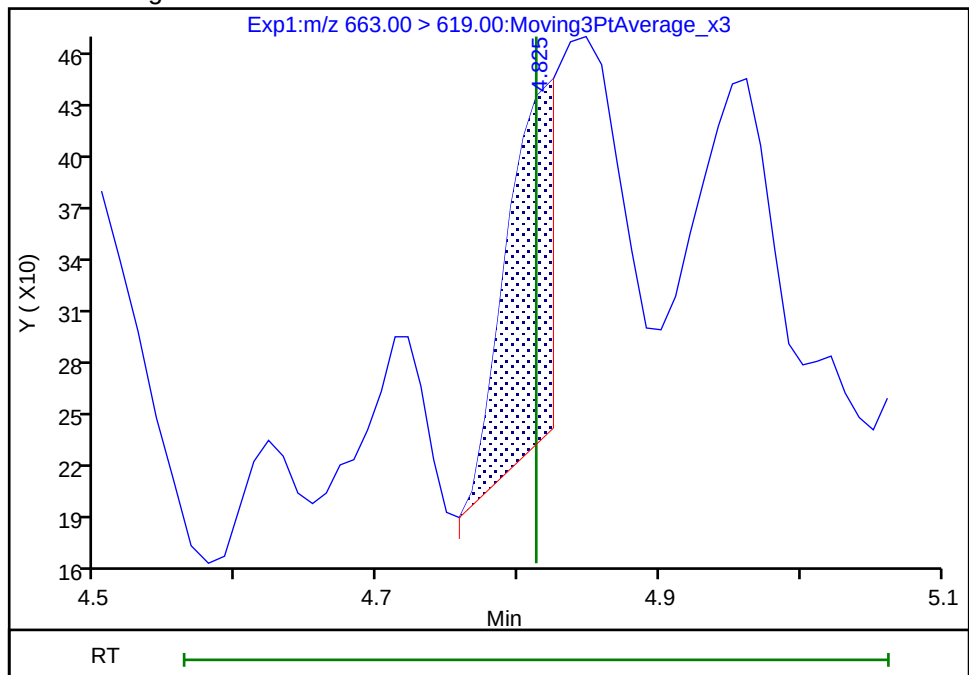
Not Detected
Expected RT: 4.81

Processing Integration Results



RT: 4.82
Area: 457
Amount: 0.000475
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:34:37

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

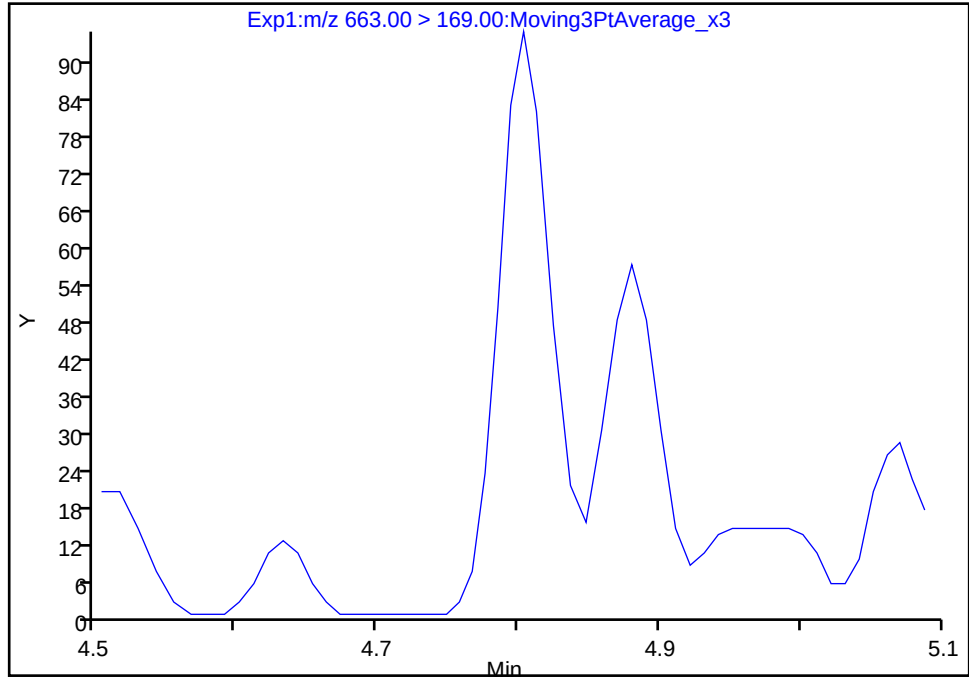
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B05.d
Injection Date: 11-Aug-2022 19:03:54 Instrument ID: LC812
Lims ID: 460-263208-A-2-A Lab Sample ID: 200-263208-2
Client ID: BCS-09-33 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. 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

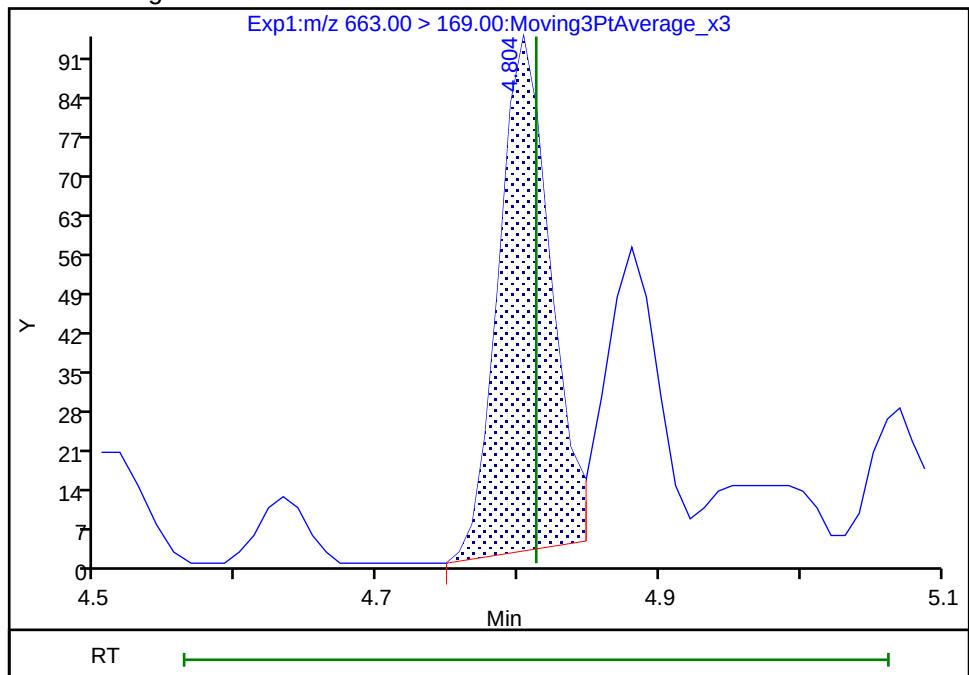
Not Detected
Expected RT: 4.81

Processing Integration Results



Manual Integration Results

RT: 4.80
Area: 236
Amount: 0.000475
Amount Units: ng/ml



Reviewer: nampitakw, 12-Aug-2022 08:34:47

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

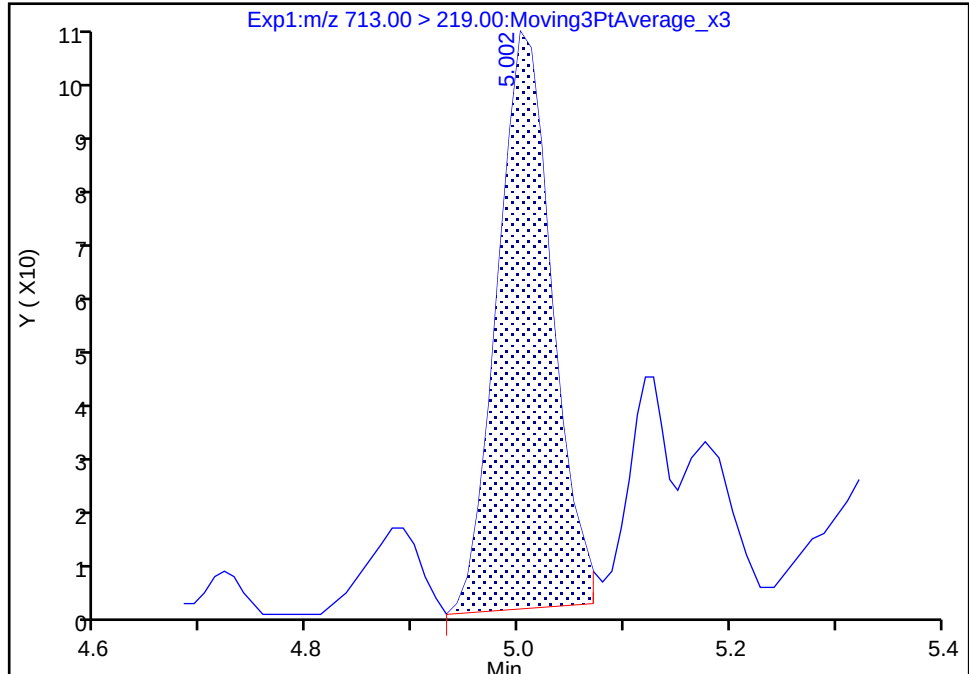
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B05.d				
Injection Date:	11-Aug-2022 19:03:54	Instrument ID:	LC812		
Lims ID:	460-263208-A-2-A	Lab Sample ID:	200-263208-2		
Client ID:	BCS-09-33 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	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

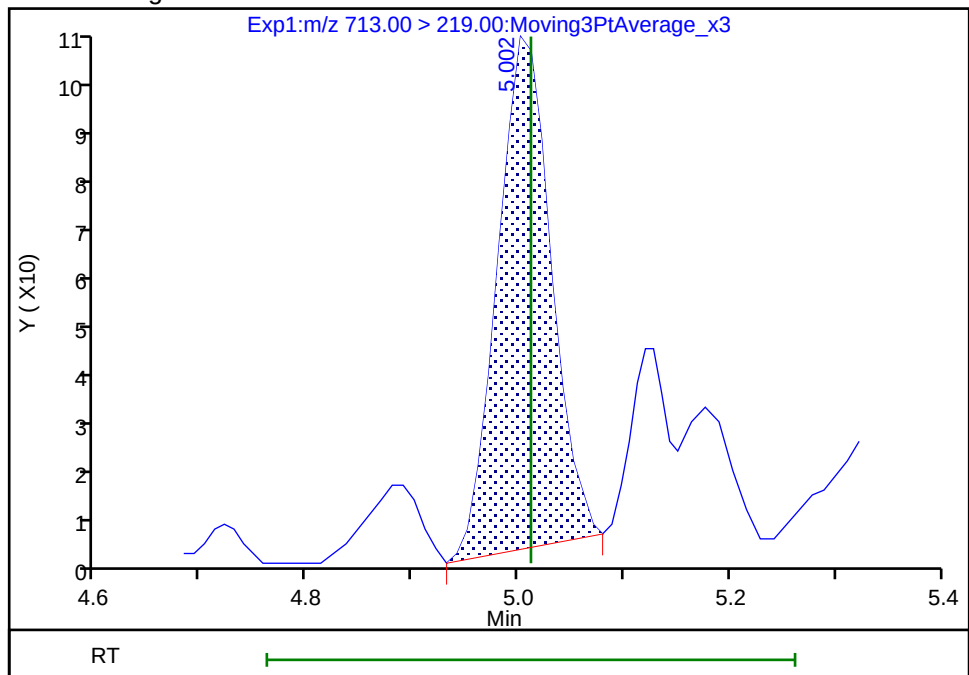
RT: 5.00
Area: 385
Amount: 0.001321
Amount Units: ng/ml

Processing Integration Results



RT: 5.00
Area: 370
Amount: 0.003522
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:35:08
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

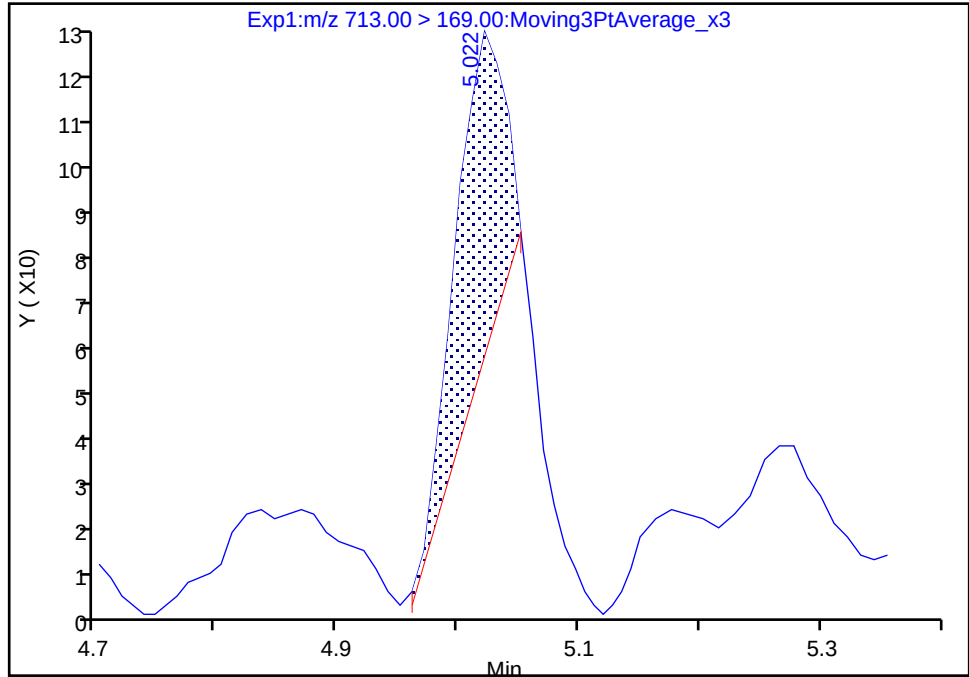
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B05.d
Injection Date: 11-Aug-2022 19:03:54 Instrument ID: LC812
Lims ID: 460-263208-A-2-A Lab Sample ID: 200-263208-2
Client ID: BCS-09-33 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. 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: 1

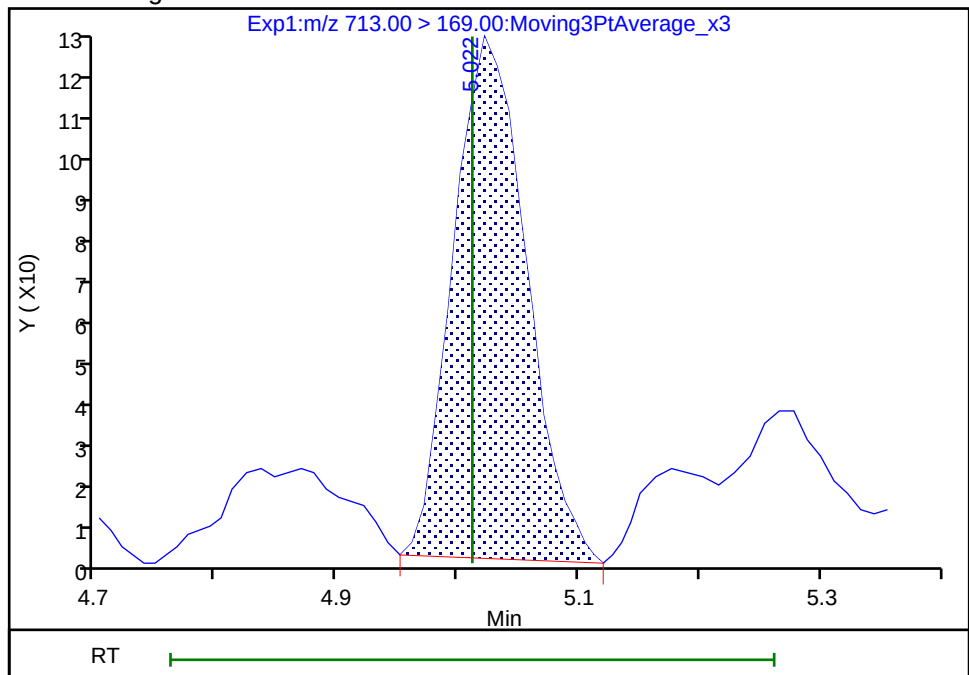
RT: 5.02
Area: 202
Amount: 0.001321
Amount Units: ng/ml

Processing Integration Results



RT: 5.02
Area: 534
Amount: 0.003522
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:35:11

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

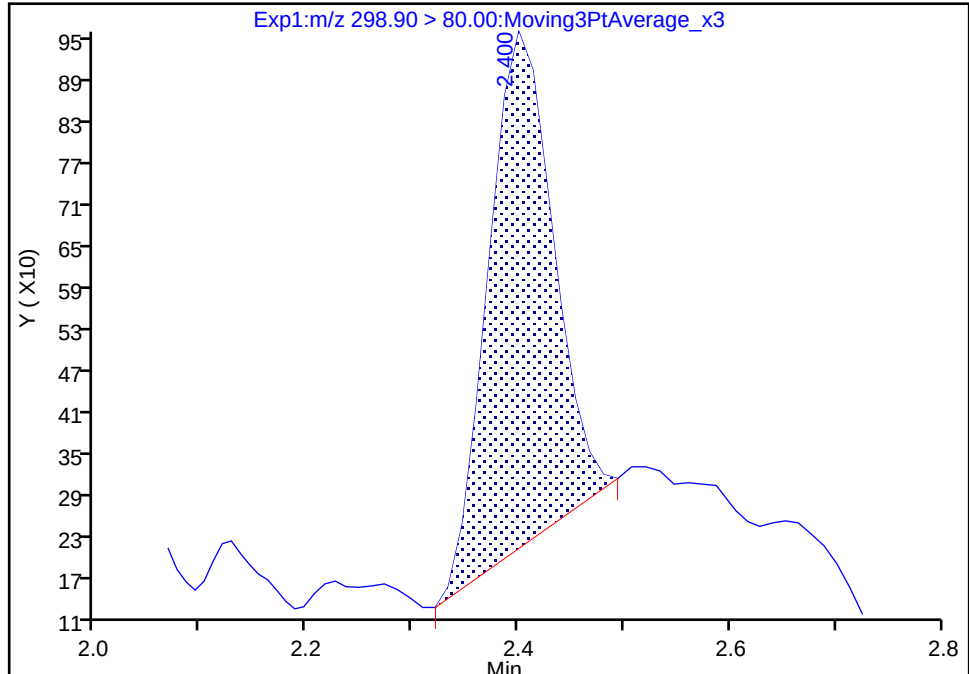
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B05.d				
Injection Date:	11-Aug-2022 19:03:54	Instrument ID:	LC812		
Lims ID:	460-263208-A-2-A	Lab Sample ID:	200-263208-2		
Client ID:	BCS-09-33 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	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

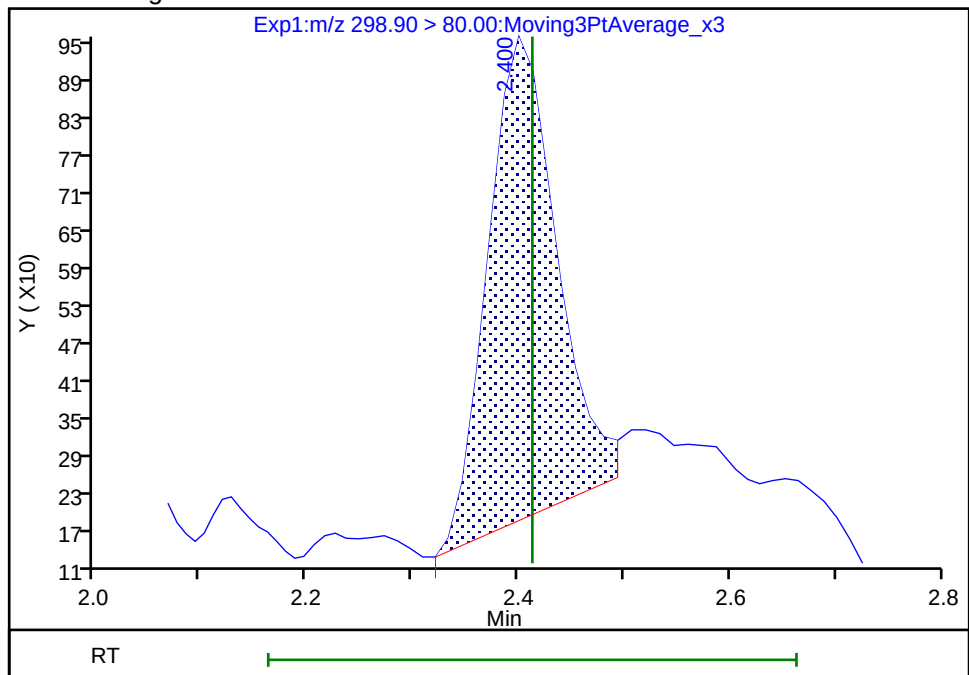
RT: 2.40
Area: 3183
Amount: 0.002205
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 3488
Amount: 0.002416
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:29:57

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

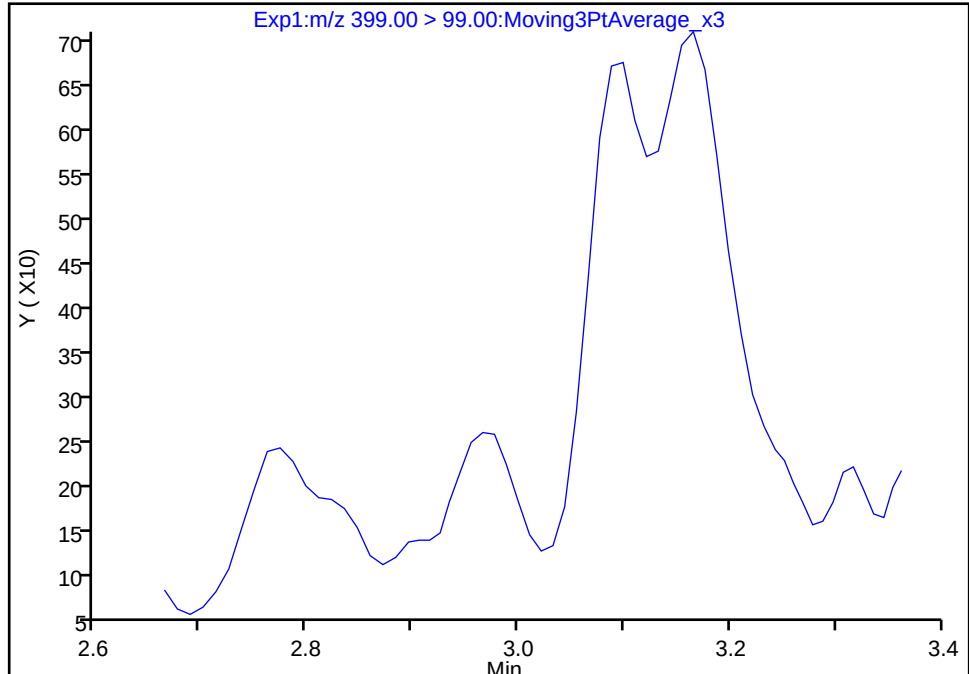
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B05.d		
Injection Date:	11-Aug-2022 19:03:54	Instrument ID:	LC812
Lims ID:	460-263208-A-2-A	Lab Sample ID:	200-263208-2
Client ID:	BCS-09-33 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	5

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

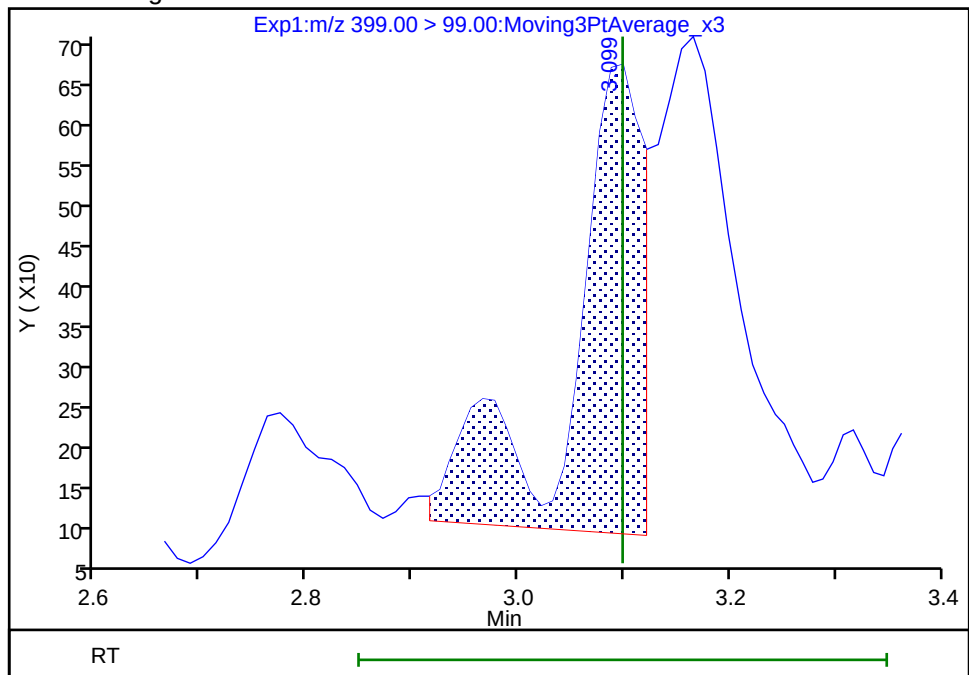
Not Detected
Expected RT: 3.10

Processing Integration Results



Manual Integration Results

RT: 3.10
Area: 2612
Amount: 0.008987
Amount Units: ng/ml



Reviewer: nampitakw, 12-Aug-2022 08:30:43
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

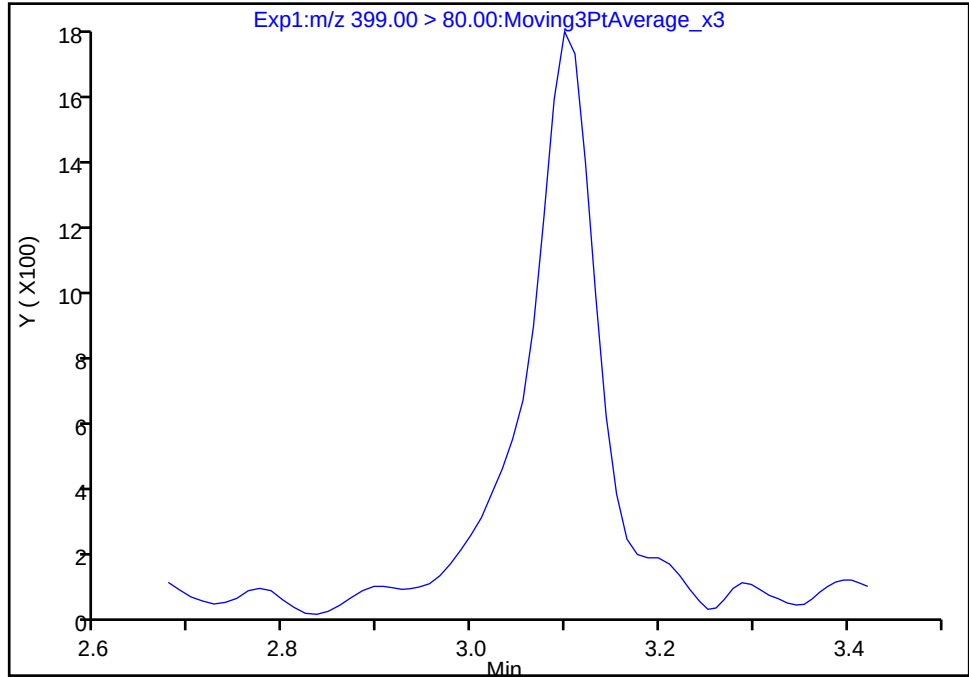
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B05.d
Injection Date: 11-Aug-2022 19:03:54 Instrument ID: LC812
Lims ID: 460-263208-A-2-A Lab Sample ID: 200-263208-2
Client ID: BCS-09-33 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. 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

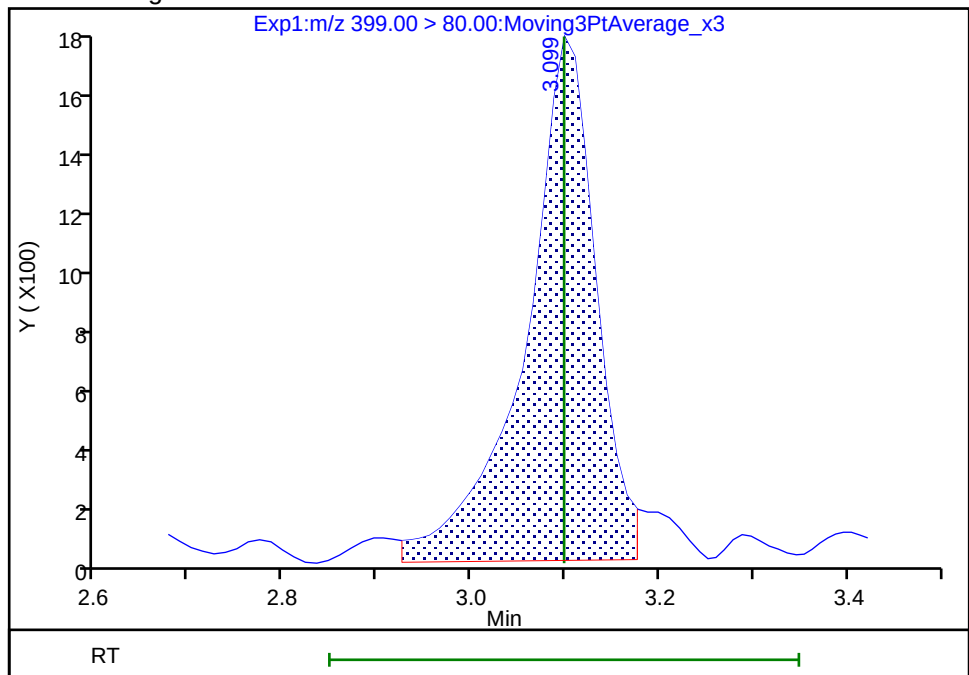
Not Detected
Expected RT: 3.10

Processing Integration Results



Manual Integration Results

RT: 3.10
Area: 9095
Amount: 0.008987
Amount Units: ng/ml



Reviewer: nampitakw, 12-Aug-2022 08:30:50

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

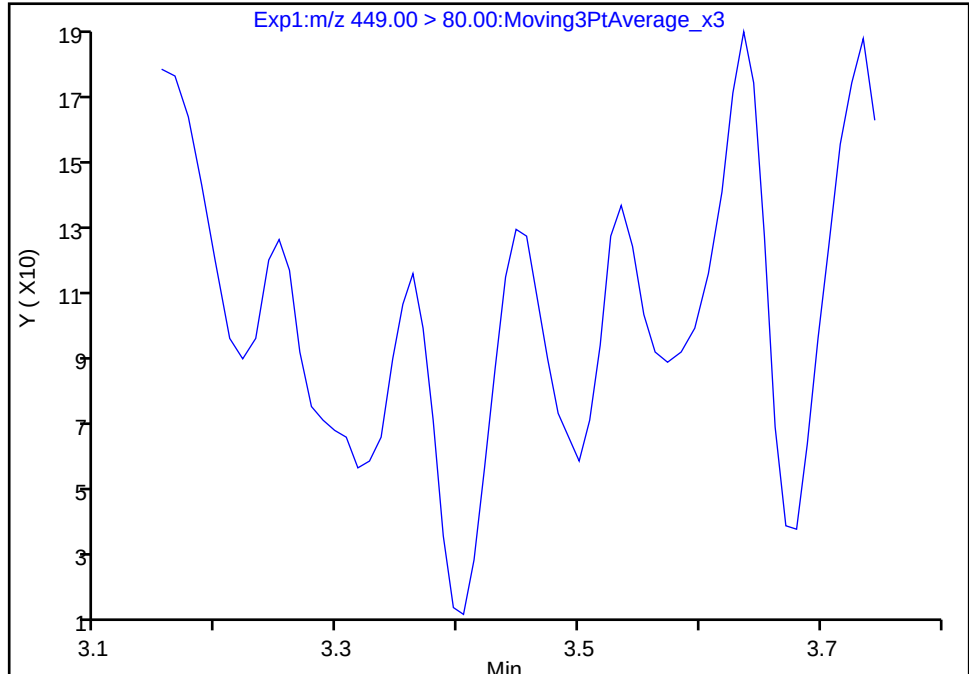
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B05.d		
Injection Date:	11-Aug-2022 19:03:54	Instrument ID:	LC812
Lims ID:	460-263208-A-2-A	Lab Sample ID:	200-263208-2
Client ID:	BCS-09-33 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	5

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

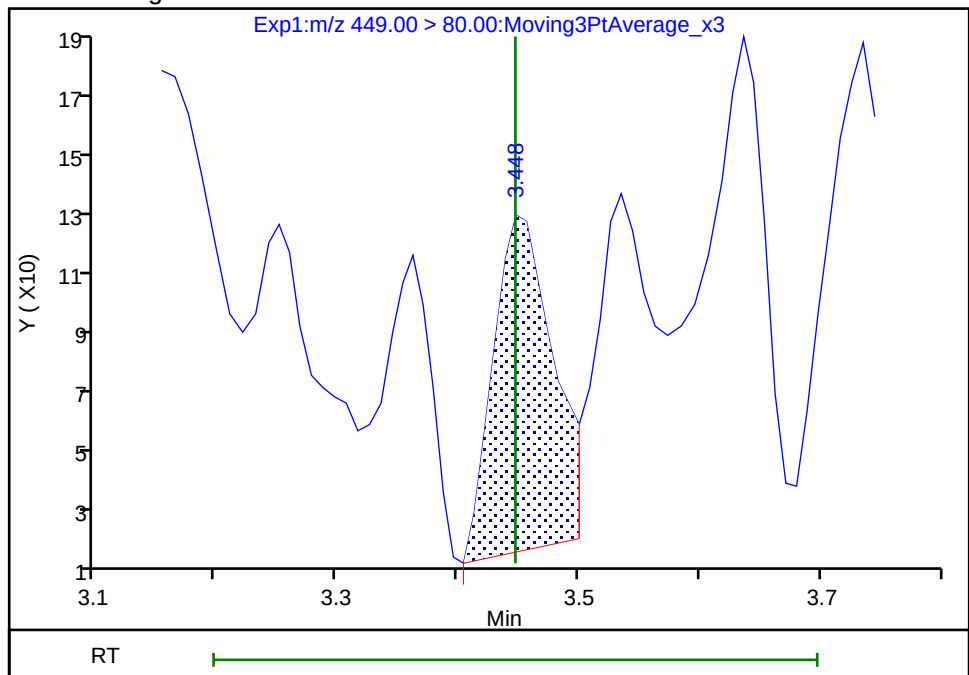
Signal: 1

Not Detected
Expected RT: 3.45

Processing Integration Results



Manual Integration Results

RT: 3.45
Area: 371
Amount: 0.000427
Amount Units: ng/mlReviewer: nampitakw, 12-Aug-2022 08:31:32
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

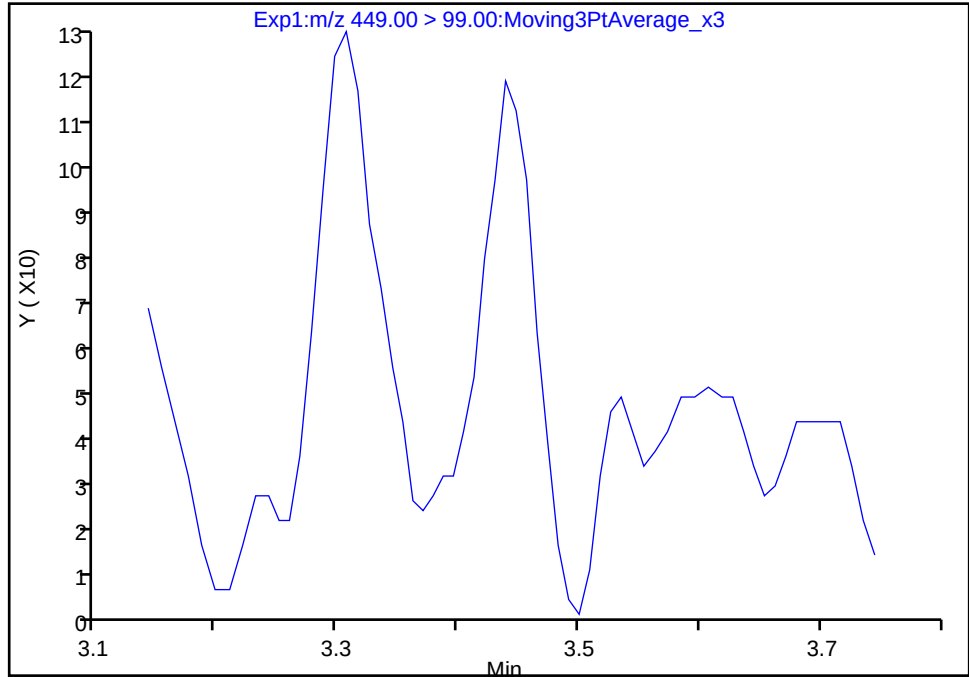
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B05.d
Injection Date: 11-Aug-2022 19:03:54 Instrument ID: LC812
Lims ID: 460-263208-A-2-A Lab Sample ID: 200-263208-2
Client ID: BCS-09-33 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

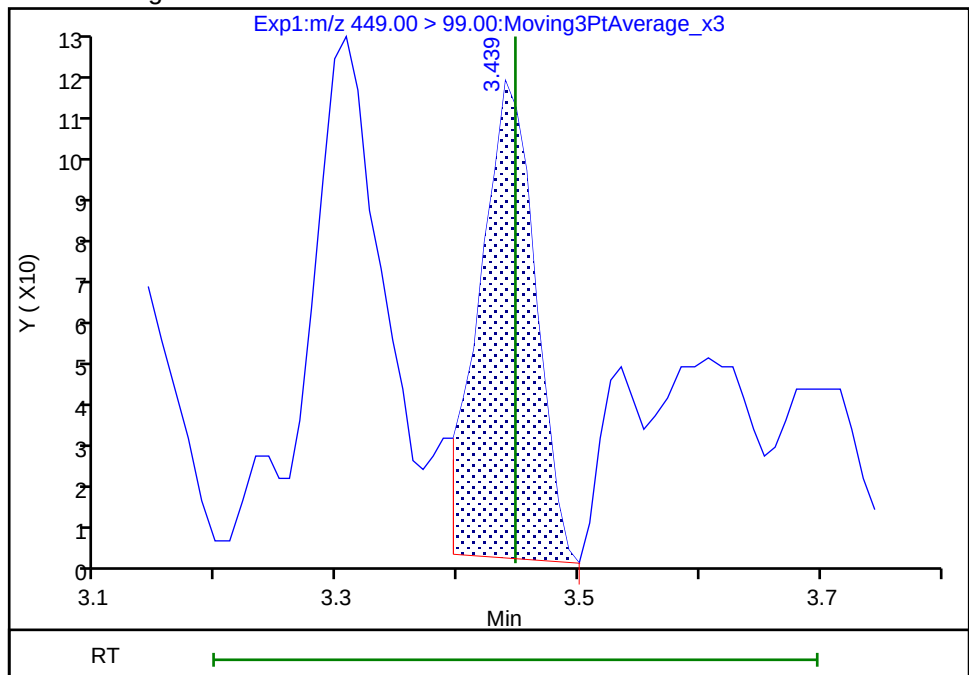
Not Detected
Expected RT: 3.45

Processing Integration Results



Manual Integration Results

RT: 3.44
Area: 341
Amount: 0.000427
Amount Units: ng/ml



Reviewer: nampitakw, 12-Aug-2022 08:31:34

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

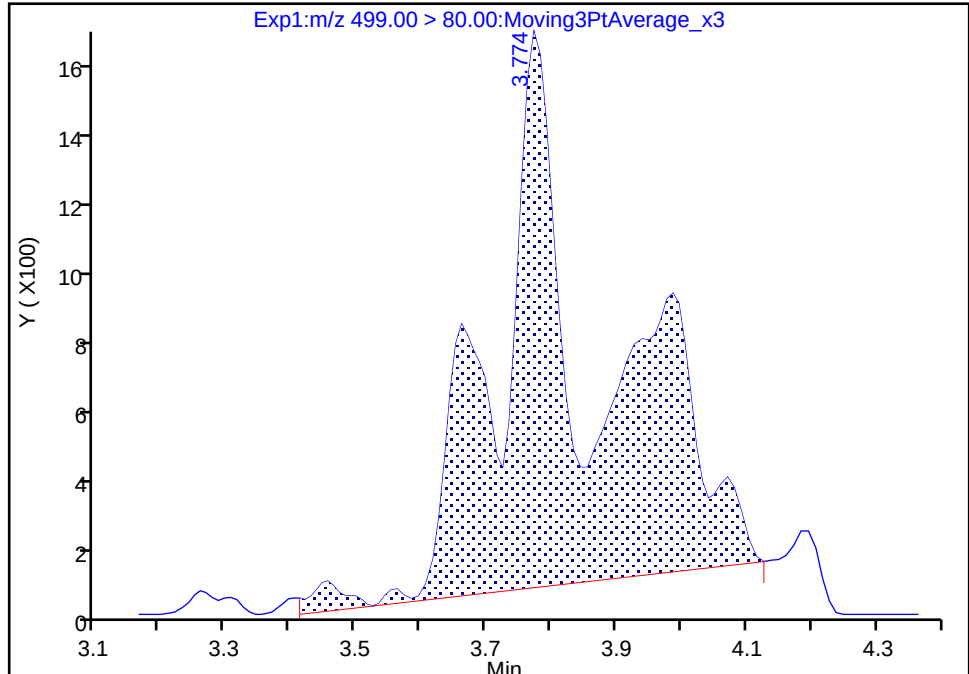
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B05.d		
Injection Date:	11-Aug-2022 19:03:54	Instrument ID:	LC812
Lims ID:	460-263208-A-2-A	Lab Sample ID:	200-263208-2
Client ID:	BCS-09-33 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	5

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

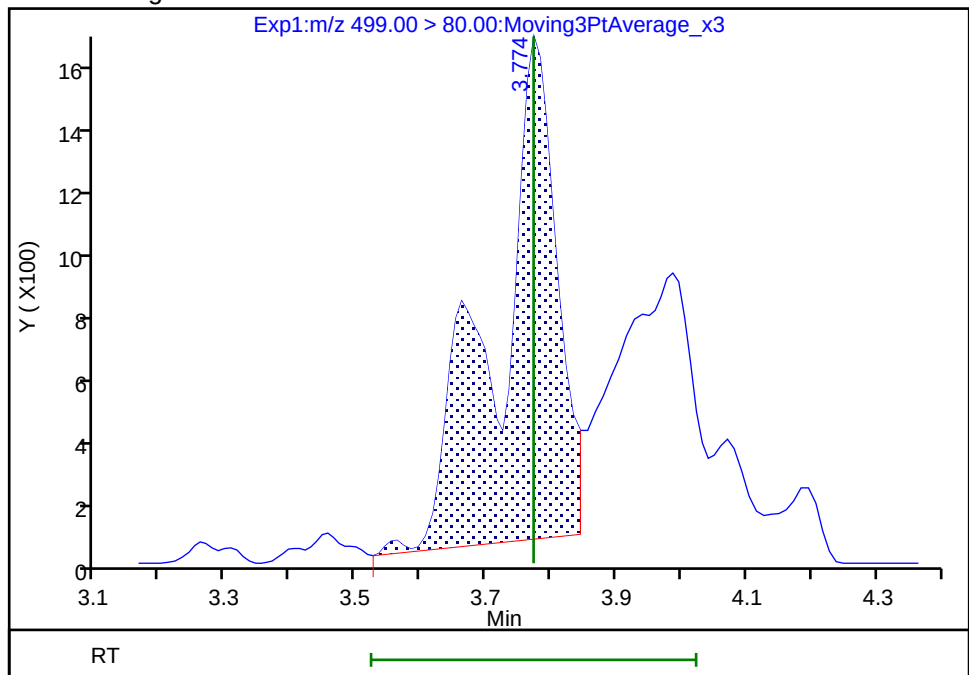
RT: 3.77
Area: 18041
Amount: 0.007316
Amount Units: ng/ml

Processing Integration Results



RT: 3.77
Area: 10398
Amount: -0.003609
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:32:32
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

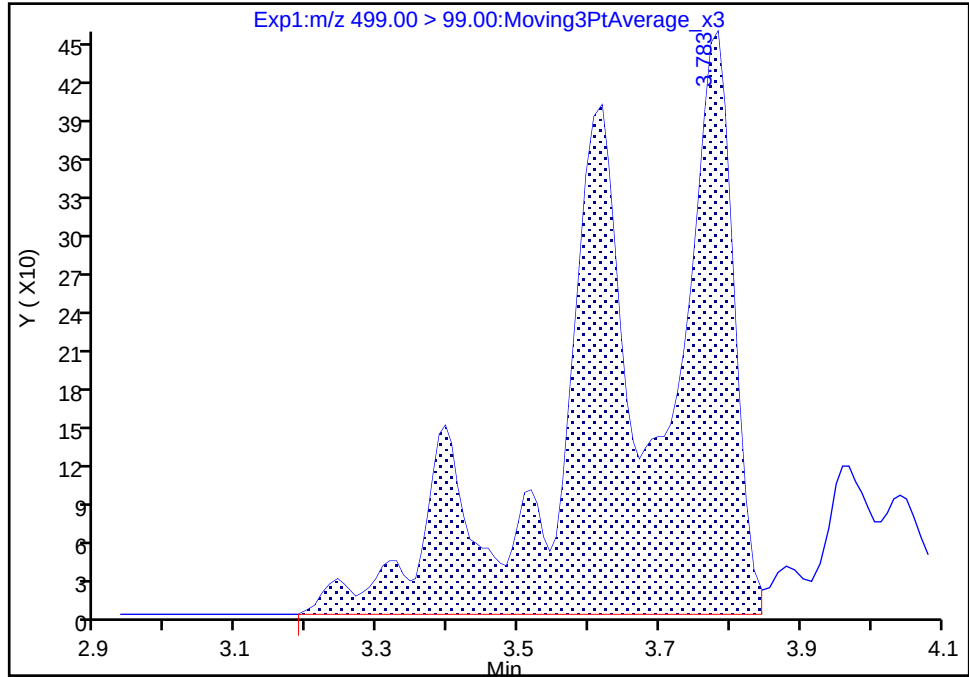
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B05.d
Injection Date: 11-Aug-2022 19:03:54 Instrument ID: LC812
Lims ID: 460-263208-A-2-A Lab Sample ID: 200-263208-2
Client ID: BCS-09-33 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. 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

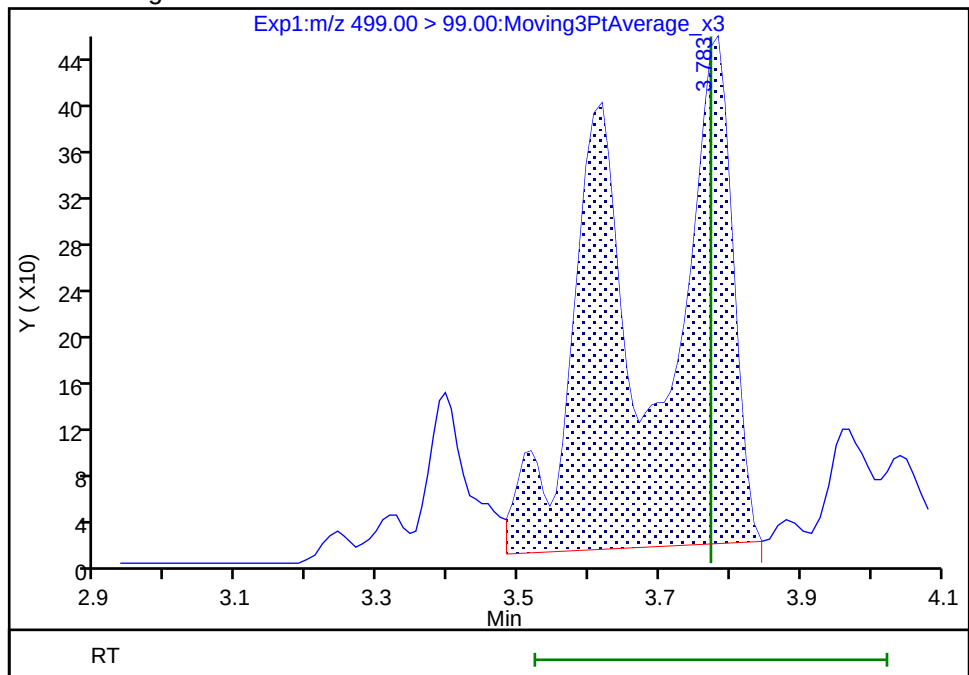
RT: 3.78
Area: 5214
Amount: 0.007316
Amount Units: ng/ml

Processing Integration Results



RT: 3.78
Area: 4090
Amount: -0.003609
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:32:46

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

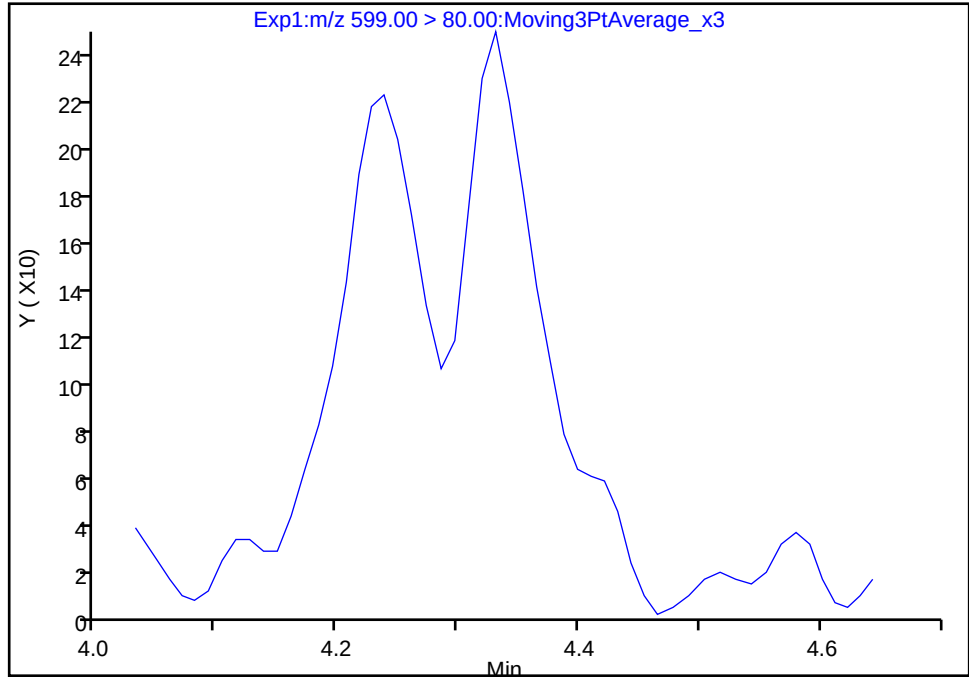
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B05.d				
Injection Date:	11-Aug-2022 19:03:54	Instrument ID:	LC812		
Lims ID:	460-263208-A-2-A	Lab Sample ID:	200-263208-2		
Client ID:	BCS-09-33 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	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: 1

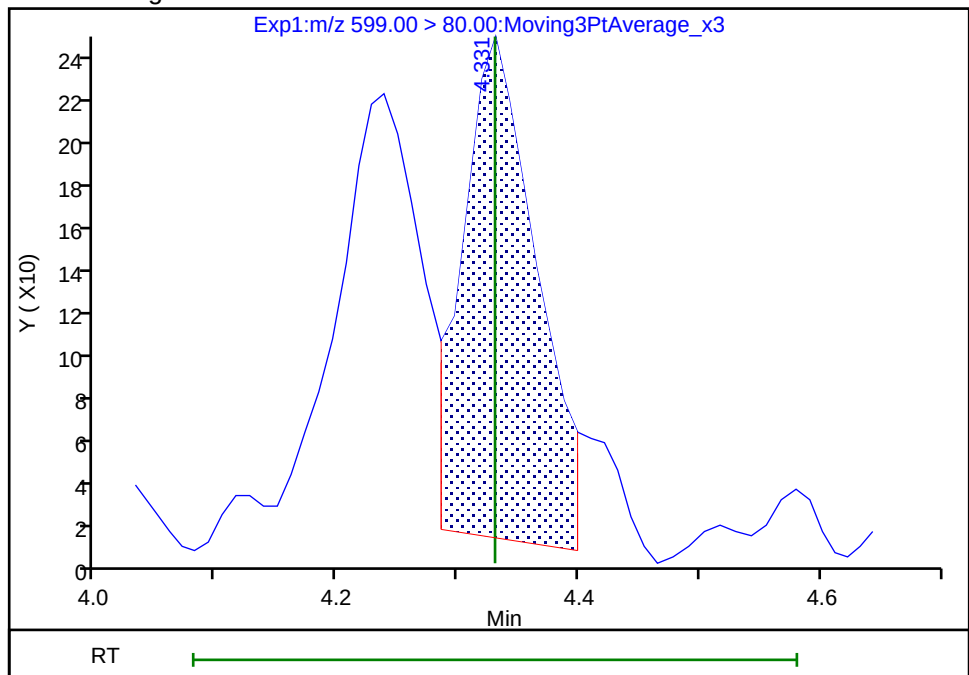
Not Detected
Expected RT: 4.33

Processing Integration Results



Manual Integration Results

RT: 4.33
Area: 995
Amount: 0.002429
Amount Units: ng/ml



Reviewer: nampitakw, 12-Aug-2022 08:34:06
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

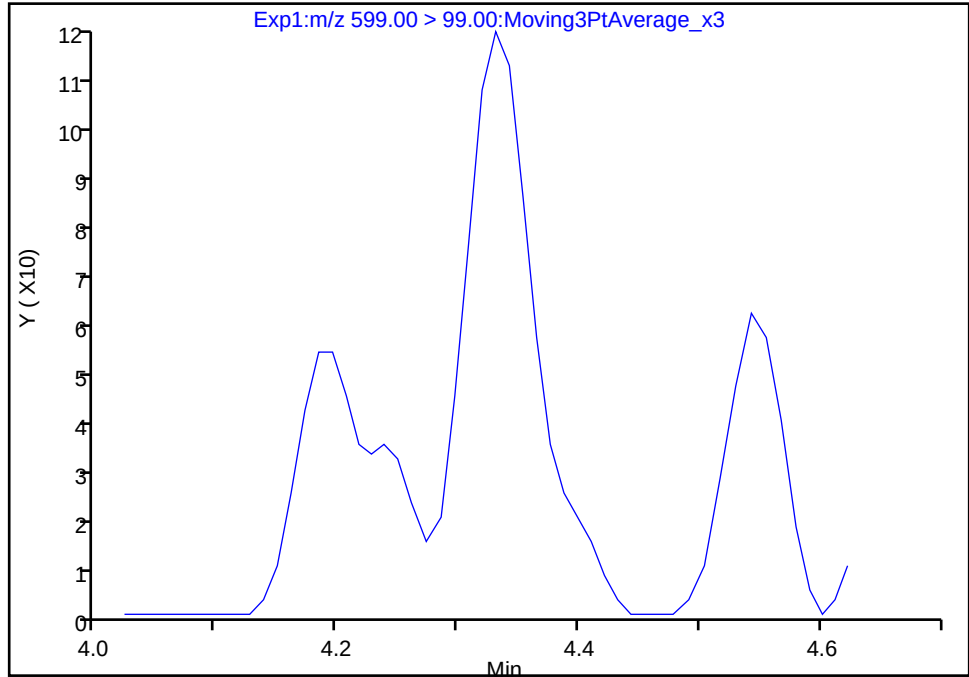
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B05.d
Injection Date: 11-Aug-2022 19:03:54 Instrument ID: LC812
Lims ID: 460-263208-A-2-A Lab Sample ID: 200-263208-2
Client ID: BCS-09-33 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. 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

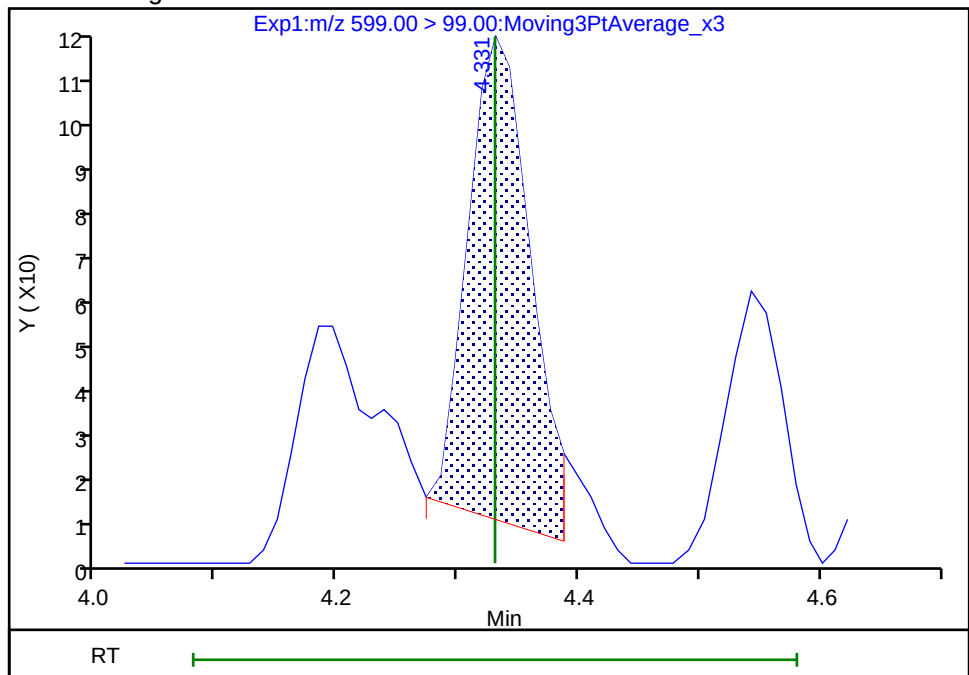
Not Detected
Expected RT: 4.33

Processing Integration Results



Manual Integration Results

RT: 4.33
Area: 393
Amount: 0.002429
Amount Units: ng/ml



Reviewer: nampitakw, 12-Aug-2022 08:34:08

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

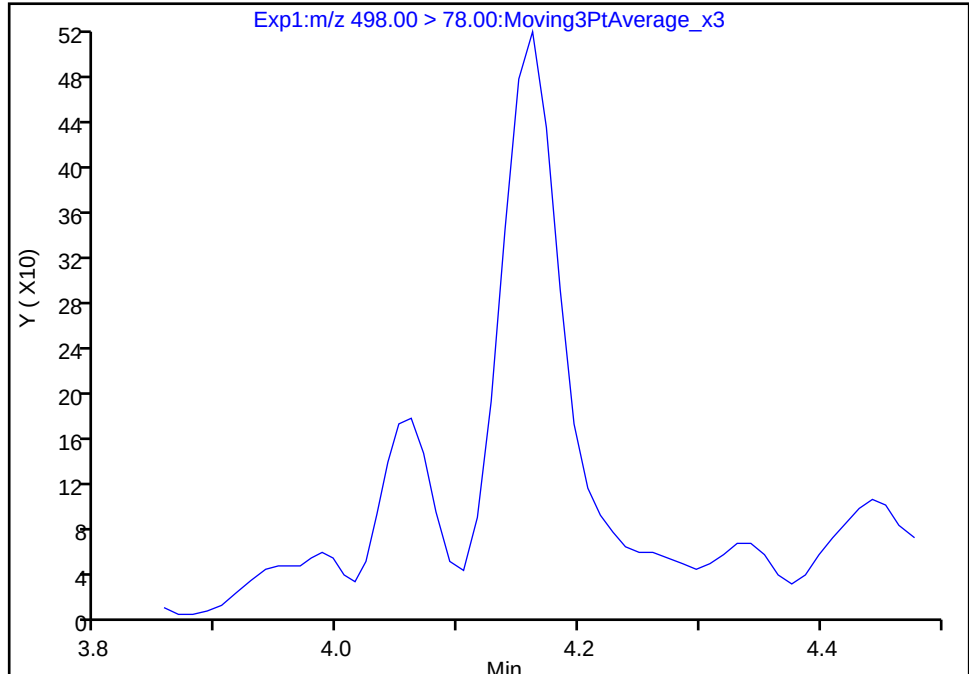
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B05.d				
Injection Date:	11-Aug-2022 19:03:54	Instrument ID:	LC812		
Lims ID:	460-263208-A-2-A	Lab Sample ID:	200-263208-2		
Client ID:	BCS-09-33 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	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

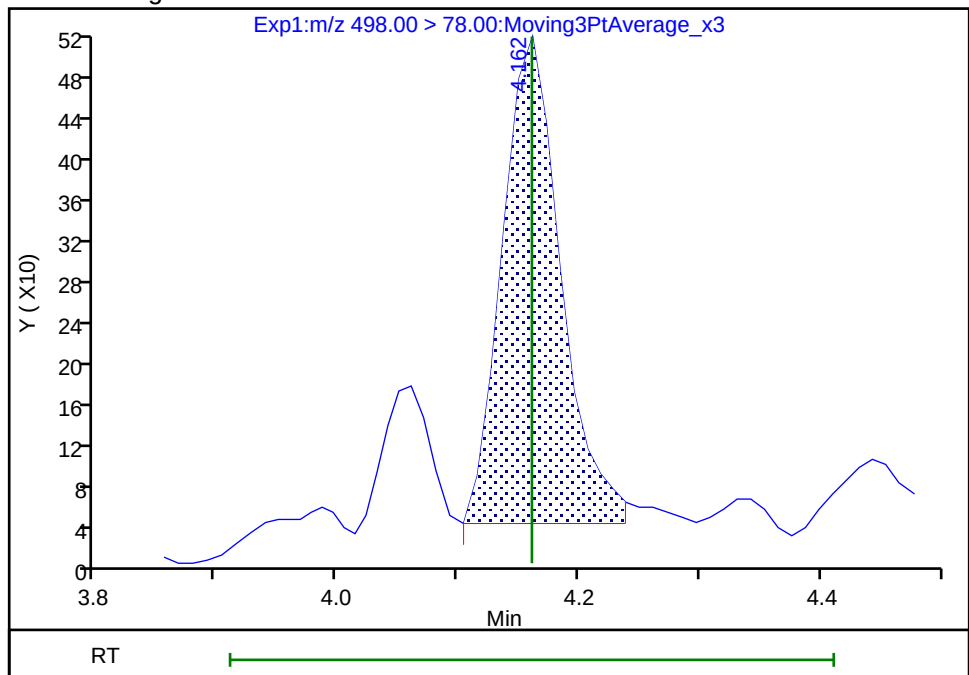
Signal: 1

Not Detected
Expected RT: 4.16

Processing Integration Results



Manual Integration Results



RT: 4.16
Area: 1605
Amount: 0.001613
Amount Units: ng/ml

Reviewer: nampitakw, 12-Aug-2022 08:33:33
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

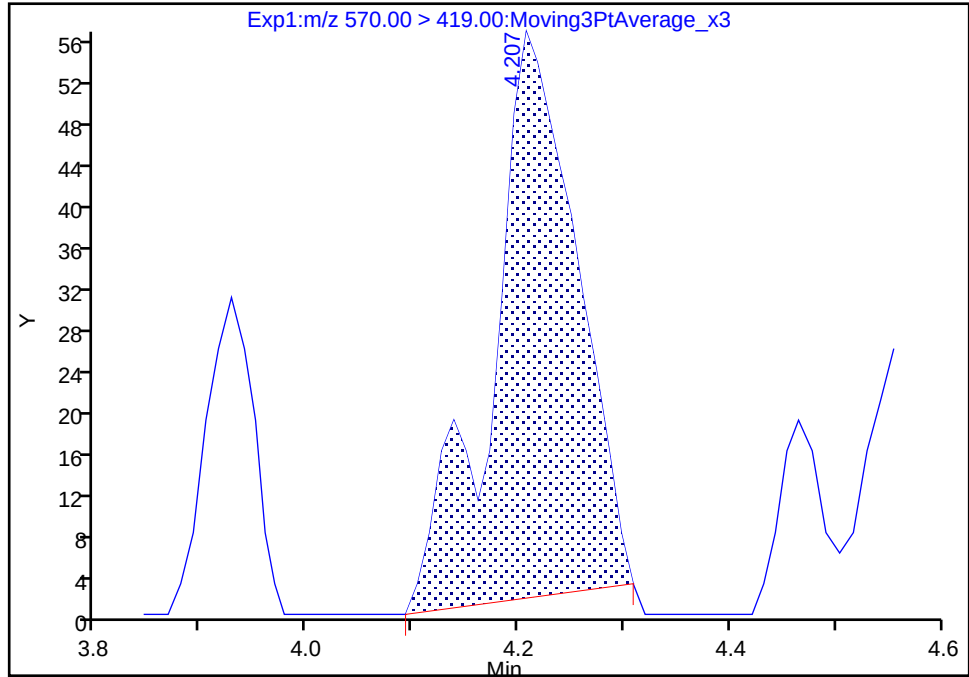
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B05.d		
Injection Date:	11-Aug-2022 19:03:54	Instrument ID:	LC812
Lims ID:	460-263208-A-2-A	Lab Sample ID:	200-263208-2
Client ID:	BCS-09-33 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	5

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

Signal: 1

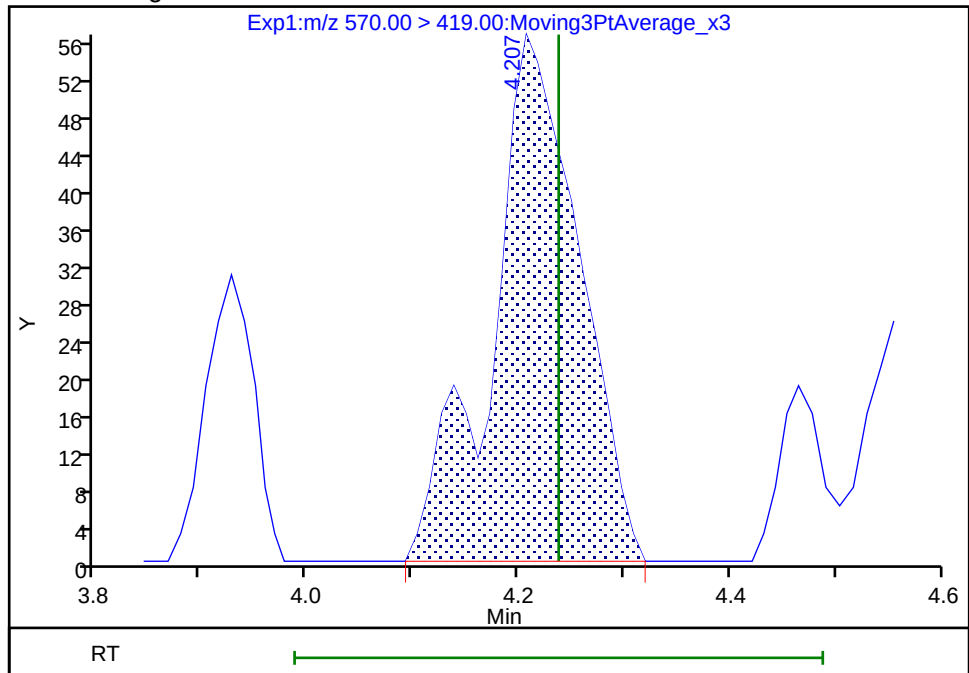
RT: 4.21
Area: 310
Amount: 0.001976
Amount Units: ng/ml

Processing Integration Results



RT: 4.21
Area: 331
Amount: 0.002110
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:33:39
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

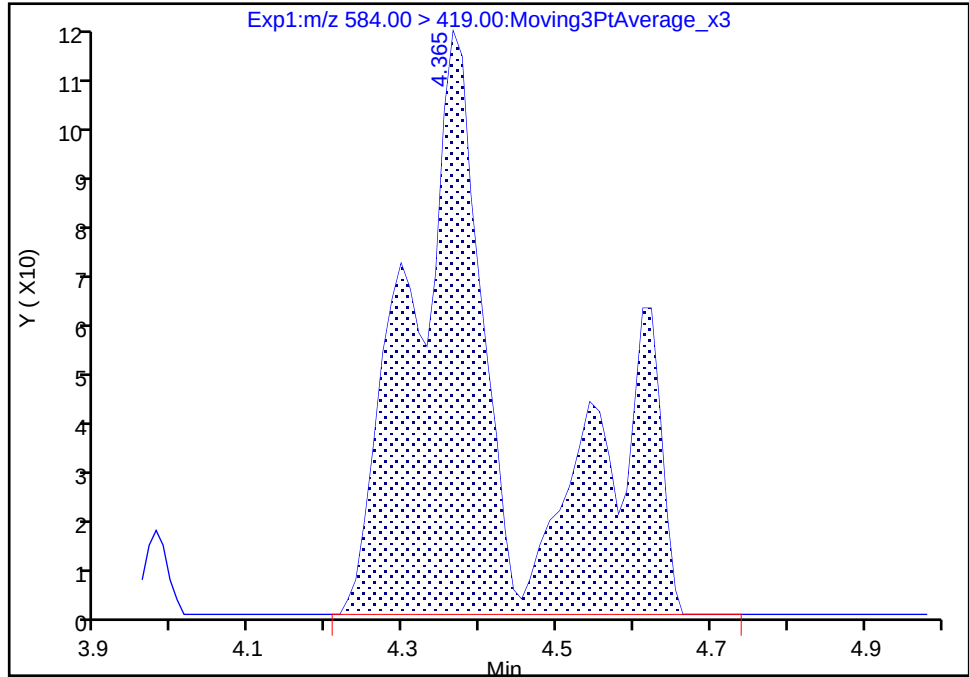
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B05.d		
Injection Date:	11-Aug-2022 19:03:54	Instrument ID:	LC812
Lims ID:	460-263208-A-2-A	Lab Sample ID:	200-263208-2
Client ID:	BCS-09-33 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	5

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

Signal: 1

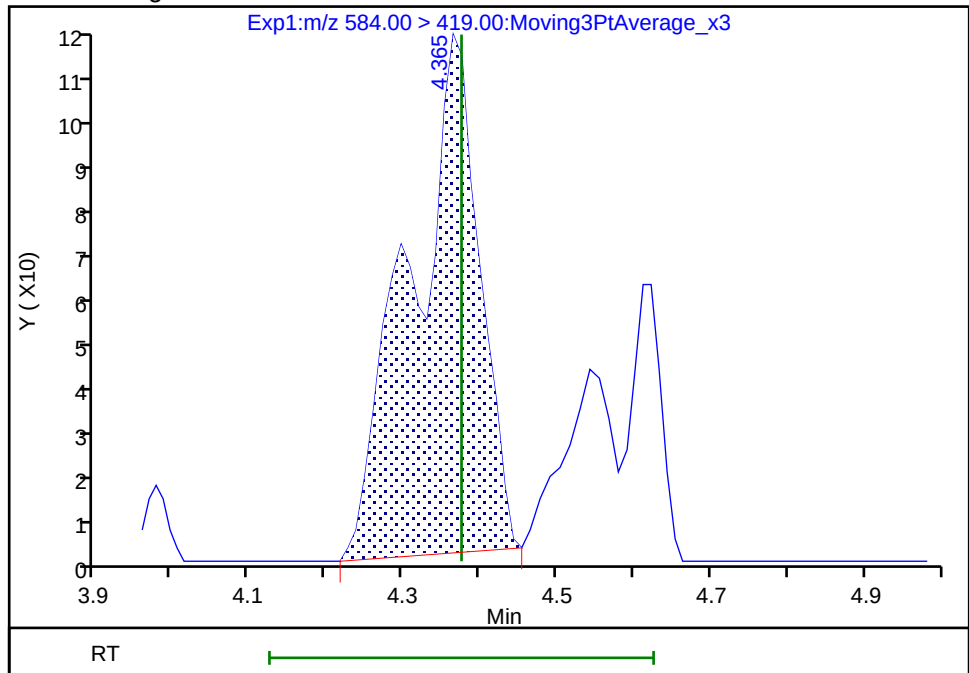
RT: 4.36
Area: 1103
Amount: 0.007617
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 723
Amount: 0.004993
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:34:17
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

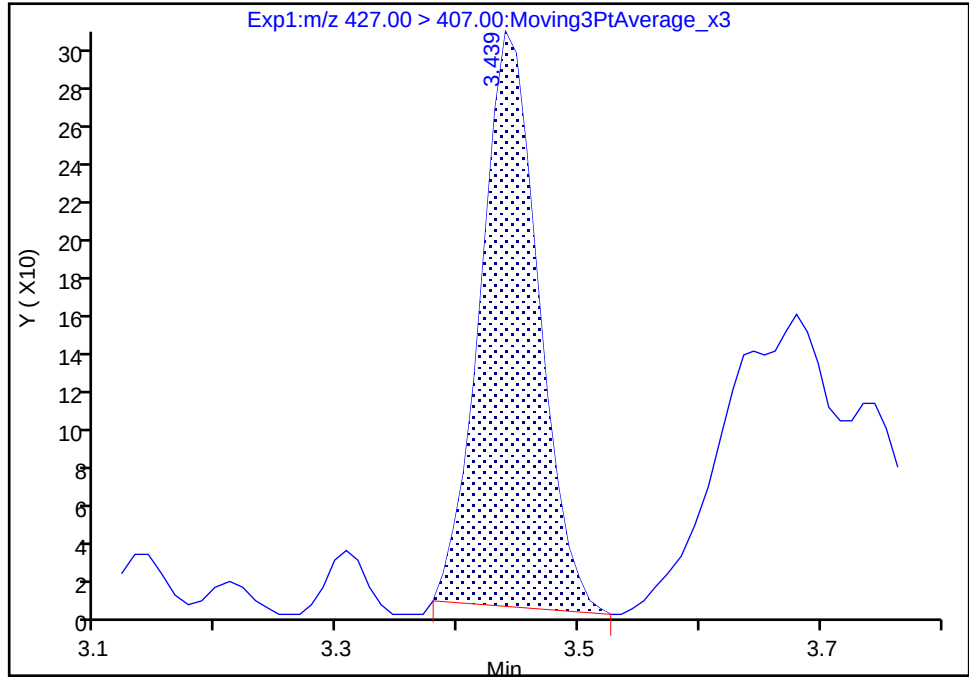
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B05.d		
Injection Date:	11-Aug-2022 19:03:54	Instrument ID:	LC812
Lims ID:	460-263208-A-2-A	Lab Sample ID:	200-263208-2
Client ID:	BCS-09-33 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	5

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

Signal: 1

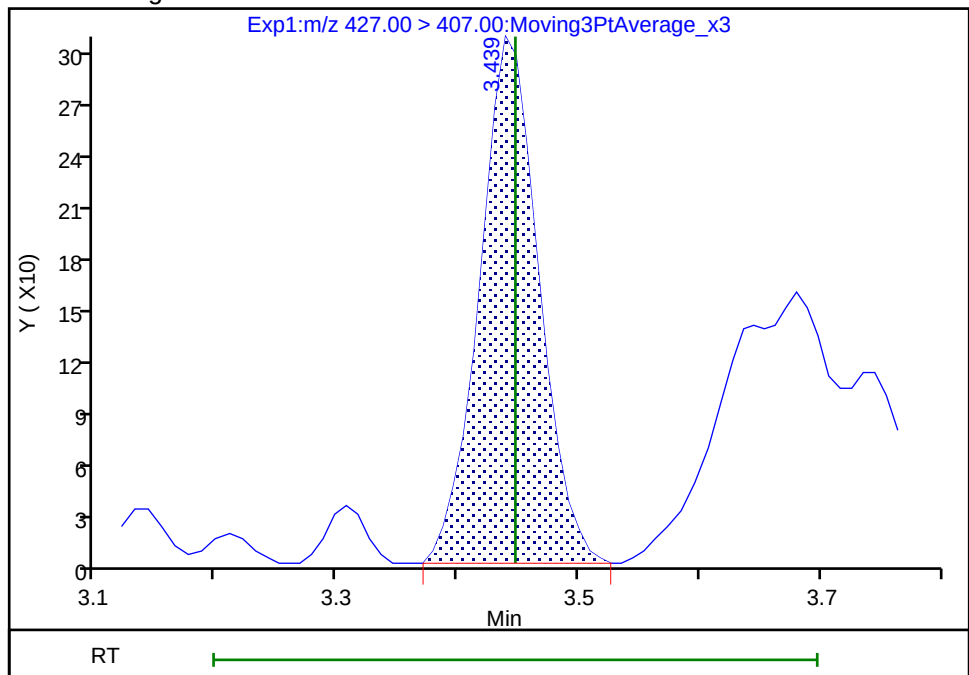
RT: 3.44
Area: 993
Amount: -0.012434
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 1025
Amount: -0.012293
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:31:18
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

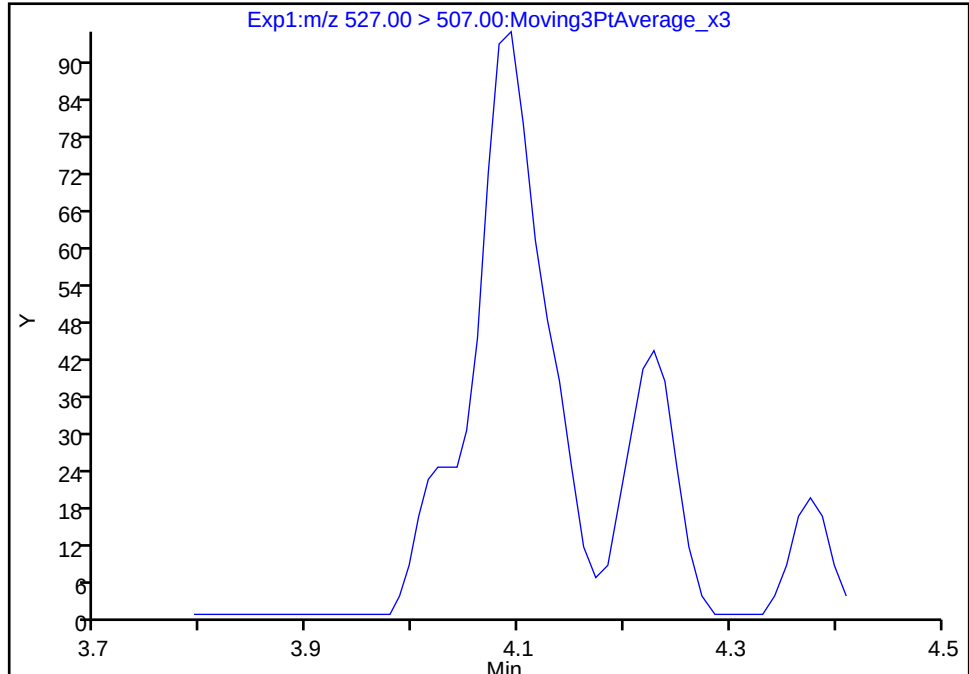
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B05.d
Injection Date: 11-Aug-2022 19:03:54 Instrument ID: LC812
Lims ID: 460-263208-A-2-A Lab Sample ID: 200-263208-2
Client ID: BCS-09-33 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. 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

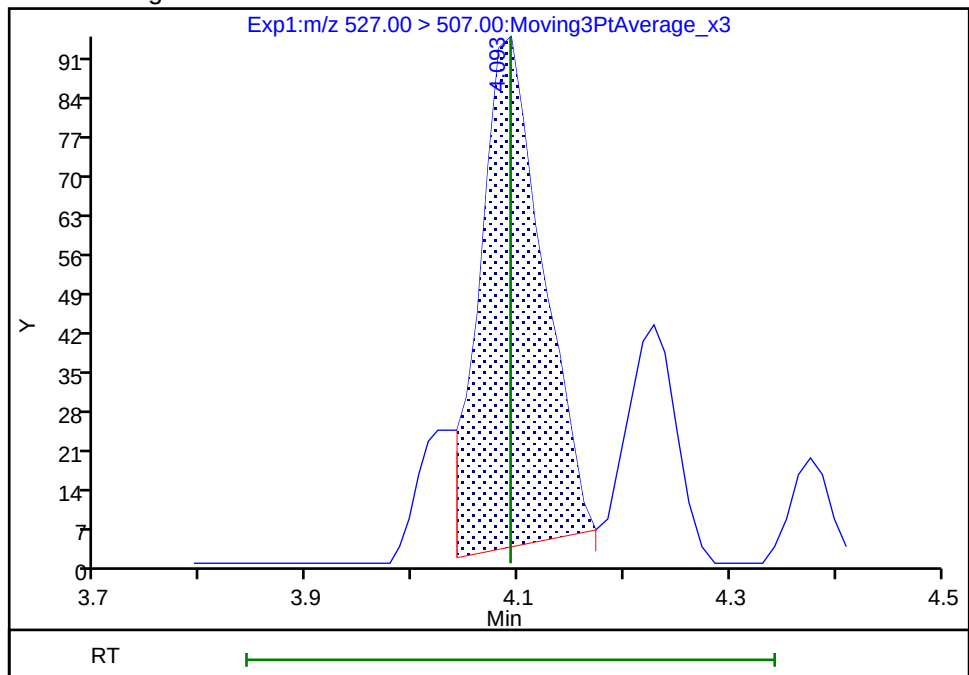
Not Detected
Expected RT: 4.09

Processing Integration Results



Manual Integration Results

RT: 4.09
Area: 375
Amount: 0.002128
Amount Units: ng/ml



Reviewer: nampitakw, 12-Aug-2022 08:33:25
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

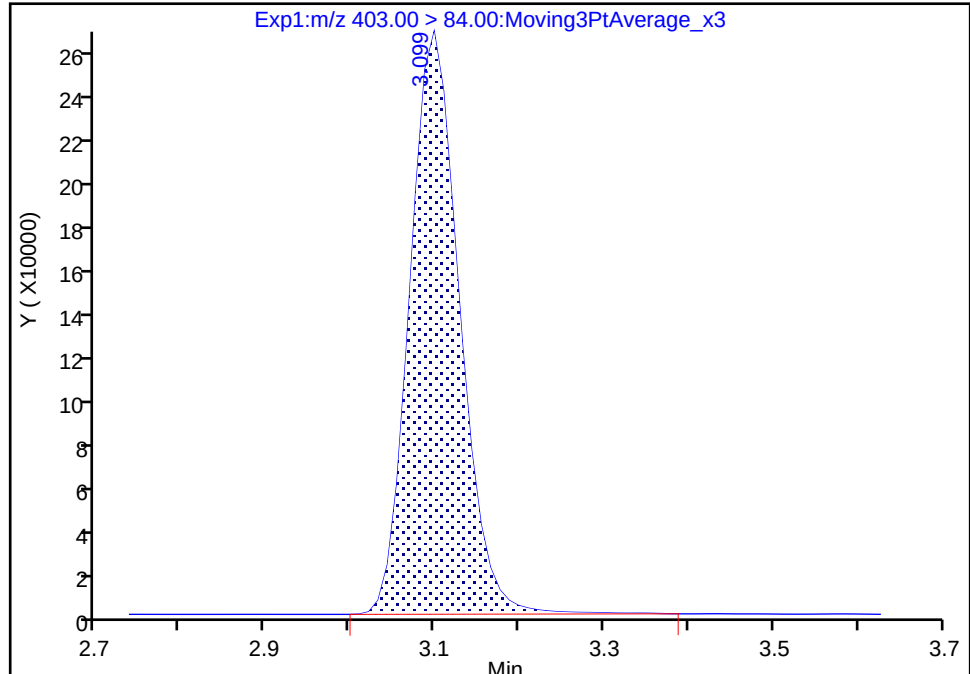
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B05.d		
Injection Date:	11-Aug-2022 19:03:54	Instrument ID:	LC812
Lims ID:	460-263208-A-2-A	Lab Sample ID:	200-263208-2
Client ID:	BCS-09-33 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	5

D 11 18O2 PFHxS, CAS: STL00994

Signal: 1

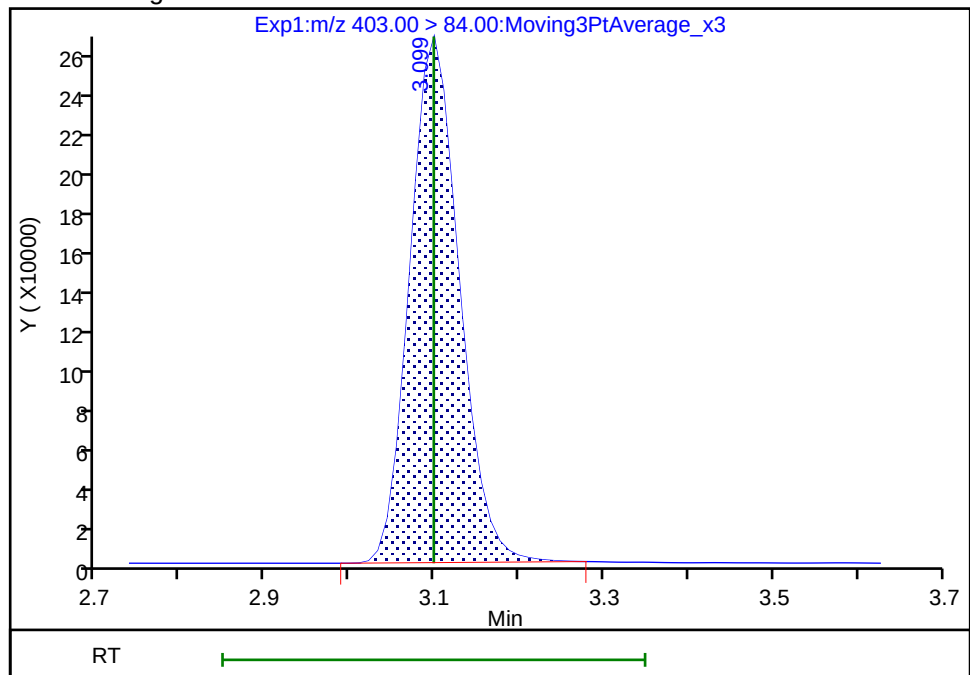
RT: 3.10
Area: 1092923
Amount: 0.963904
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 1084986
Amount: 0.956904
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 09:47:00

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

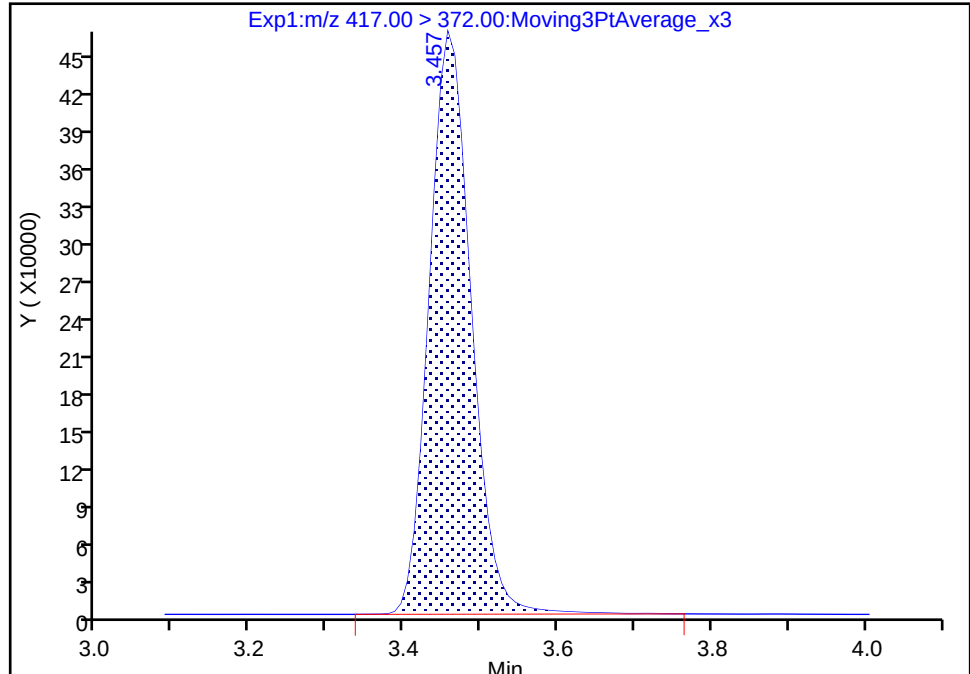
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B05.d		
Injection Date:	11-Aug-2022 19:03:54	Instrument ID:	LC812
Lims ID:	460-263208-A-2-A	Lab Sample ID:	200-263208-2
Client ID:	BCS-09-33 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	5

D 14 13C4 PFOA, CAS: STL00990

Signal: 1

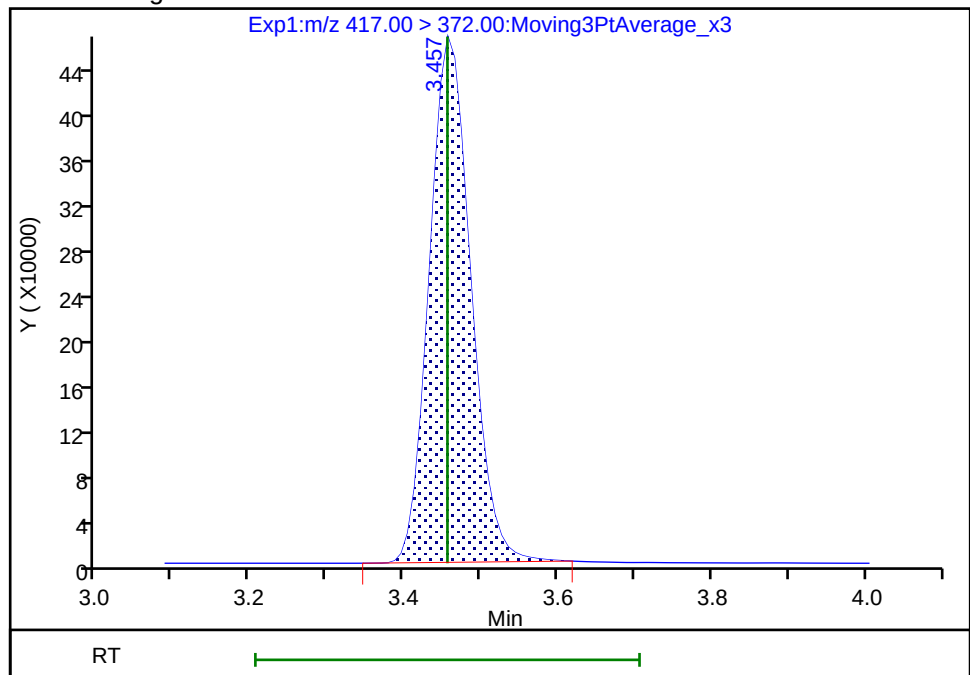
RT: 3.46
Area: 1747810
Amount: 1.182174
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 1729895
Amount: 1.170057
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 09:47:21

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

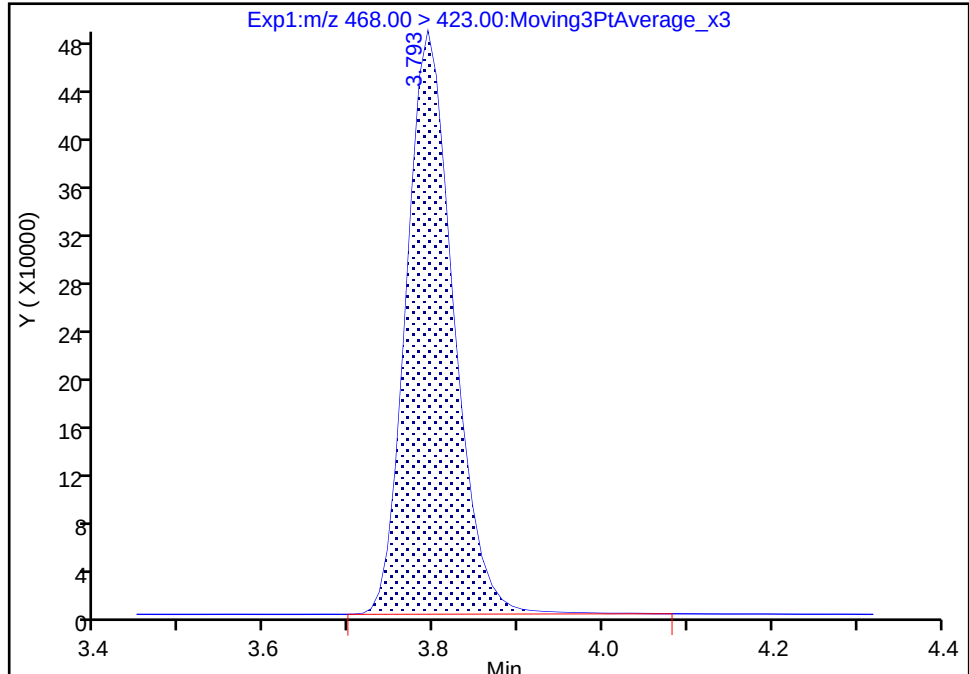
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B05.d		
Injection Date:	11-Aug-2022 19:03:54	Instrument ID:	LC812
Lims ID:	460-263208-A-2-A	Lab Sample ID:	200-263208-2
Client ID:	BCS-09-33 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	5

D 19 13C5 PFNA, CAS: STL00995

Signal: 1

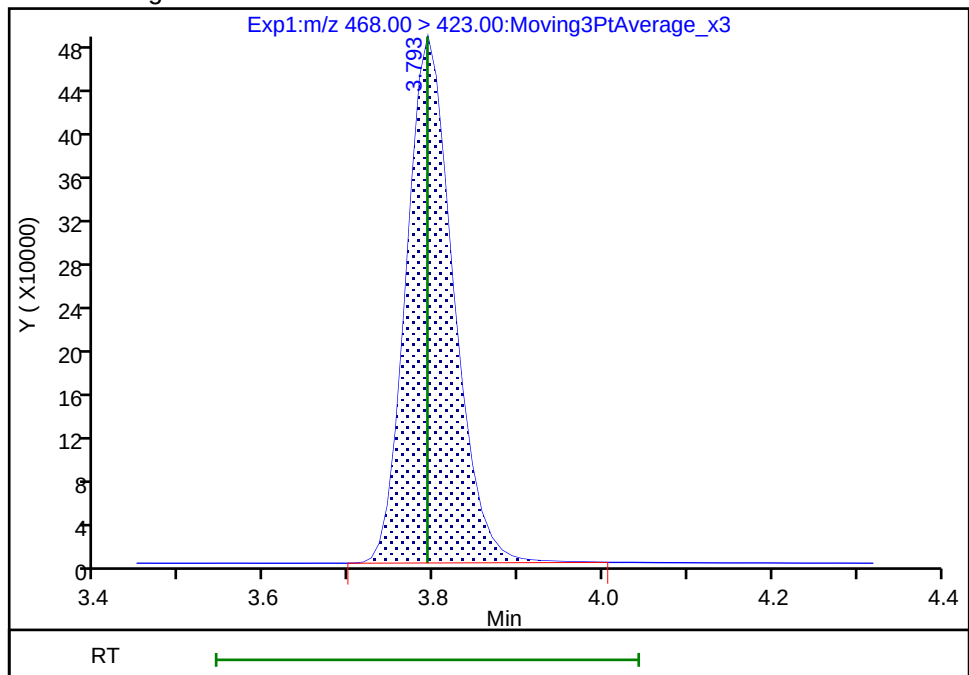
RT: 3.79
Area: 1850178
Amount: 1.205393
Amount Units: ng/ml

Processing Integration Results



RT: 3.79
Area: 1846182
Amount: 1.202790
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:29:13

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

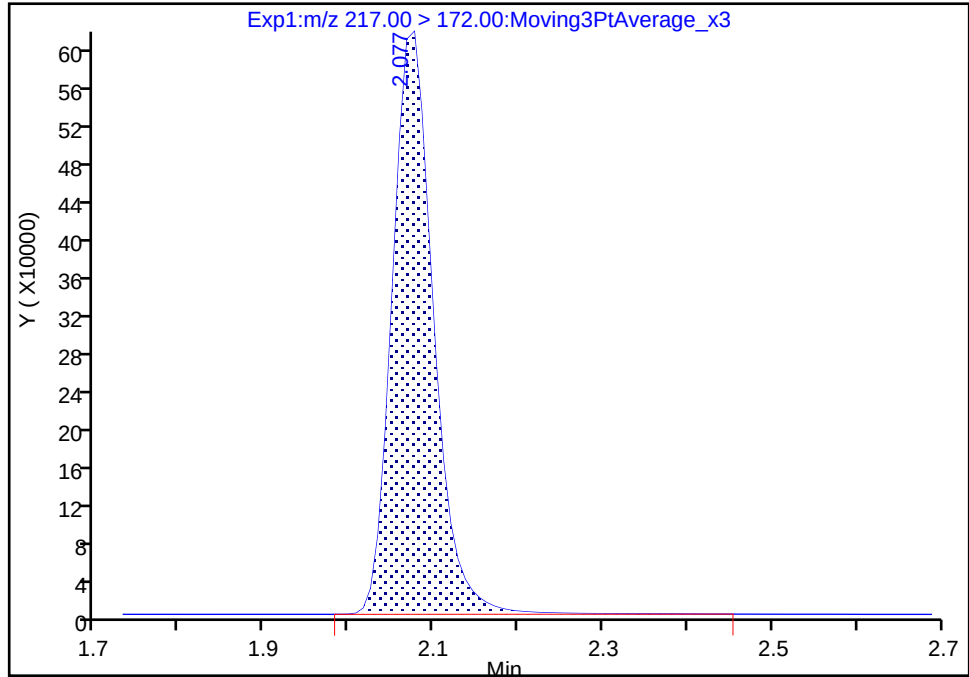
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B05.d		
Injection Date:	11-Aug-2022 19:03:54	Instrument ID:	LC812
Lims ID:	460-263208-A-2-A	Lab Sample ID:	200-263208-2
Client ID:	BCS-09-33 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	5

D 1 13C4 PFBA, CAS: STL00992

Signal: 1

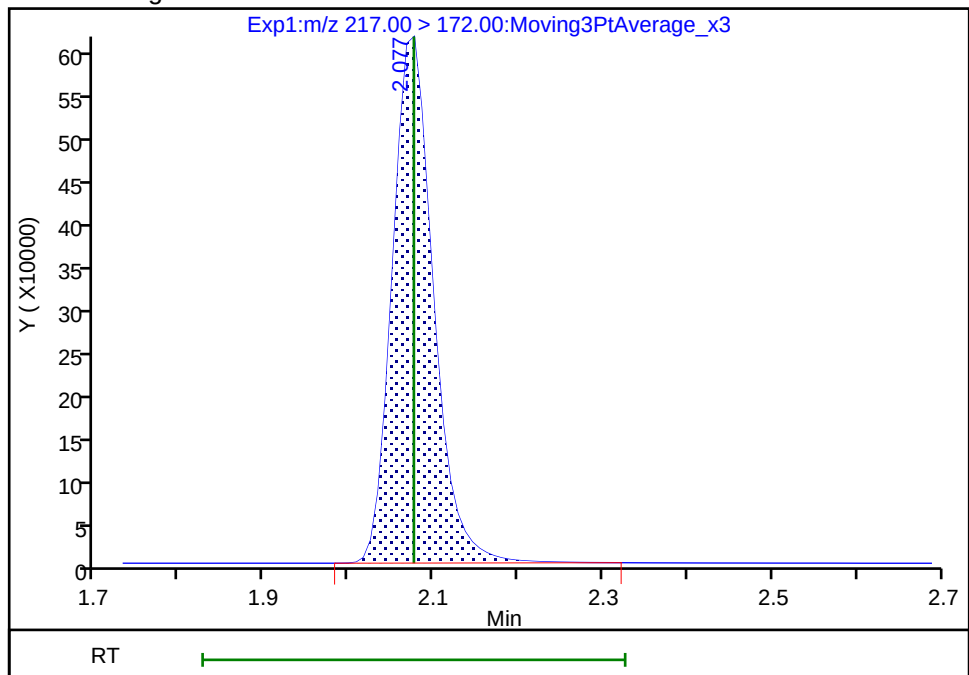
RT: 2.08
Area: 2065511
Amount: 1.140265
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 2059614
Amount: 1.137009
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 09:46:50
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

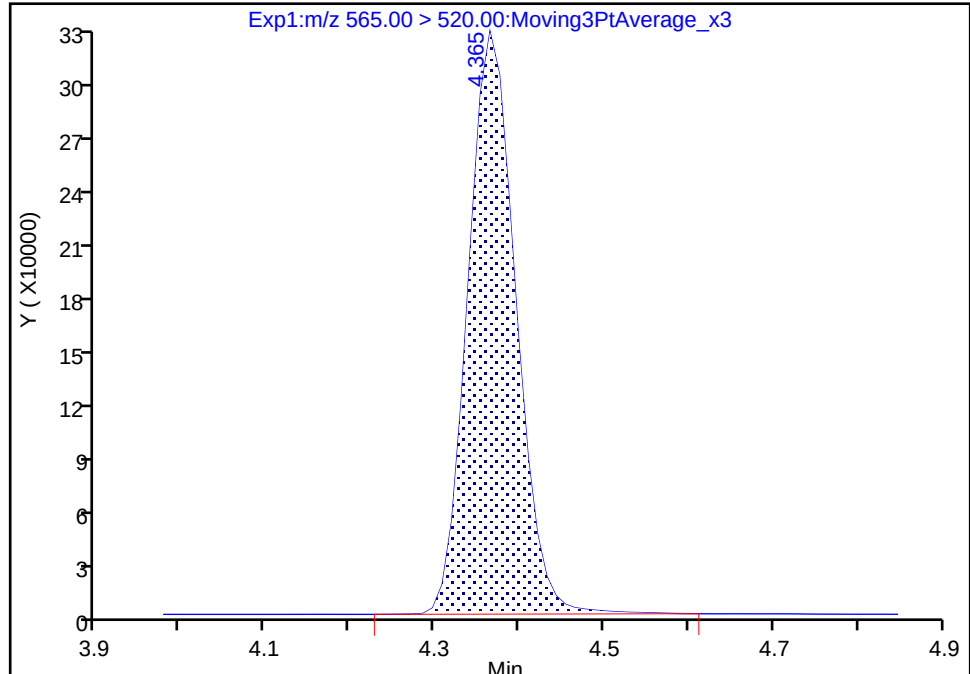
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B05.d		
Injection Date:	11-Aug-2022 19:03:54	Instrument ID:	LC812
Lims ID:	460-263208-A-2-A	Lab Sample ID:	200-263208-2
Client ID:	BCS-09-33 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	5

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

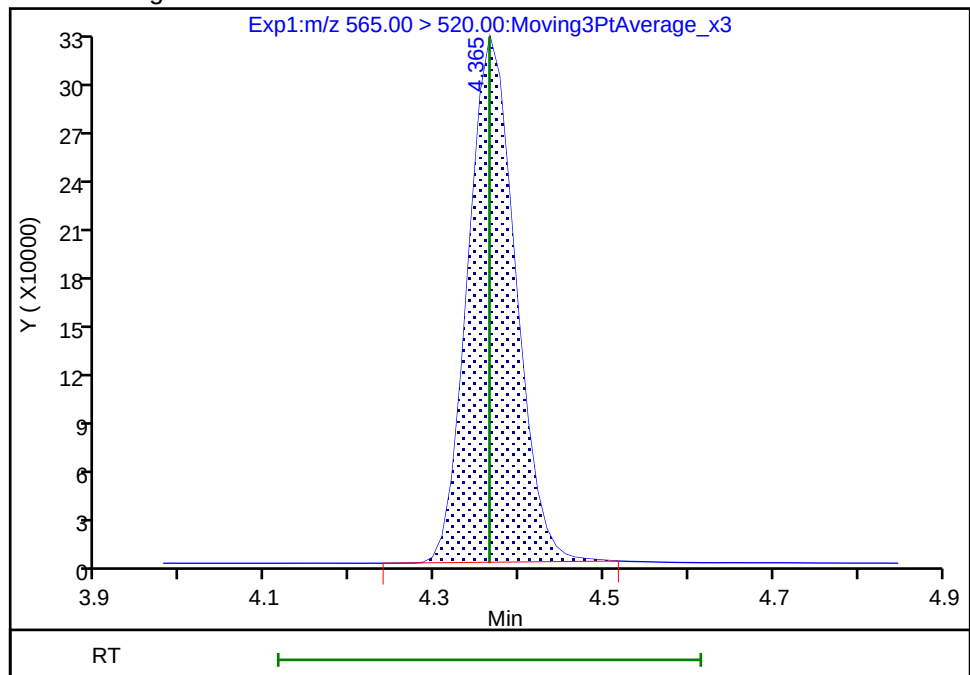
RT: 4.36
Area: 1268783
Amount: 1.120988
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 1257246
Amount: 1.110795
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 09:47:51

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

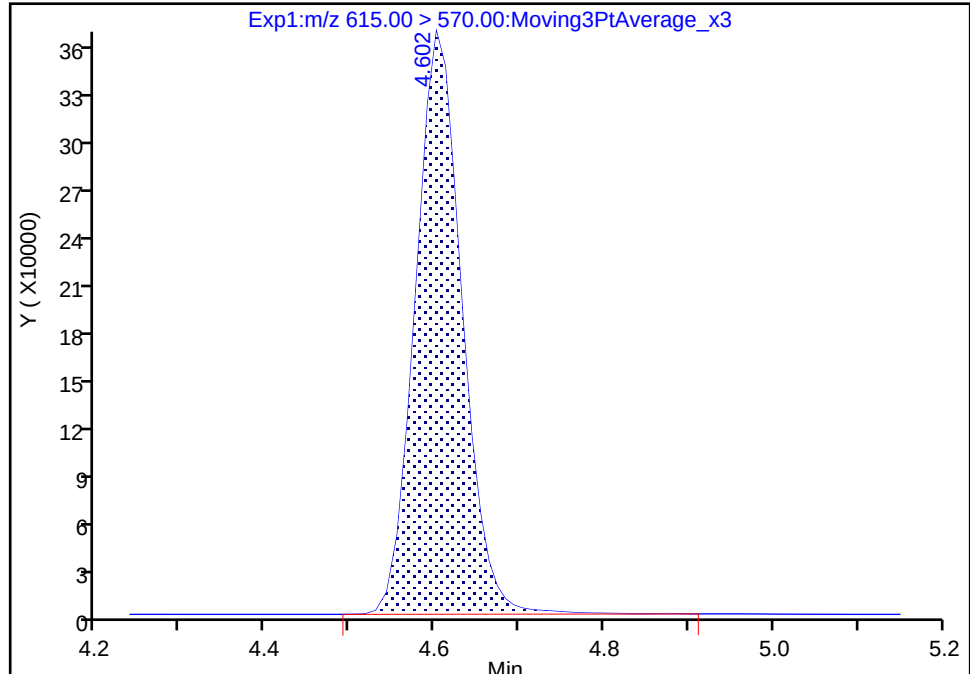
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B05.d		
Injection Date:	11-Aug-2022 19:03:54	Instrument ID:	LC812
Lims ID:	460-263208-A-2-A	Lab Sample ID:	200-263208-2
Client ID:	BCS-09-33 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	5

D 36 13C2 PFD_oA, CAS: STL00998

Signal: 1

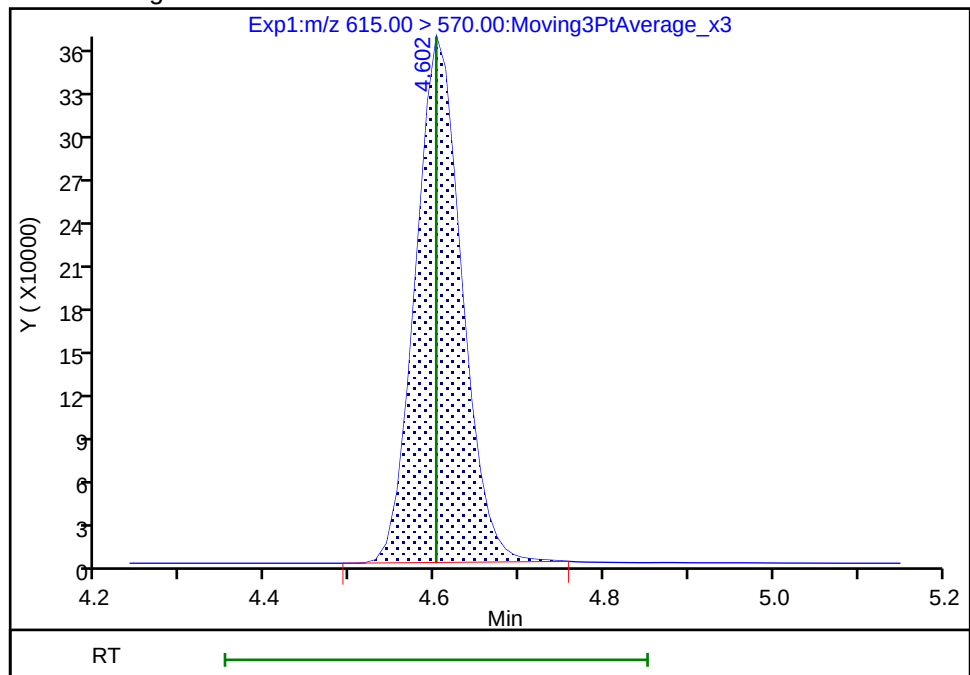
RT: 4.60
Area: 1380667
Amount: 1.177177
Amount Units: ng/ml

Processing Integration Results



RT: 4.60
Area: 1369077
Amount: 1.167295
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 09:48:00

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

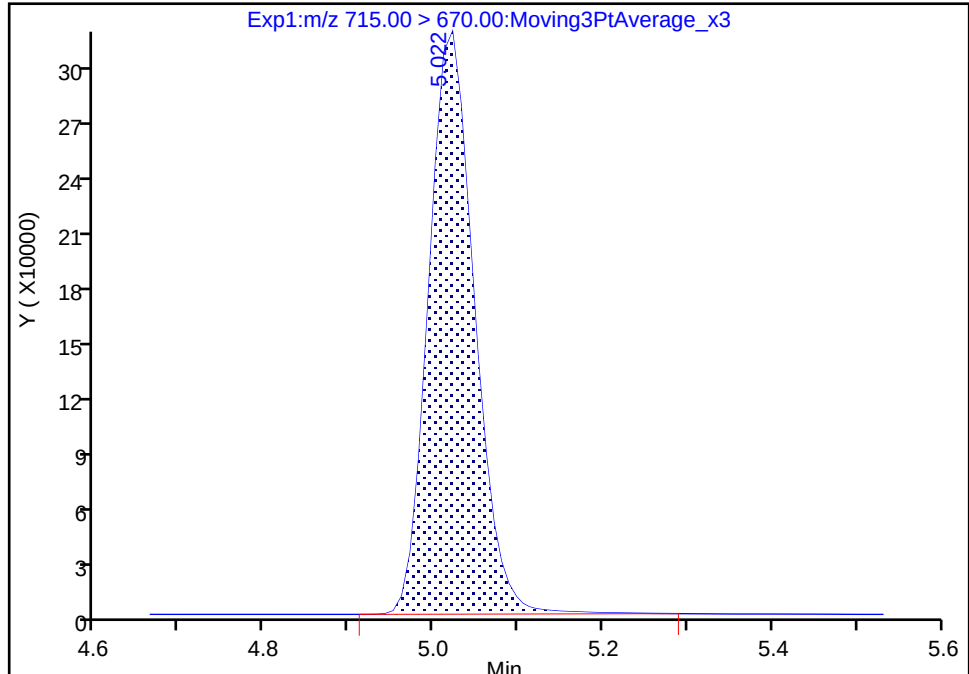
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B05.d		
Injection Date:	11-Aug-2022 19:03:54	Instrument ID:	LC812
Lims ID:	460-263208-A-2-A	Lab Sample ID:	200-263208-2
Client ID:	BCS-09-33 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	5

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

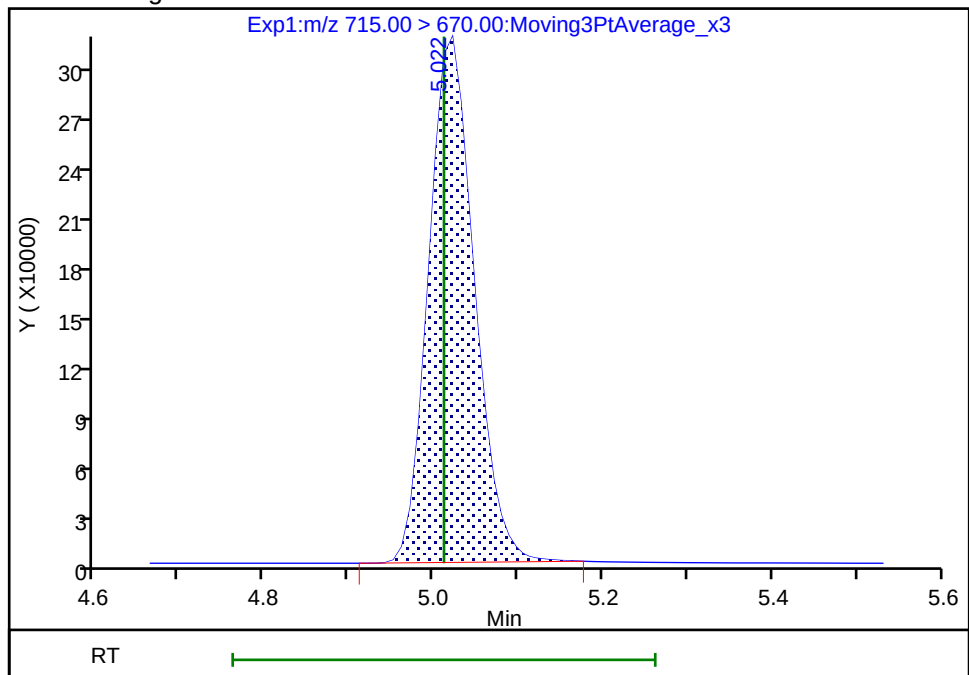
RT: 5.02
Area: 1192854
Amount: 1.244135
Amount Units: ng/ml

Processing Integration Results



RT: 5.02
Area: 1183083
Amount: 1.233944
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 09:48:06
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

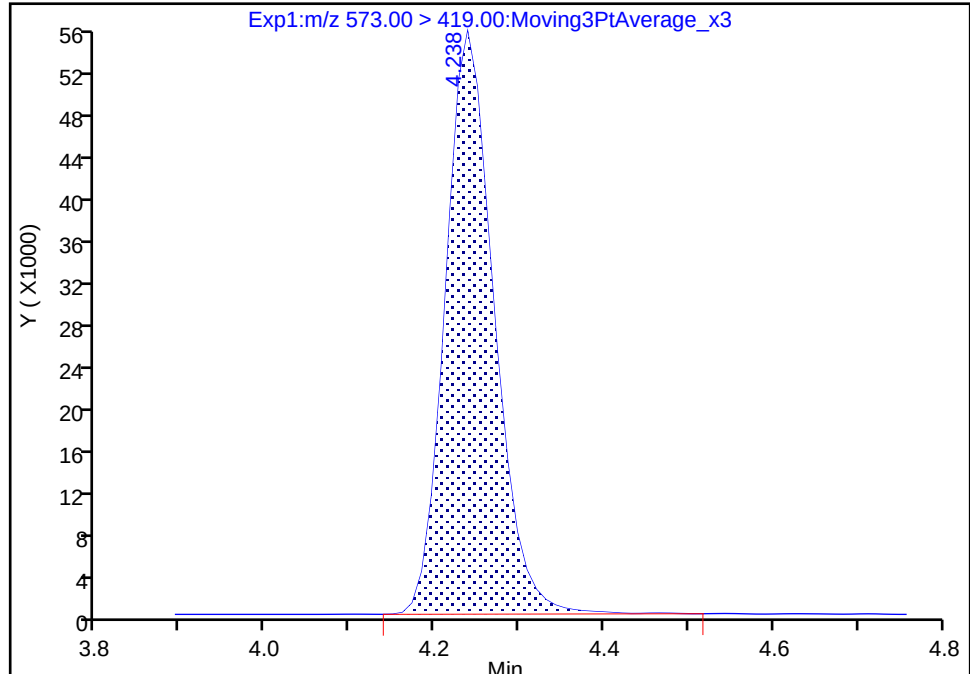
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B05.d		
Injection Date:	11-Aug-2022 19:03:54	Instrument ID:	LC812
Lims ID:	460-263208-A-2-A	Lab Sample ID:	200-263208-2
Client ID:	BCS-09-33 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	5

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

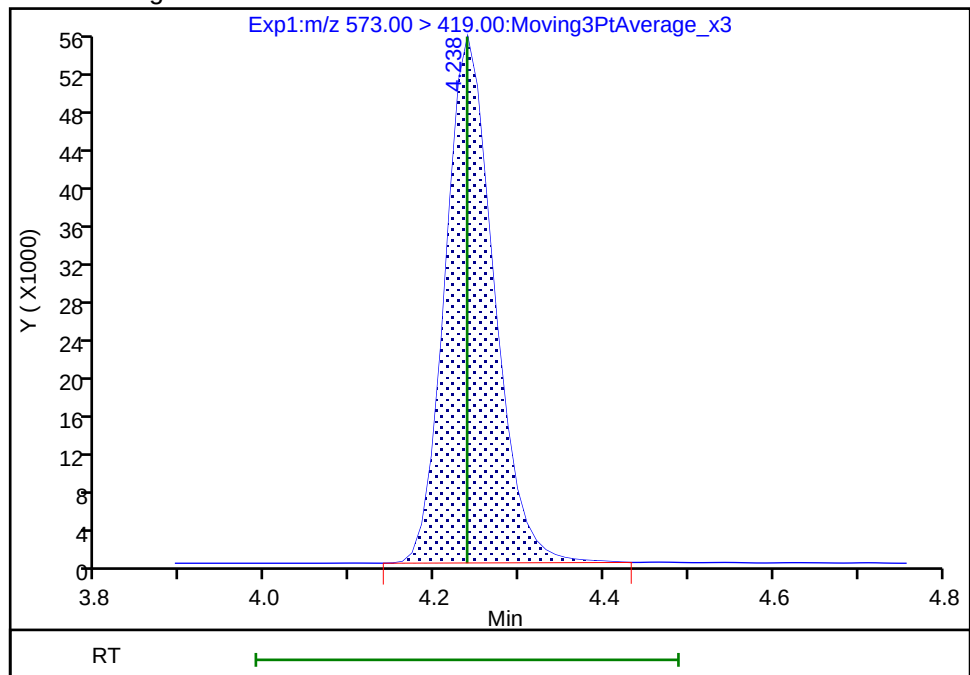
RT: 4.24
Area: 221280
Amount: 1.105180
Amount Units: ng/ml

Processing Integration Results



RT: 4.24
Area: 220800
Amount: 1.102782
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:29:20
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

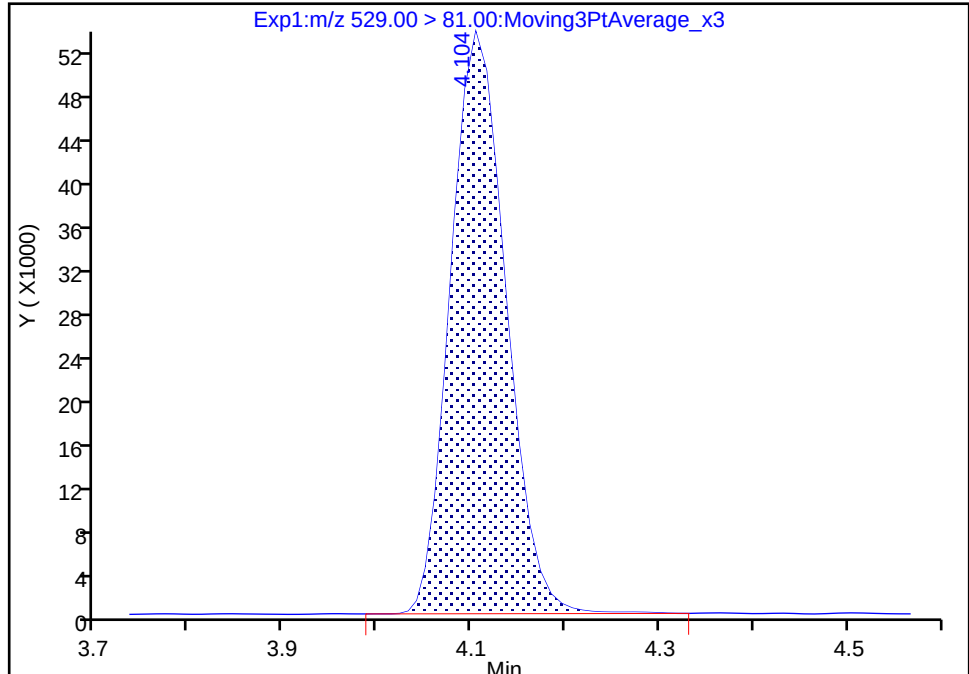
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B05.d		
Injection Date:	11-Aug-2022 19:03:54	Instrument ID:	LC812
Lims ID:	460-263208-A-2-A	Lab Sample ID:	200-263208-2
Client ID:	BCS-09-33 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	5

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

Signal: 1

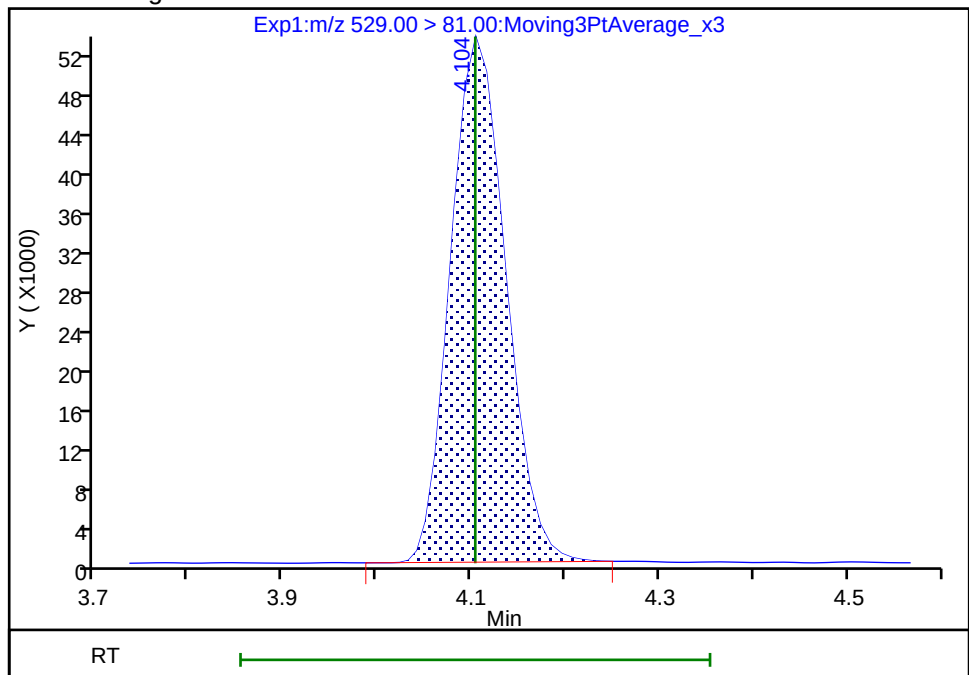
RT: 4.10
Area: 219828
Amount: 0.962724
Amount Units: ng/ml

Processing Integration Results



RT: 4.10
Area: 218559
Amount: 0.957167
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 09:47:40

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

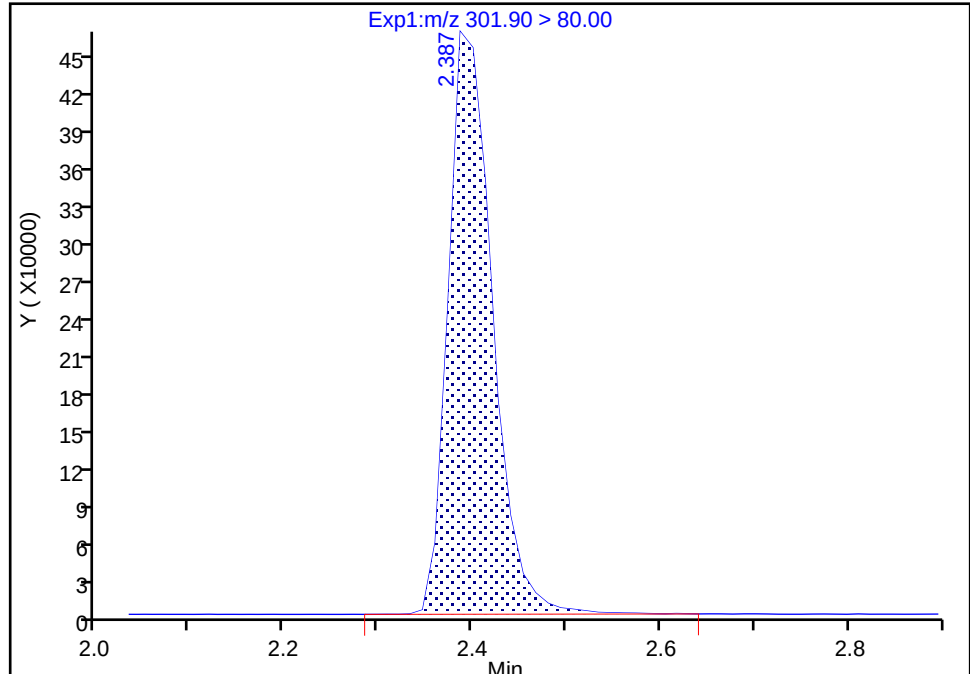
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B05.d		
Injection Date:	11-Aug-2022 19:03:54	Instrument ID:	LC812
Lims ID:	460-263208-A-2-A	Lab Sample ID:	200-263208-2
Client ID:	BCS-09-33 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	5

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

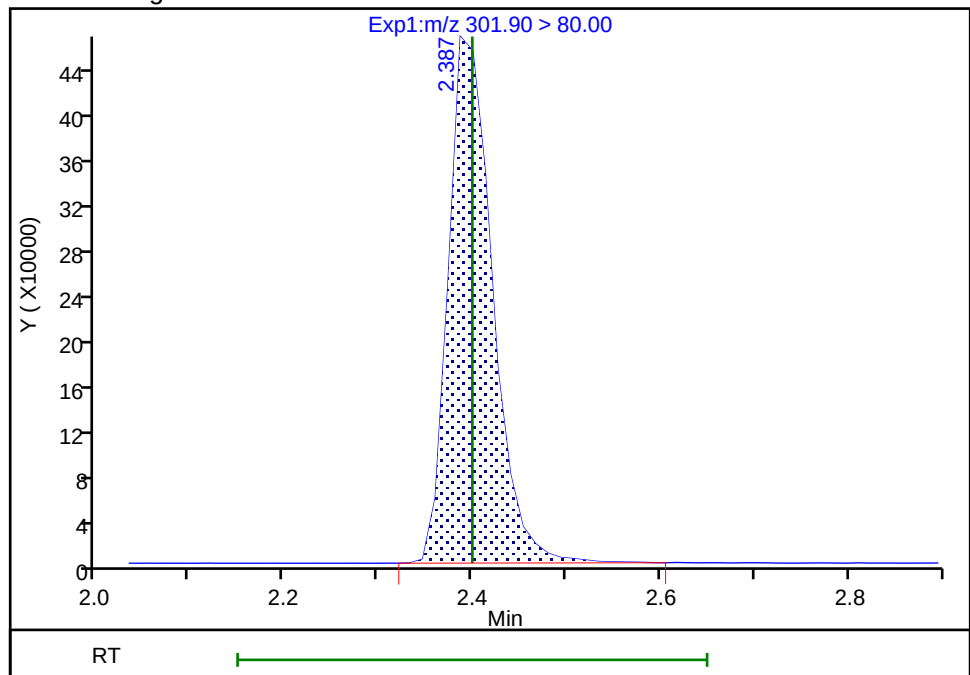
RT: 2.39
Area: 1522020
Amount: 0.944087
Amount Units: ng/ml

Processing Integration Results



RT: 2.39
Area: 1520418
Amount: 0.943094
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:29:00
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-263208-1

SDG No.: _____

Client Sample ID: BCS-09-34 (5-5.5)P Lab Sample ID: 460-263208-3

Matrix: Solid Lab File ID: PA220811B06.d

Analysis Method: 537 (modified) Date Collected: 08/03/2022 13:15

Extraction Method: SHAKE Date Extracted: 08/10/2022 17:30

Sample wt/vol: 5.19(g) Date Analyzed: 08/11/2022 19:12

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

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

% Moisture: 14.1 % Solids: 85.9 GPC Cleanup: (Y/N) N

Cleanup Factor: _____

Analysis Batch No.: 182595 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	0.56	U	0.56	0.37
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.22	U	0.22	0.062
307-24-4	Perfluorohexanoic acid (PFHxA)	0.22	U	0.22	0.052
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.22	U	0.22	0.044
335-67-1	Perfluorooctanoic acid (PFOA)	0.22	U	0.22	0.065
375-95-1	Perfluorononanoic acid (PFNA)	0.22	U	0.22	0.038
335-76-2	Perfluorodecanoic acid (PFDA)	0.22	U	0.22	0.031
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.22	U	0.22	0.030
307-55-1	Perfluorododecanoic acid (PFDoA)	0.22	U	0.22	0.028
72629-94-8	Perfluorotridecanoic acid (PFTriA)	0.22	U	0.22	0.028
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.22	U	0.22	0.029
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.22	U	0.22	0.037
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.22	U	0.22	0.046
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	0.22	U	0.22	0.026
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.22	U	0.22	0.12
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.021	J	0.22	0.021
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.22	U	0.22	0.038
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.24	U	2.24	0.12
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.24	U	2.24	0.093
27619-97-2	6:2 FTS	2.24	U	2.24	0.064
39108-34-4	8:2 FTS	2.24	U	2.24	0.041

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-263208-1

SDG No.: _____

Client Sample ID: BCS-09-34 (5-5.5)P Lab Sample ID: 460-263208-3

Matrix: Solid Lab File ID: PA220811B06.d

Analysis Method: 537 (modified) Date Collected: 08/03/2022 13:15

Extraction Method: SHAKE Date Extracted: 08/10/2022 17:30

Sample wt/vol: 5.19(g) Date Analyzed: 08/11/2022 19:12

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

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

% Moisture: 14.1 % Solids: 85.9 GPC Cleanup: (Y/N) N

Cleanup Factor: _____

Analysis Batch No.: 182595 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	99		50-150
STL00991	13C4 PFOS	87		50-150
STL00995	13C5 PFNA	92		50-150
STL00992	13C4 PFBA	93		50-150
STL00993	13C2 PFHxA	98		50-150
STL00996	13C2 PFDA	94		50-150
STL00997	13C2 PFUnA	91		50-150
STL00998	13C2 PFDoA	92		50-150
STL01056	13C8 FOSA	76		50-150
STL01893	13C5 PFPeA	96		50-150
STL02116	13C2 PFTeDA	92		50-150
STL02118	d3-NMeFOSAA	88		50-150
STL02117	d5-NEtFOSAA	86		50-150
STL02279	M2-6:2 FTS	93		50-150
STL02280	M2-8:2 FTS	92		50-150
STL02337	13C3 PFBS	90		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B06.d
 Lims ID: 460-263208-A-3-A
 Client ID: BCS-09-34 (5-5.5)P
 Sample Type: Client
 Inject. Date: 11-Aug-2022 19:12:05 ALS Bottle#: 6 Worklist Smp#: 6
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: 460-263208-A-3-A
 Misc. Info.: 200-0052043-006 Plate: 1 Rack: 2
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 12-Aug-2022 12:19:48 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: CTX1609

First Level Reviewer: nampitakw Date: 12-Aug-2022 08:41:44

Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.076	2.076	0.0	0.599	2163780	1.16		93.0	9054	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.076	2.076	0.0	1.000	30455	0.0181			3.2	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.386	2.386	0.0	0.689	1713402	1.20		95.8	3466	
4 Perfluoropentanoic acid										
262.90 > 219.00	2.386	2.386	0.0	1.000	22702	0.0161			0.7	
D 47 13C3 PFBS										M
301.90 > 80.00	2.400	2.400	0.0	0.693	1741476	1.05		90.4	189647	M
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.400	2.413	-0.013	1.000	4137	0.002502	Target=2.23		4.1	M
298.90 > 99.00	2.413	2.413	0.0	1.006	2022		2.05(1.11-3.34)		1.4	M
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.737	2.737	0.0	1.000	27481	0.0188	Target=12.24		5.5	M
313.00 > 119.00	2.737	2.737	0.0	1.000	2215		12.41(6.12-18.36)		3.5	M
D 7 13C2 PFHxA										M
315.00 > 270.00	2.737	2.737	0.0	0.790	1753980	1.23		98.2	3745	M
D 11 18O2 PFHxS										M
403.00 > 84.00	3.098	3.098	0.0	0.895	1282260	1.10		93.1	2100	M
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.110	3.098	0.012	1.004	5850	0.004891	Target=3.43		15.6	M
399.00 > 99.00	3.098	3.098	0.0	1.000	1955		2.99(1.72-5.15)		2.8	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.110	3.098	0.012	0.898	1834778	1.24		99.0	2595	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.110	3.110	0.0	1.000	10980	0.007258	Target=3.73		3.3	
363.00 > 169.00	3.110	3.110	0.0	1.000	2943		3.73(1.86-5.59)		6.2	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	3.446	3.447	-0.001	0.995	214831	1.10		92.8	616	
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.438	3.447	-0.009	0.997	1120	-0.0126			5.1	M
D 14 13C4 PFOA										
417.00 > 372.00	3.464	3.456	0.008	1.000	1872927	1.23		98.6	2776	
* 62 13C2 PFOA										
415.00 > 370.00	3.464	3.456	0.008		1993237	1.25			3382	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.464	3.456	0.008	1.000	20018	0.0119	Target=2.67		2.3	M
413.00 > 169.00	3.464	3.456	0.008	1.000	7764		2.58(1.34-4.01)		19.8	M
D 18 13C4 PFOS										
503.00 > 80.00	3.782	3.773	0.009	1.092	904043	1.04		87.0	3483	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.782	3.773	0.009	1.000	7300	-0.008774	Target=4.88		6.0	M
499.00 > 99.00	3.652	3.773	-0.121	0.966	2334		3.13(2.44-7.32)		5.3	M
20 Perfluorononanoic acid										RM
463.00 > 419.00	3.801	3.792	0.009	1.003	4790	0.003236	Target=8.23		1.7	RM
463.00 > 169.00	3.791	3.792	-0.001	1.000	303		15.81(4.11-12.34)		5.3	M
D 19 13C5 PFNA										M
468.00 > 423.00	3.791	3.792	-0.001	1.095	1818646	1.15		92.3	2649	M
D 23 13C2 PFDA										
515.00 > 470.00	4.104	4.092	0.012	1.185	1797156	1.17		93.7	3994	
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.104	4.092	0.012	1.000	4366	0.002887	Target=9.67		2.9	M
513.00 > 169.00	4.115	4.092	0.023	1.003	591		7.39(4.83-14.50)		3.8	M
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.115	4.092	0.023	1.003	245	0.001173			6.6	M
D 26 M2-8:2 FTS										M
529.00 > 81.00	4.104	4.104	0.0	1.185	259023	1.10		92.2	840	M
D 21 13C8 FOSA										
506.00 > 78.00	4.161	4.150	0.011	1.201	1282567	0.9549		76.4	2032	
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.173	4.161	0.012	1.003	1890	0.001808			9.6	M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.249	4.238	0.011	1.227	226016	1.10		87.9	885	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.249	4.238	0.011	1.000	524	0.003263			2.1	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.342	4.330	0.012	1.148	4120	0.009347	Target=2.80		9.8	
599.00 > 99.00	4.342	4.330	0.012	1.148	2466		1.67(1.40-4.20)		19.0	M
D 30 13C2 PFUnA										M
565.00 > 520.00	4.376	4.364	0.012	1.263	1321715	1.14		90.9	1376	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.376	4.376	0.0	1.263	208374	1.07		85.6	925	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.387	4.376	0.011	1.003	1052	0.006951			12.4	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 36 13C2 PFDaA										M
615.00 > 570.00	4.612	4.601	0.011	1.331	1390781	1.15		92.3	1633	M
37 Perfluorododecanoic acid										RM
613.00 > 569.00	4.601	4.601	0.0	0.998	1947	0.001726	Target=6.97		0.3	RM
613.00 > 169.00	4.601	4.601	0.0	0.998	155		12.56(3.48-10.45)		2.8	M
D 43 13C2 PFTeDA										M
715.00 > 670.00	5.022	5.012	0.010	1.450	1136672	1.15		92.3	2086	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.022	5.012	0.010	1.000	150	0.001030	Target=0.94		4.5	M
713.00 > 219.00	5.022	5.012	0.010	1.000	193		0.78(0.47-1.41)		5.0	M

QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B06.d

Injection Date: 11-Aug-2022 19:12:05

Instrument ID: LC812

Lims ID: 460-263208-A-3-A

Lab Sample ID: 200-263208-3

Client ID: BCS-09-34 (5-5.5)P

Operator ID: lc812tech

ALS Bottle#: 6

Worklist Smp#: 6

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

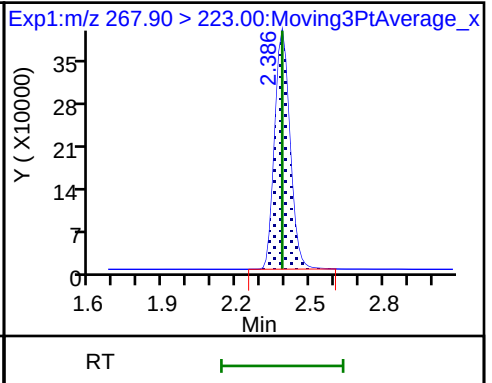
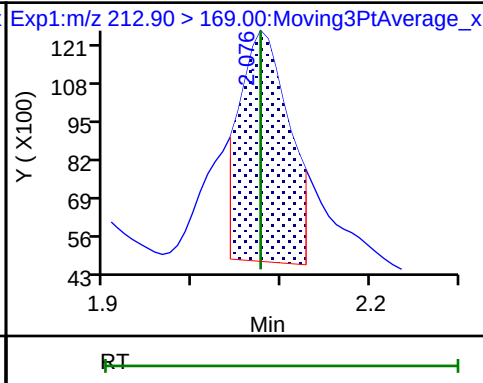
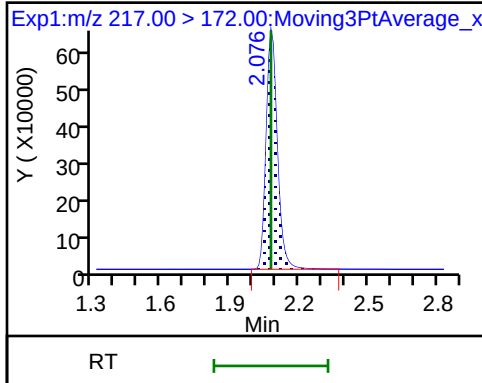
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

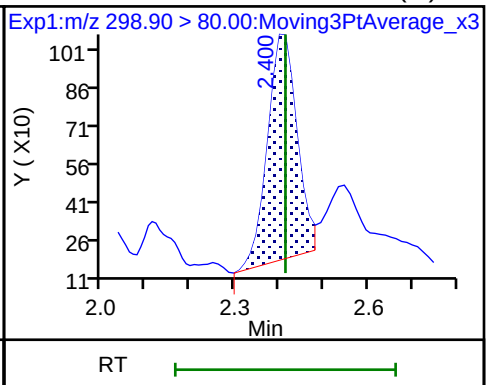
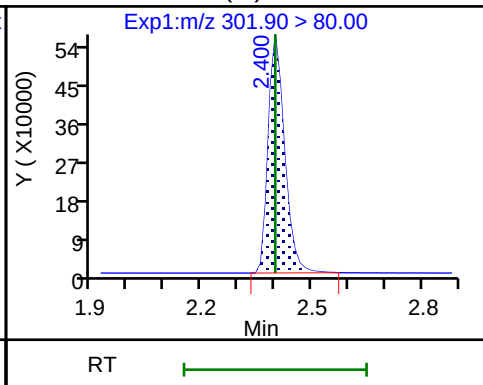
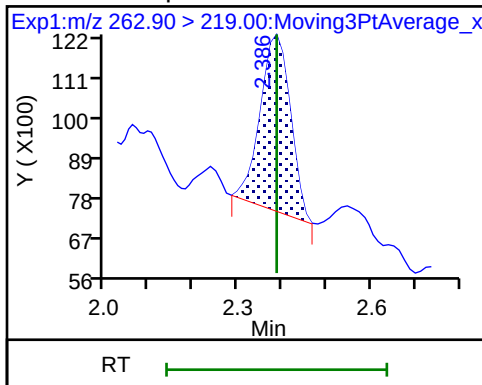
D 3 13C5 PFPeA



4 Perfluoropentanoic acid

D 47 13C3 PFBS (M)

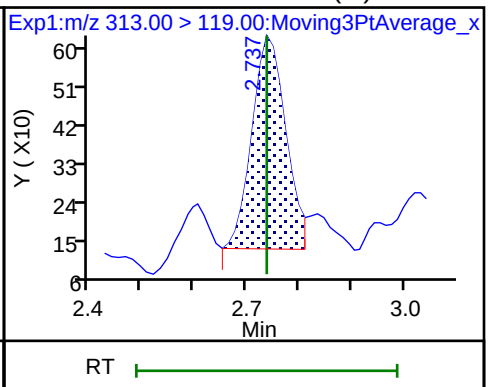
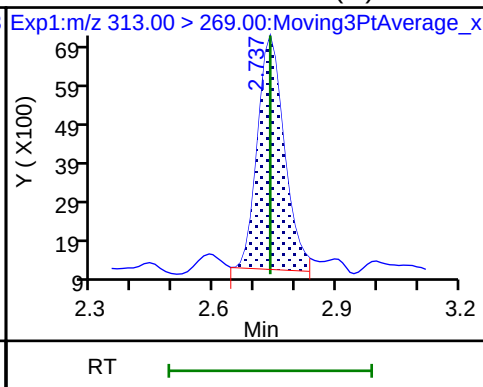
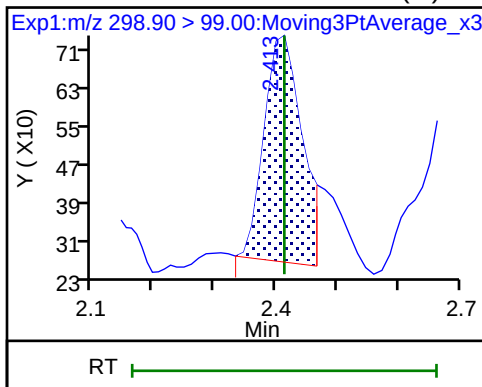
5 Perfluorobutanesulfonic acid (M)



5 Perfluorobutanesulfonic acid (M)

6 Perfluorohexanoic acid (M)

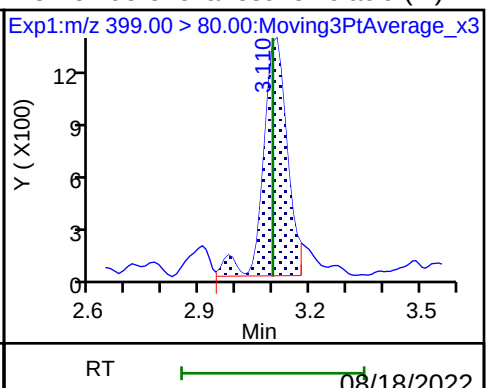
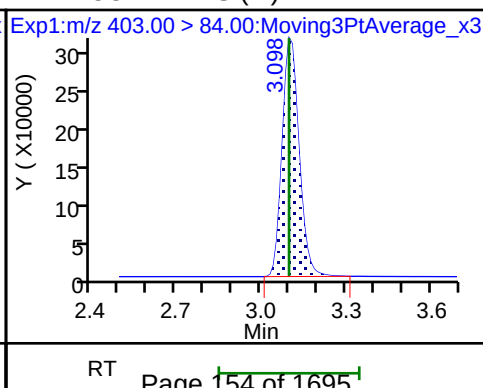
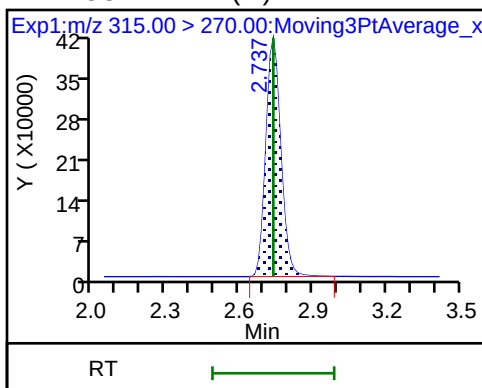
6 Perfluorohexanoic acid (M)

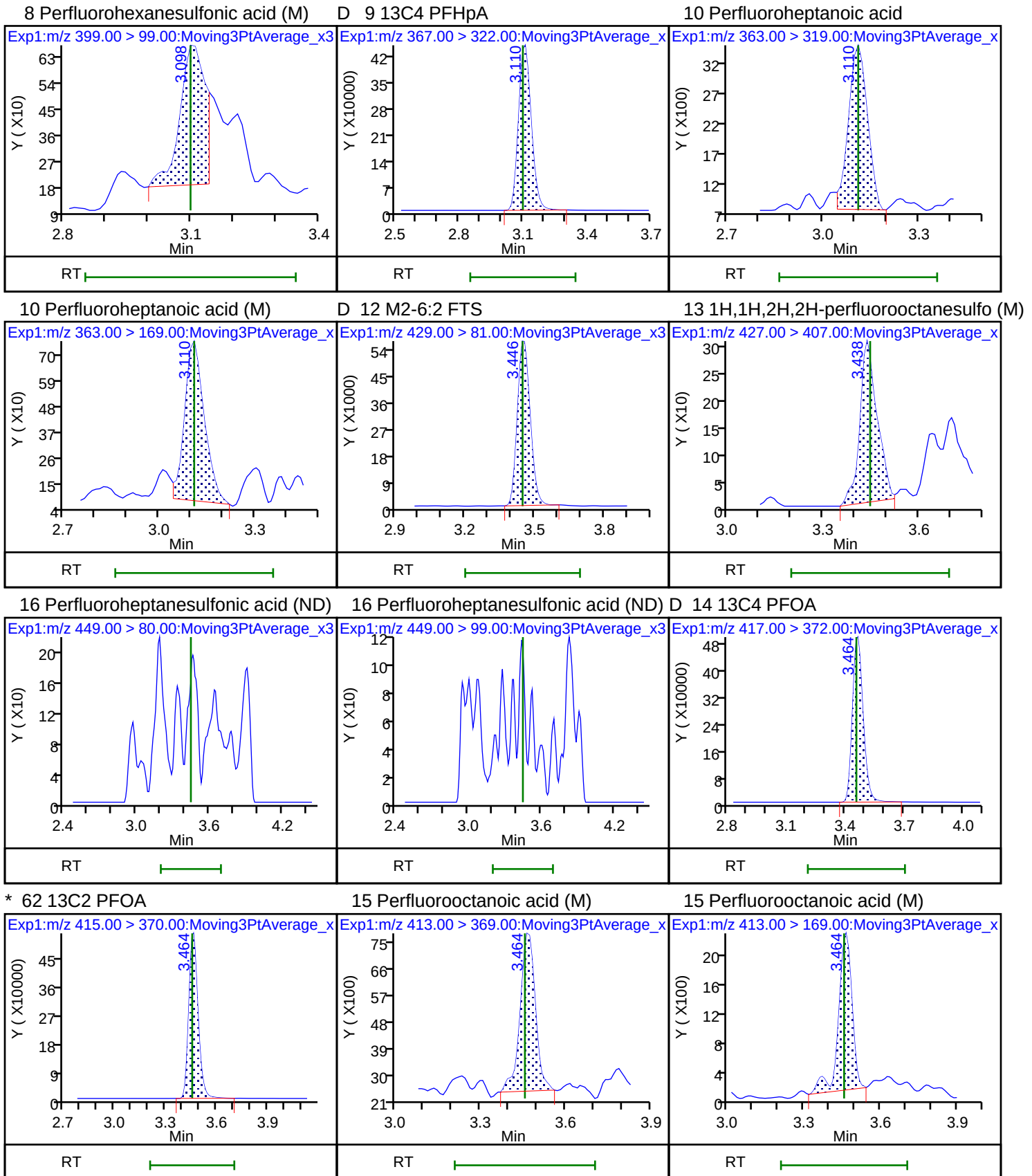


D 7 13C2 PFHxA (M)

D 11 18O2 PFHxS (M)

8 Perfluorohexanesulfonic acid (M)

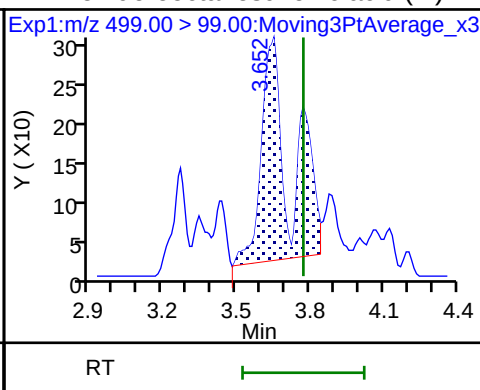
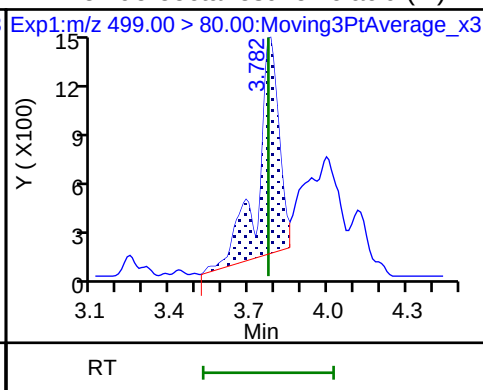
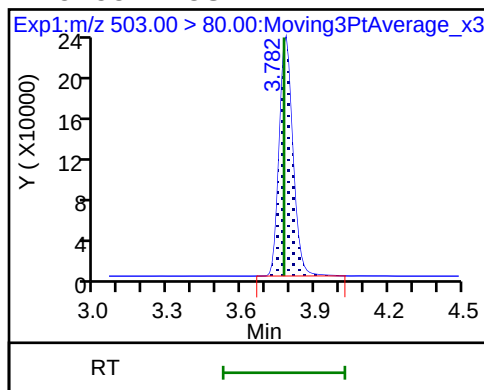




D 18 13C4 PFOS

17 Perfluorooctanesulfonic acid (M)

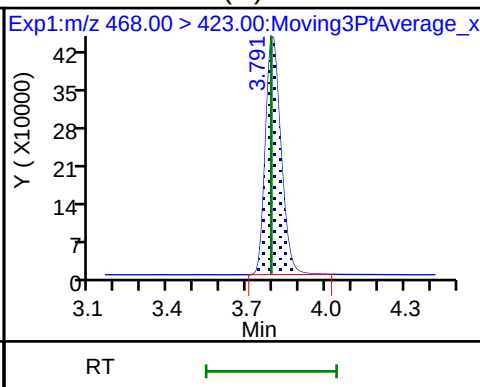
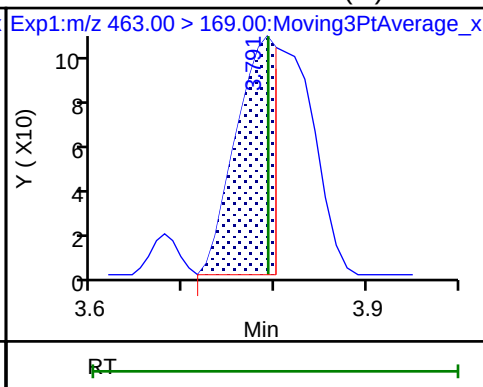
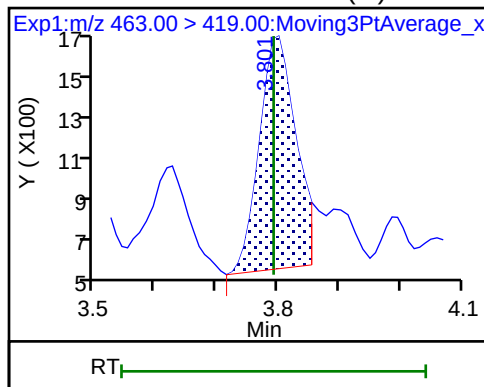
17 Perfluorooctanesulfonic acid (M)



20 Perfluorononanoic acid (M)

20 Perfluorononanoic acid (M)

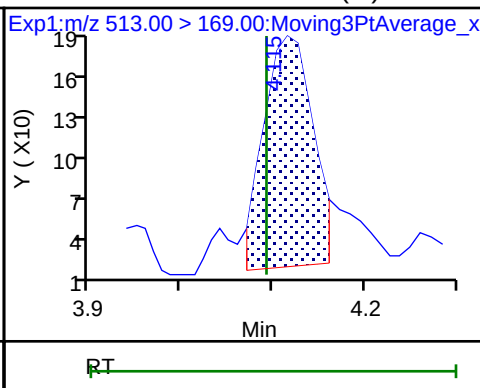
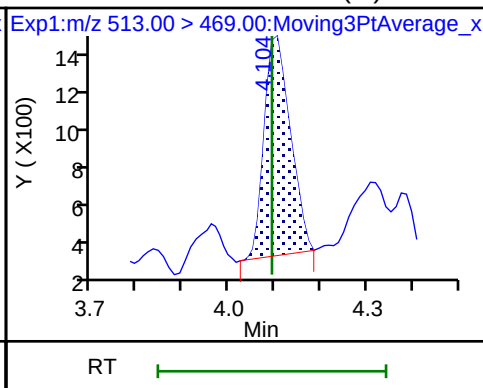
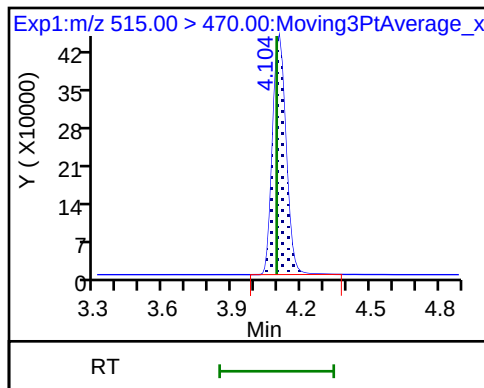
D 19 13C5 PFNA (M)



D 23 13C2 PFDA

24 Perfluorodecanoic acid (M)

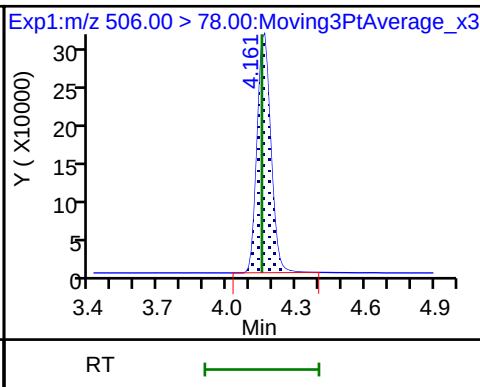
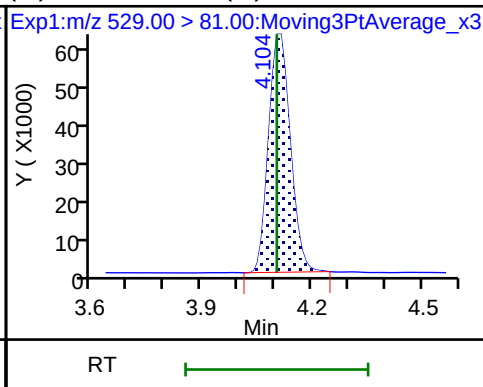
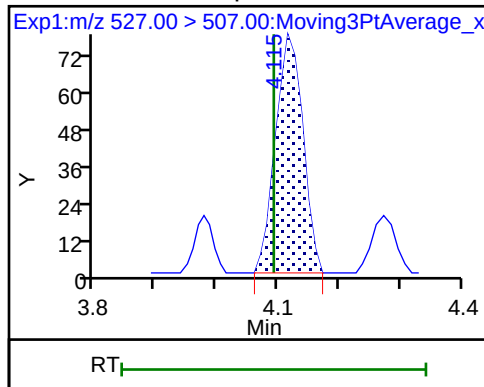
24 Perfluorodecanoic acid (M)

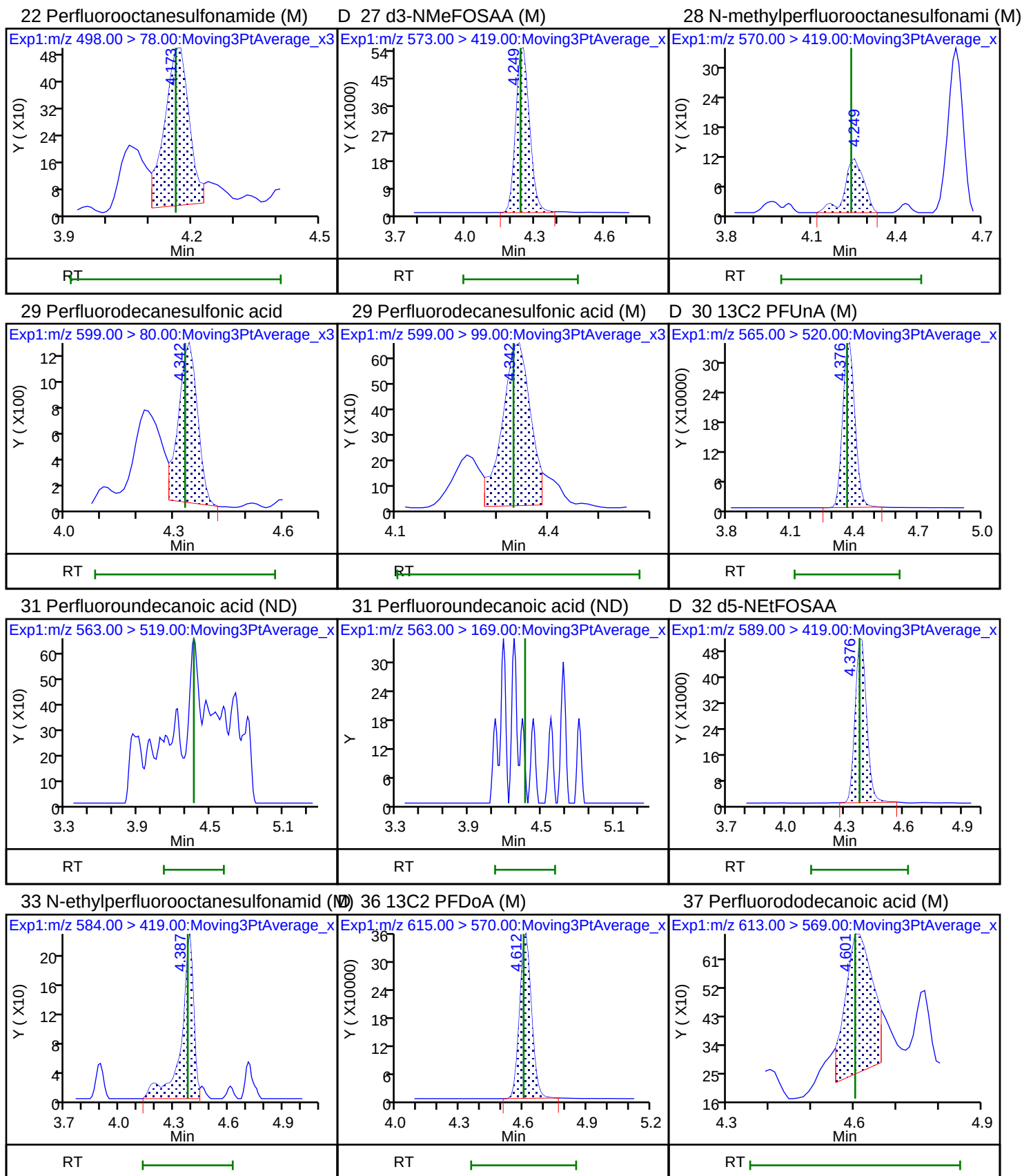


25 1H,1H,2H,2H-perfluorodecanesulfonic acid (M)

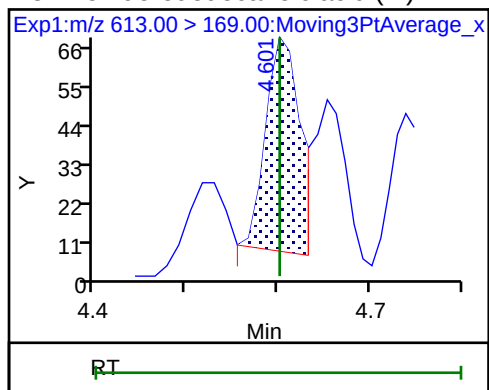
D 26 M2-8:2 FTS (M)

D 21 13C8 FOSA

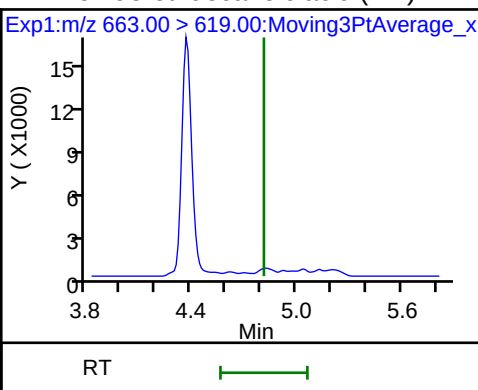




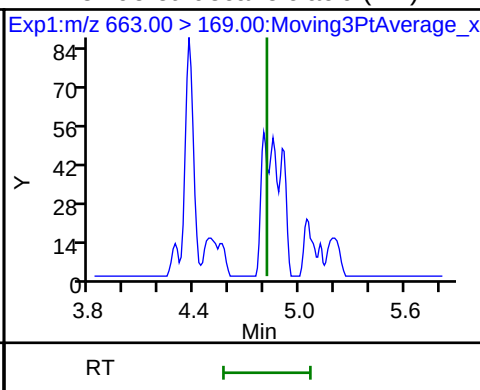
37 Perfluorododecanoic acid (M)



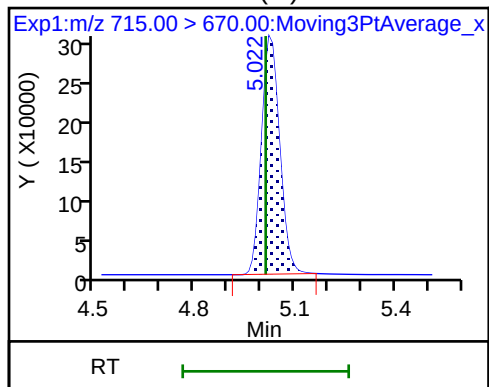
41 Perfluorotridecanoic acid (ND)



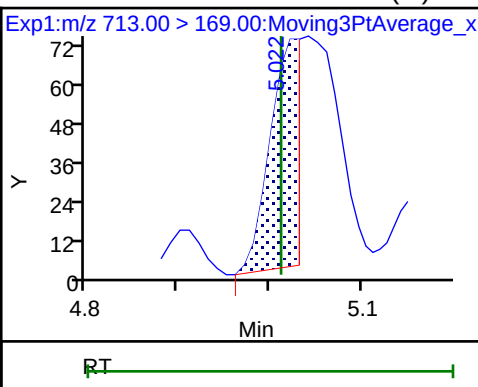
41 Perfluorotridecanoic acid (ND)



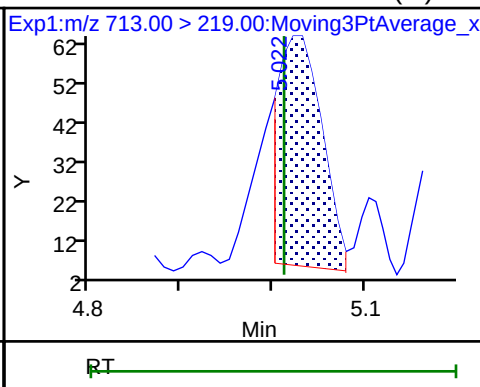
D 43 13C2 PFTeDA (M)



42 Perfluorotetradecanoic acid (M)



42 Perfluorotetradecanoic acid (M)



Eurofins Burlington

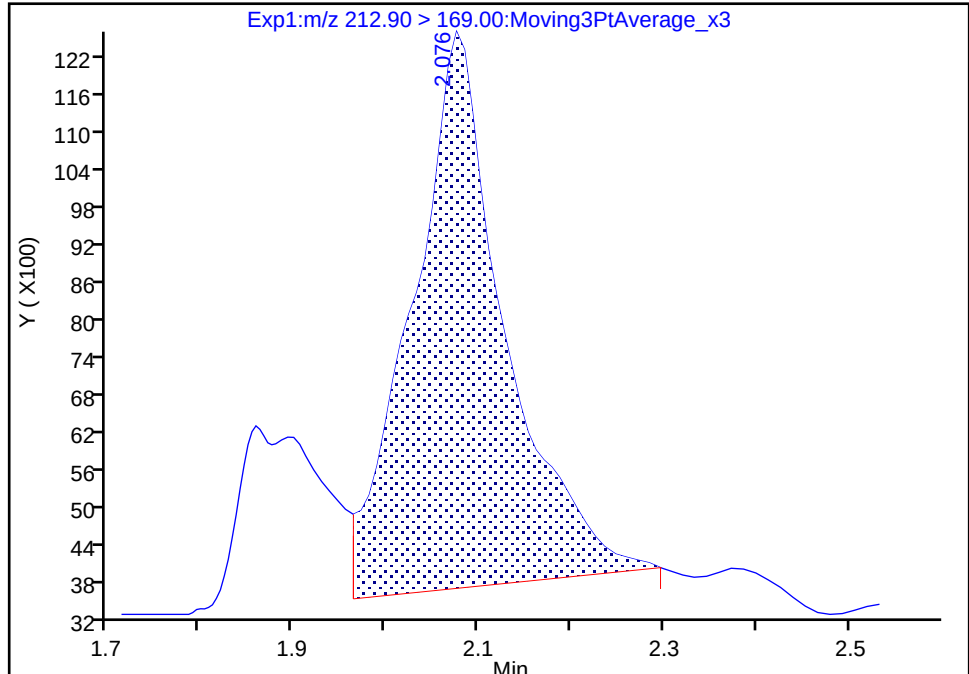
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B06.d		
Injection Date:	11-Aug-2022 19:12:05	Instrument ID:	LC812
Lims ID:	460-263208-A-3-A	Lab Sample ID:	200-263208-3
Client ID:	BCS-09-34 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	6

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

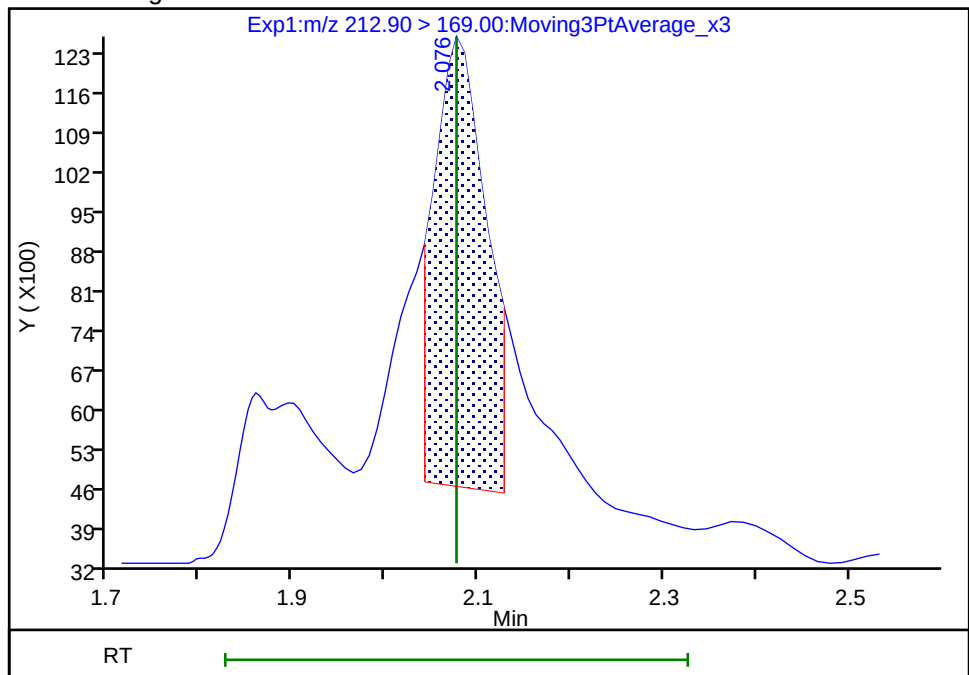
RT: 2.08
Area: 62060
Amount: 0.036972
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 30455
Amount: 0.018144
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:36:40
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

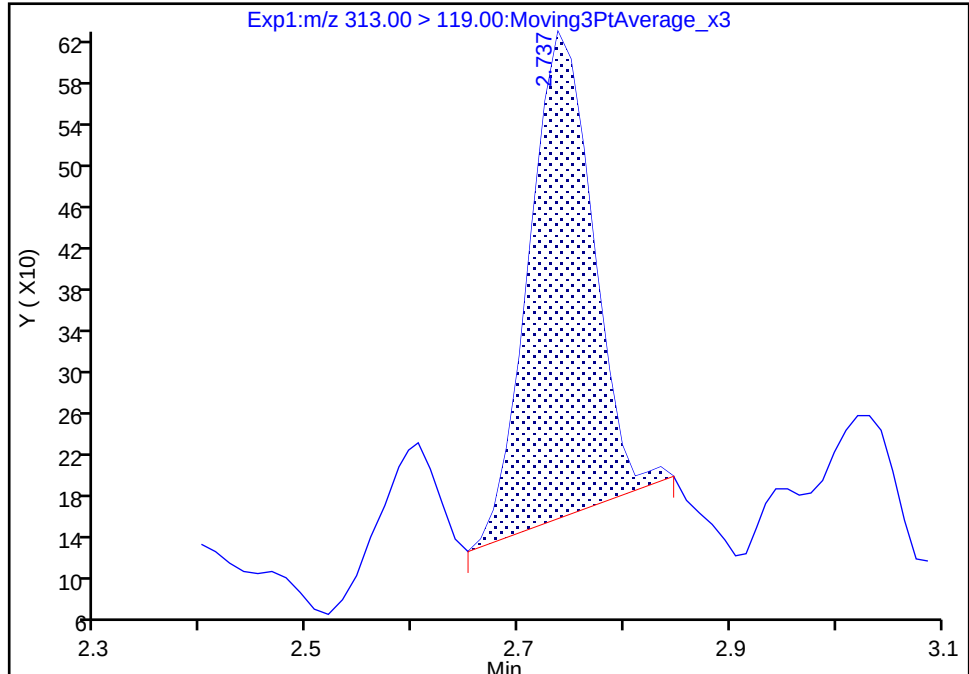
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B06.d		
Injection Date:	11-Aug-2022 19:12:05	Instrument ID:	LC812
Lims ID:	460-263208-A-3-A	Lab Sample ID:	200-263208-3
Client ID:	BCS-09-34 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	6

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

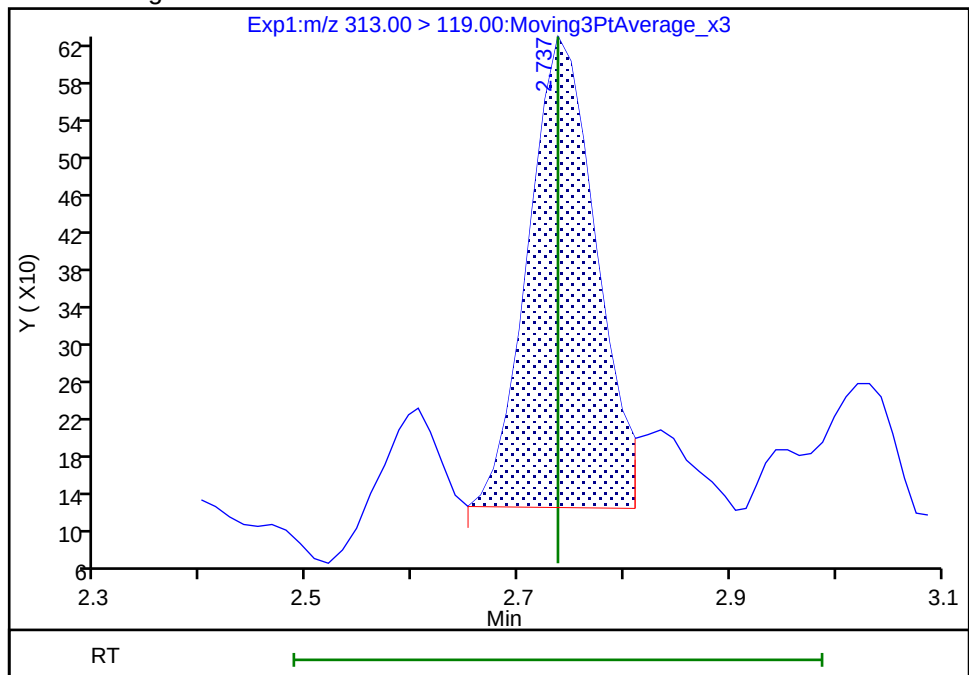
RT: 2.74
Area: 1952
Amount: 0.019912
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 2215
Amount: 0.018769
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:37:25
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

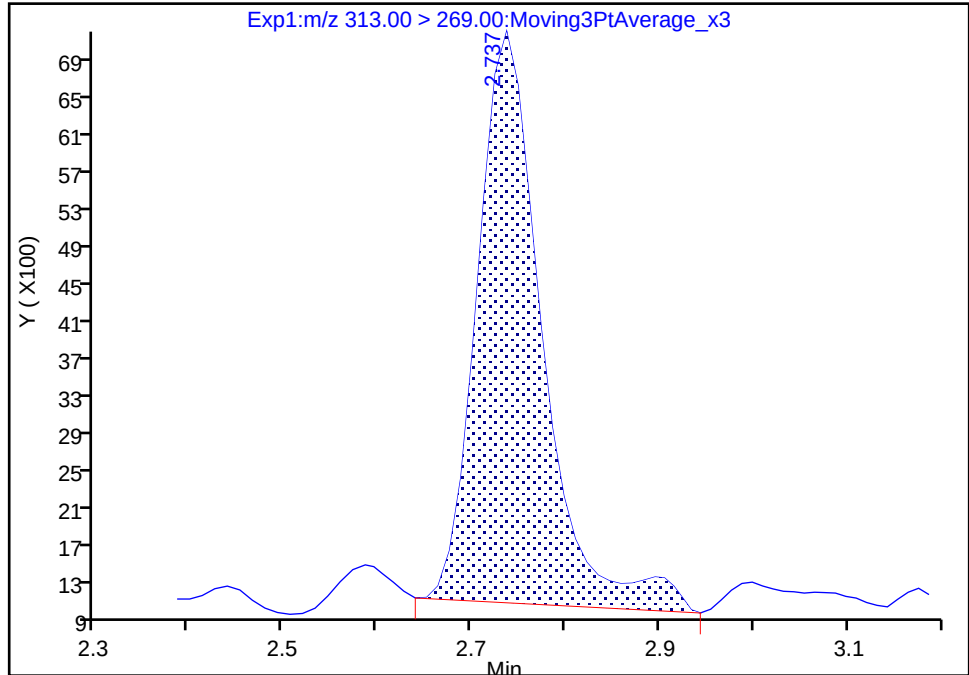
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B06.d
Injection Date: 11-Aug-2022 19:12:05 Instrument ID: LC812
Lims ID: 460-263208-A-3-A Lab Sample ID: 200-263208-3
Client ID: BCS-09-34 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. 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: 1

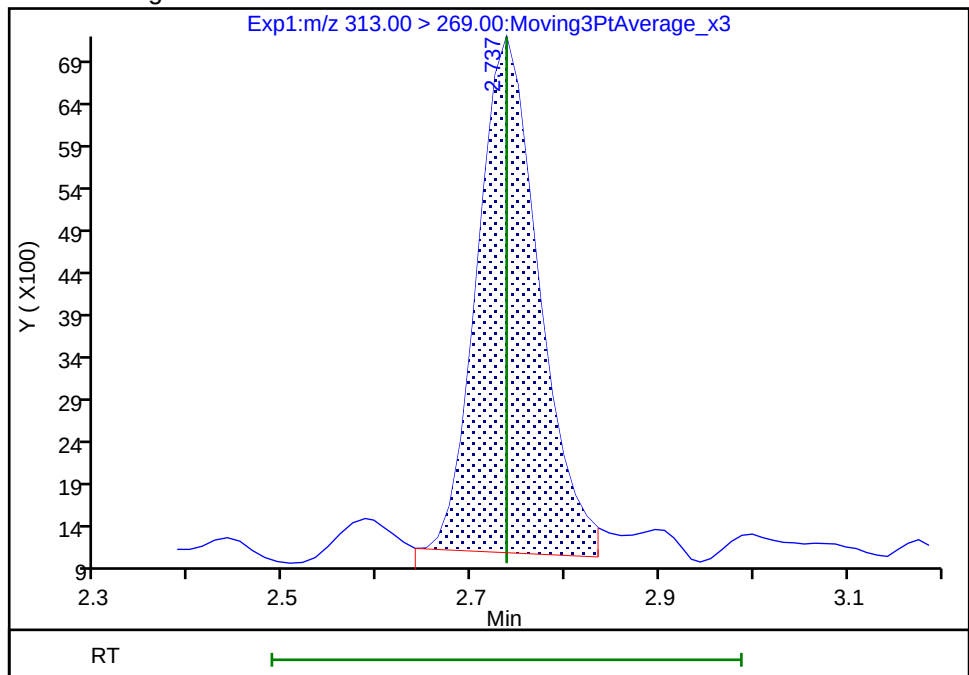
RT: 2.74
Area: 29155
Amount: 0.019912
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 27481
Amount: 0.018769
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:37:29

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

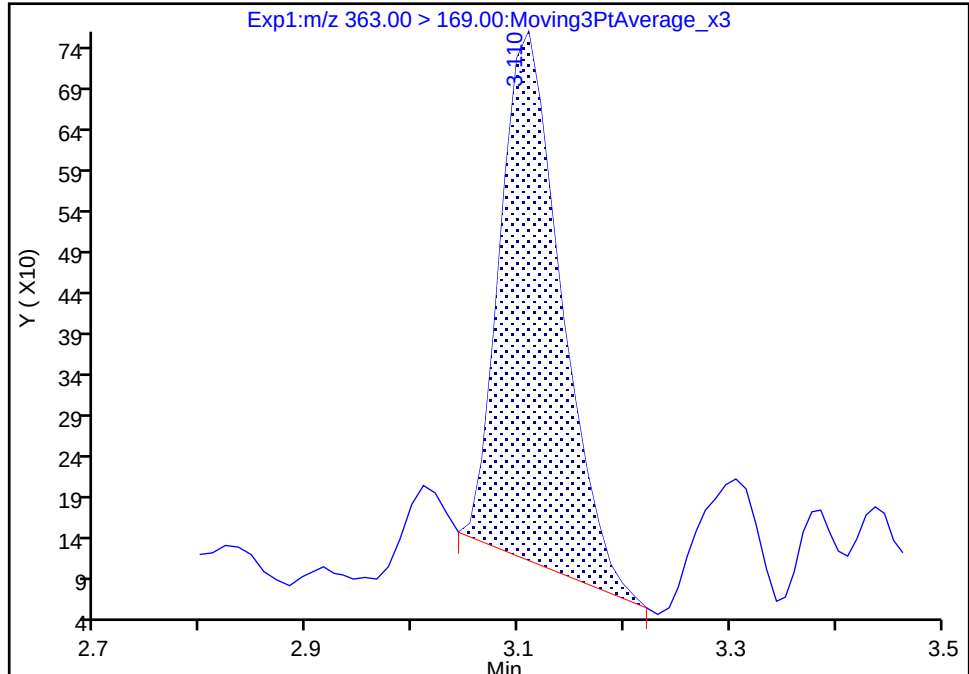
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B06.d		
Injection Date:	11-Aug-2022 19:12:05	Instrument ID:	LC812
Lims ID:	460-263208-A-3-A	Lab Sample ID:	200-263208-3
Client ID:	BCS-09-34 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	6

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

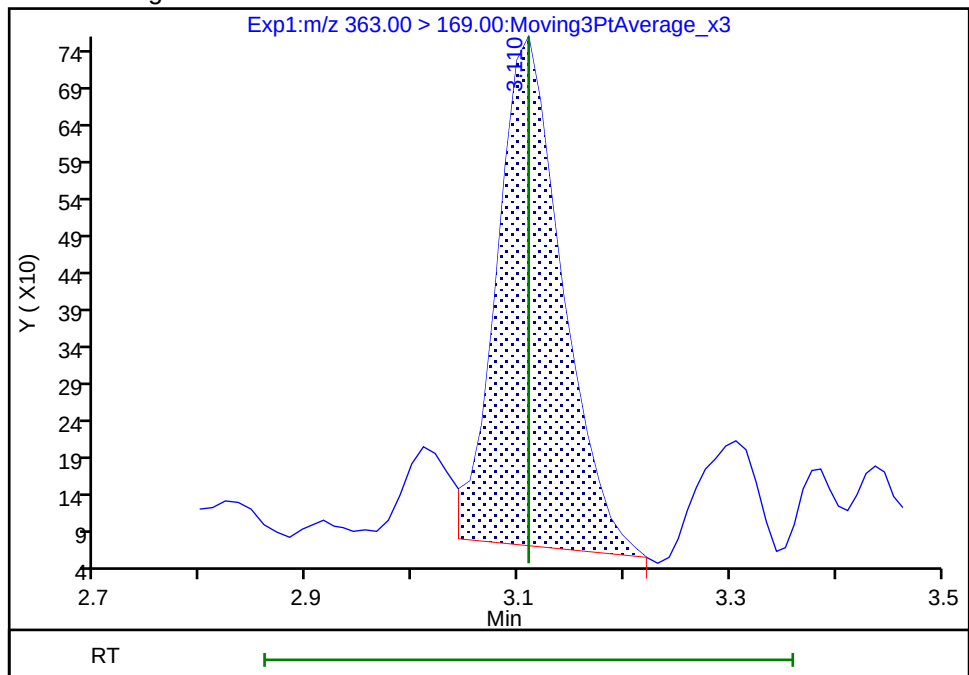
RT: 3.11
Area: 2586
Amount: 0.007258
Amount Units: ng/ml

Processing Integration Results



RT: 3.11
Area: 2943
Amount: 0.007258
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:38:03
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

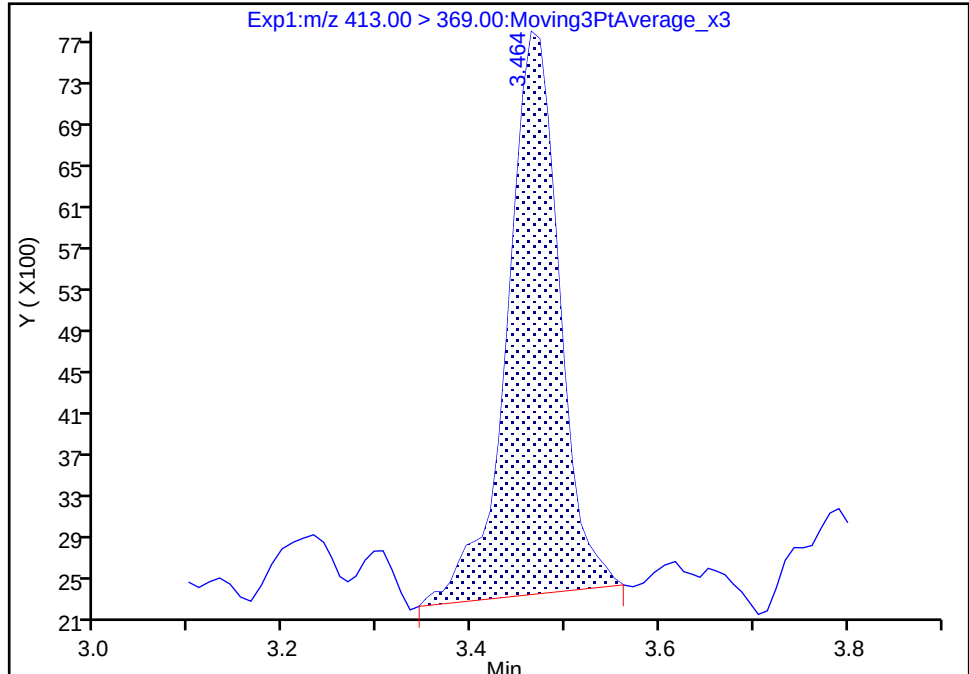
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B06.d		
Injection Date:	11-Aug-2022 19:12:05	Instrument ID:	LC812
Lims ID:	460-263208-A-3-A	Lab Sample ID:	200-263208-3
Client ID:	BCS-09-34 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	6

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

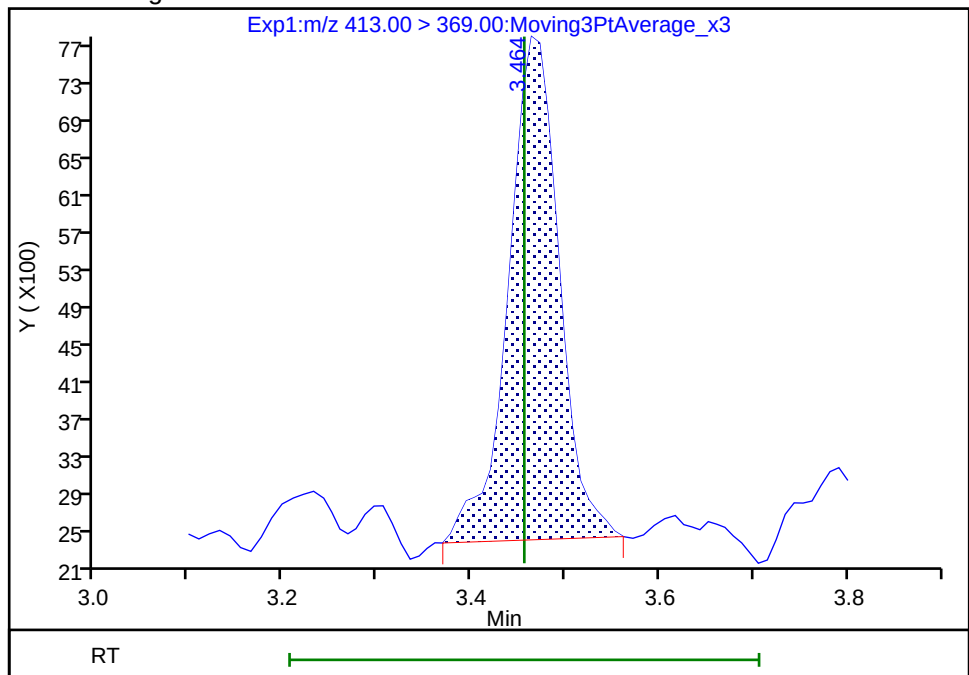
RT: 3.46
Area: 20804
Amount: 0.012382
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 20018
Amount: 0.011914
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:38:30
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

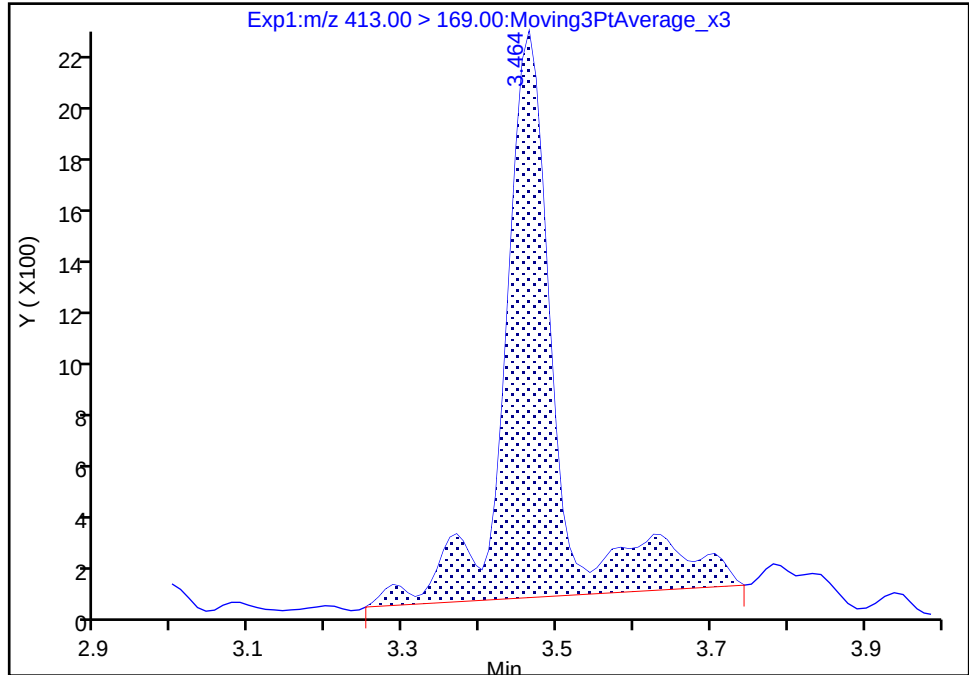
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B06.d
Injection Date: 11-Aug-2022 19:12:05 Instrument ID: LC812
Lims ID: 460-263208-A-3-A Lab Sample ID: 200-263208-3
Client ID: BCS-09-34 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. 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

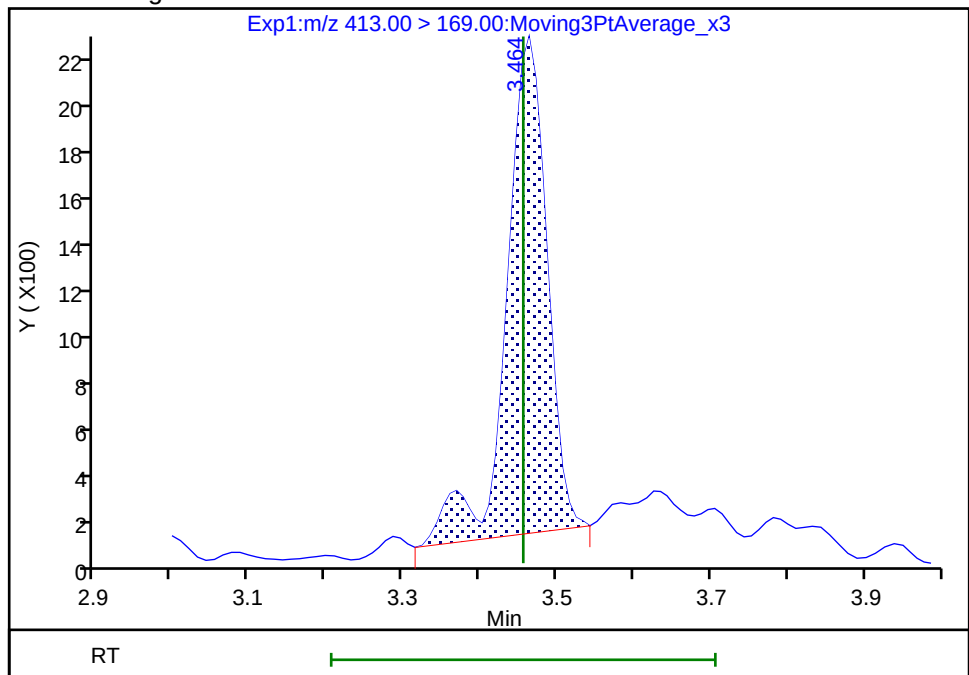
RT: 3.46
Area: 10294
Amount: 0.012382
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 7764
Amount: 0.011914
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:38:35

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

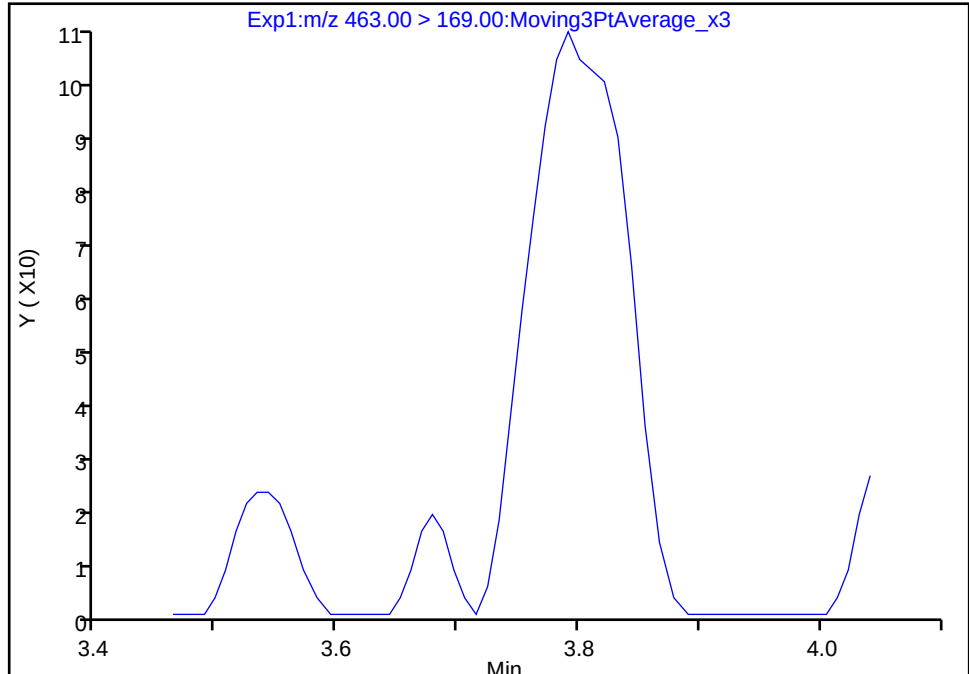
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B06.d		
Injection Date:	11-Aug-2022 19:12:05	Instrument ID:	LC812
Lims ID:	460-263208-A-3-A	Lab Sample ID:	200-263208-3
Client ID:	BCS-09-34 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	6

20 Perfluorononanoic acid, CAS: 375-95-1

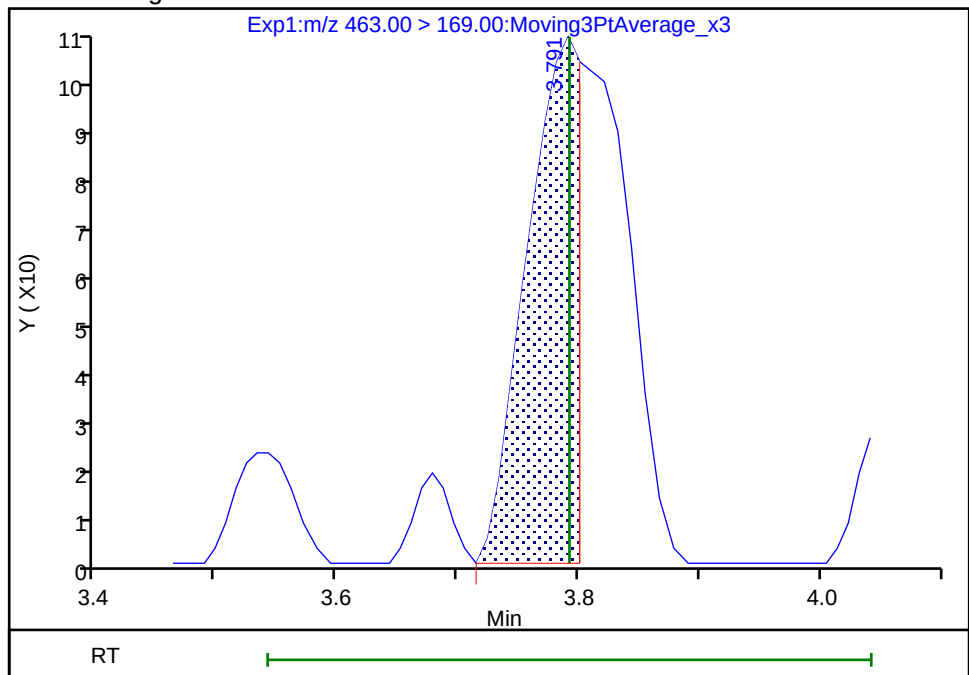
Signal: 2

Not Detected
Expected RT: 3.79

Processing Integration Results



Manual Integration Results



RT: 3.79
Area: 303
Amount: 0.003236
Amount Units: ng/ml

Reviewer: nampitakw, 12-Aug-2022 08:39:20
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

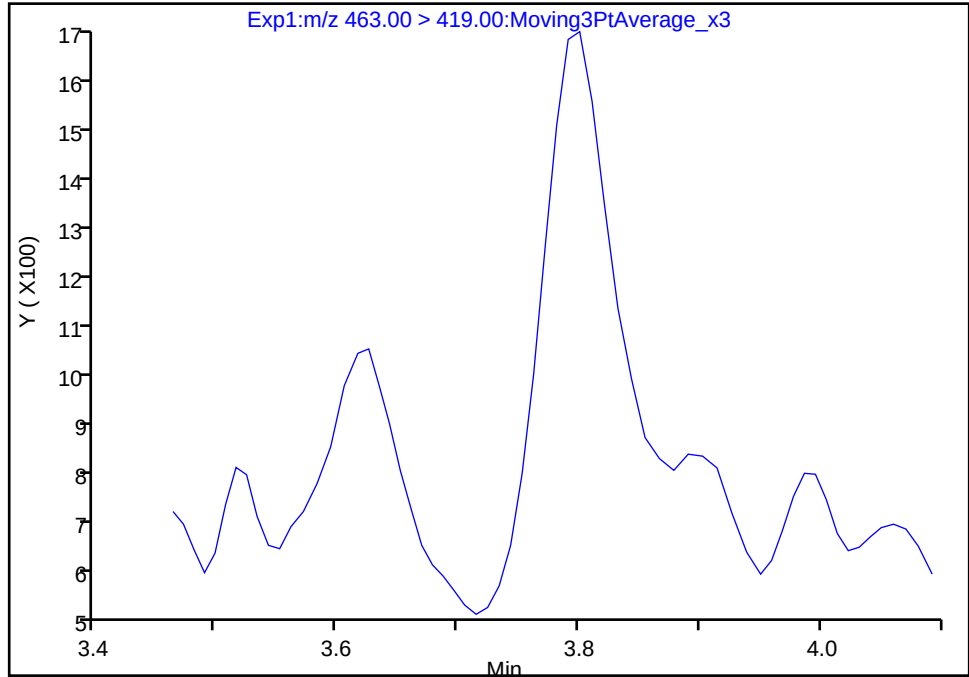
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B06.d		
Injection Date:	11-Aug-2022 19:12:05	Instrument ID:	LC812
Lims ID:	460-263208-A-3-A	Lab Sample ID:	200-263208-3
Client ID:	BCS-09-34 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	6

20 Perfluorononanoic acid, CAS: 375-95-1

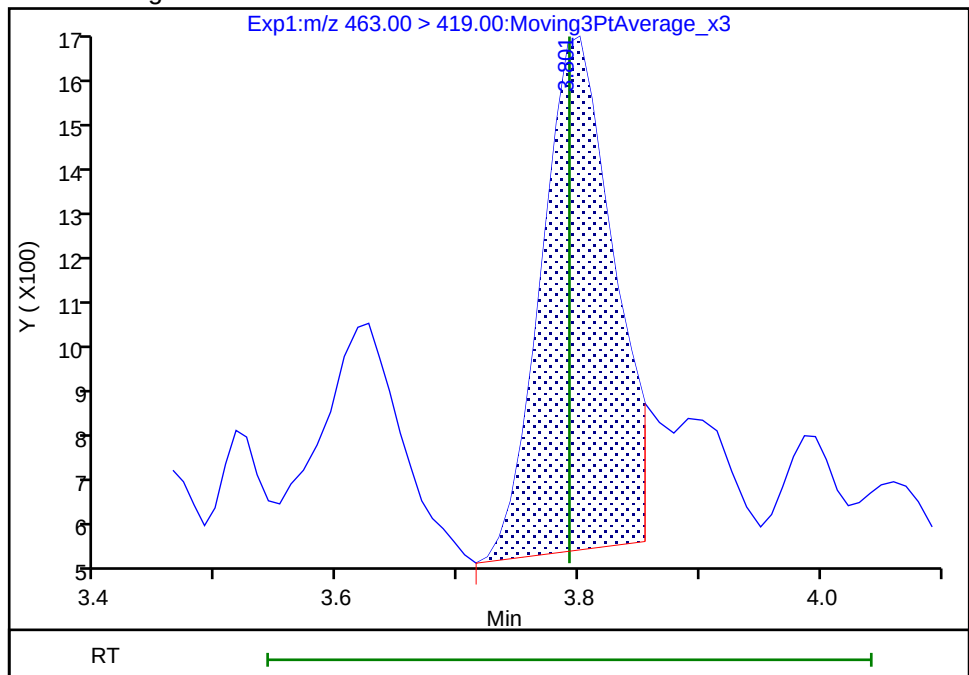
Signal: 1

Not Detected
Expected RT: 3.79

Processing Integration Results



Manual Integration Results

RT: 3.80
Area: 4790
Amount: 0.003236
Amount Units: ng/ml

Reviewer: nampitakw, 12-Aug-2022 08:39:24

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

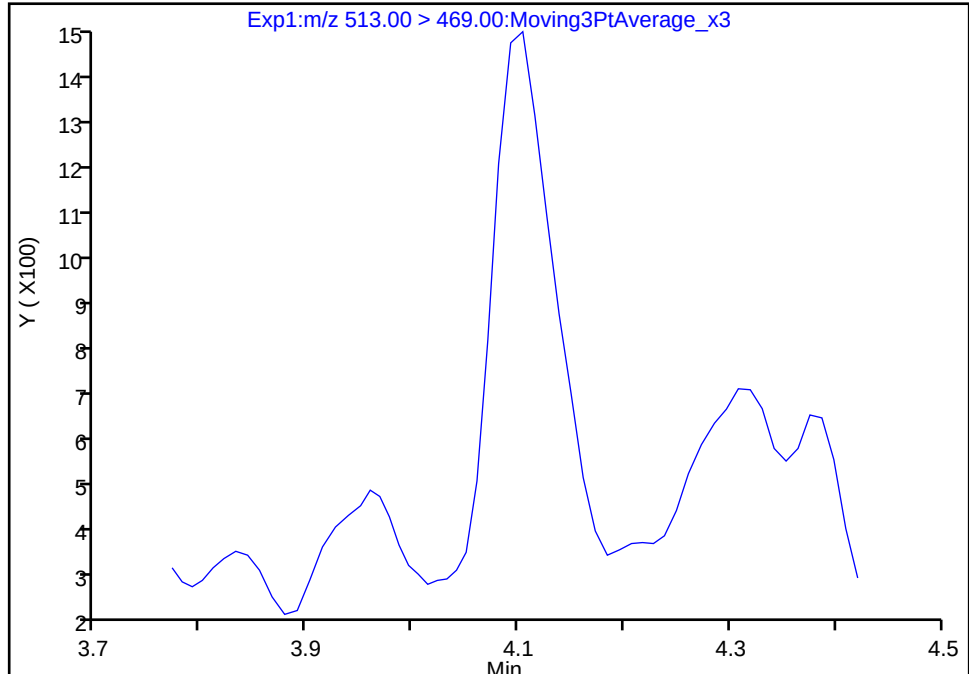
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B06.d		
Injection Date:	11-Aug-2022 19:12:05	Instrument ID:	LC812
Lims ID:	460-263208-A-3-A	Lab Sample ID:	200-263208-3
Client ID:	BCS-09-34 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	6

24 Perfluorodecanoic acid, CAS: 335-76-2

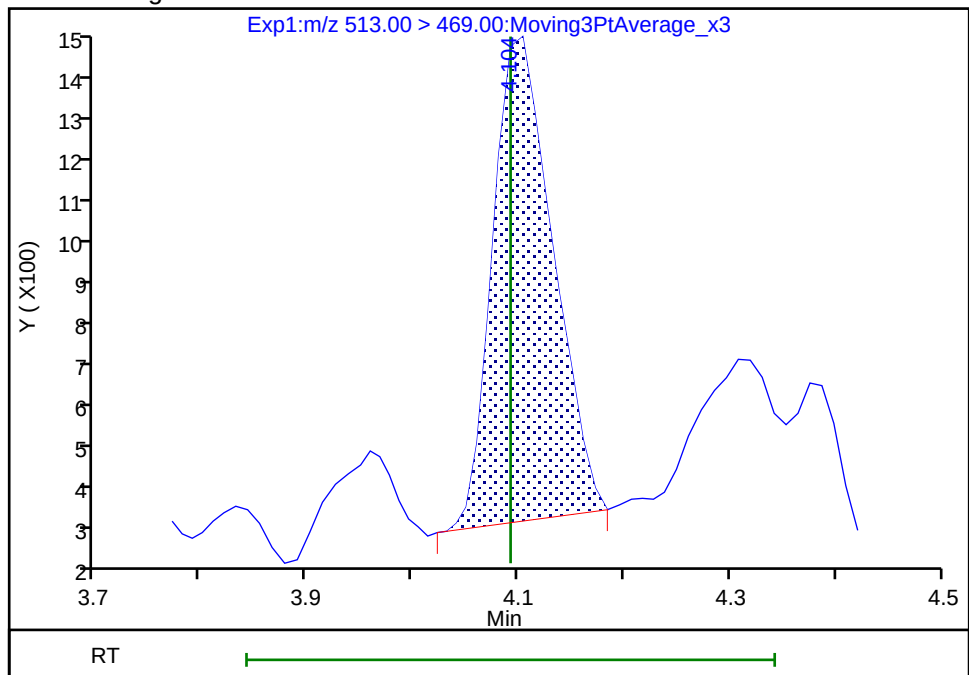
Signal: 1

Not Detected
Expected RT: 4.09

Processing Integration Results



Manual Integration Results



RT: 4.10
Area: 4366
Amount: 0.002887
Amount Units: ng/ml

Reviewer: Z1IP, 12-Aug-2022 09:48:56
Audit Action: Manually Integrated

Audit Reason: Missed Peak

Eurofins Burlington

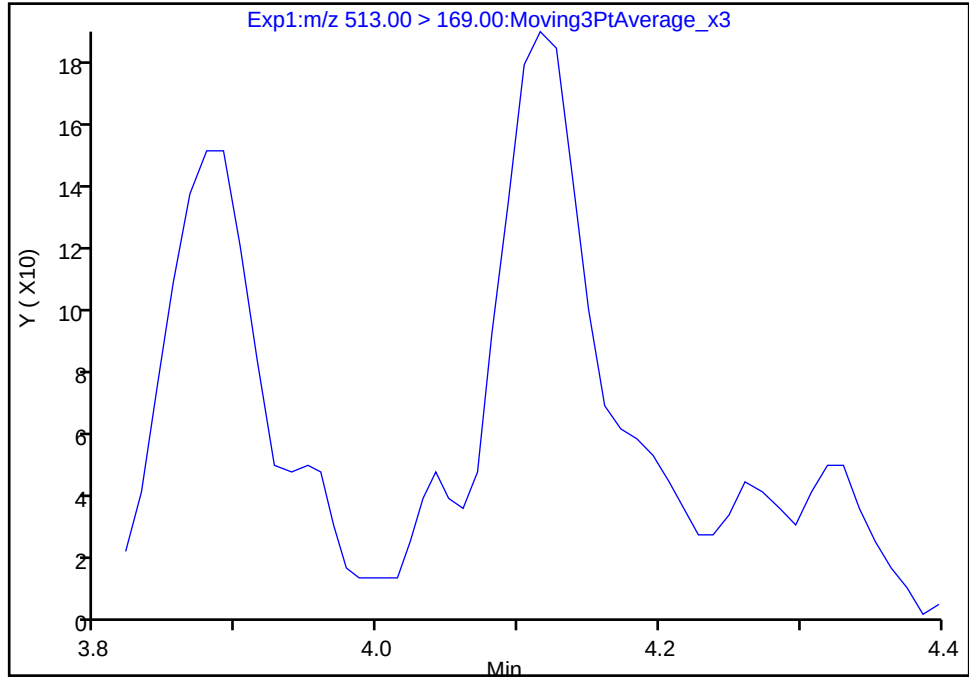
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B06.d
Injection Date: 11-Aug-2022 19:12:05 Instrument ID: LC812
Lims ID: 460-263208-A-3-A Lab Sample ID: 200-263208-3
Client ID: BCS-09-34 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. 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

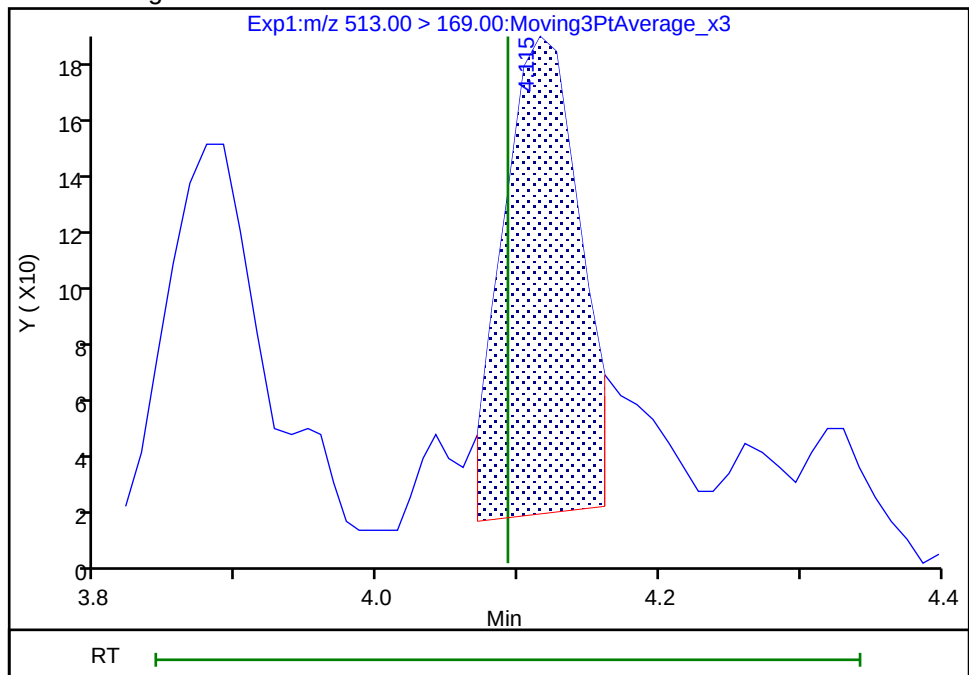
Not Detected
Expected RT: 4.09

Processing Integration Results



Manual Integration Results

RT: 4.12
Area: 591
Amount: 0.002887
Amount Units: ng/ml



Reviewer: Z1IP, 12-Aug-2022 09:49:06

Audit Action: Manually Integrated

Audit Reason: Missed Peak

Page 168 of 1695

08/18/2022

Eurofins Burlington

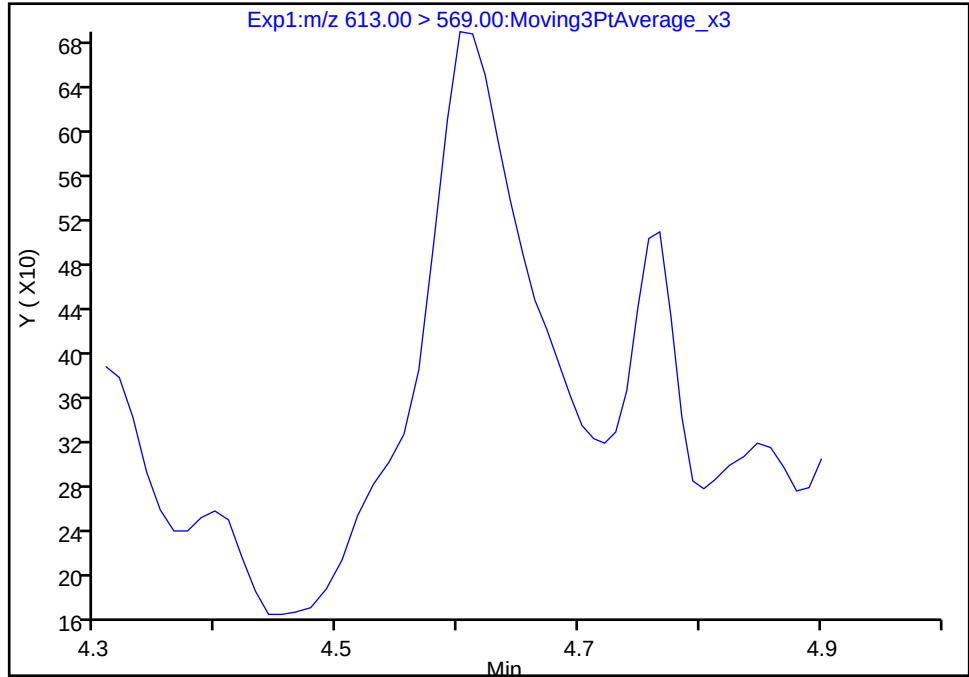
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B06.d		
Injection Date:	11-Aug-2022 19:12:05	Instrument ID:	LC812
Lims ID:	460-263208-A-3-A	Lab Sample ID:	200-263208-3
Client ID:	BCS-09-34 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	6

37 Perfluorododecanoic acid, CAS: 307-55-1

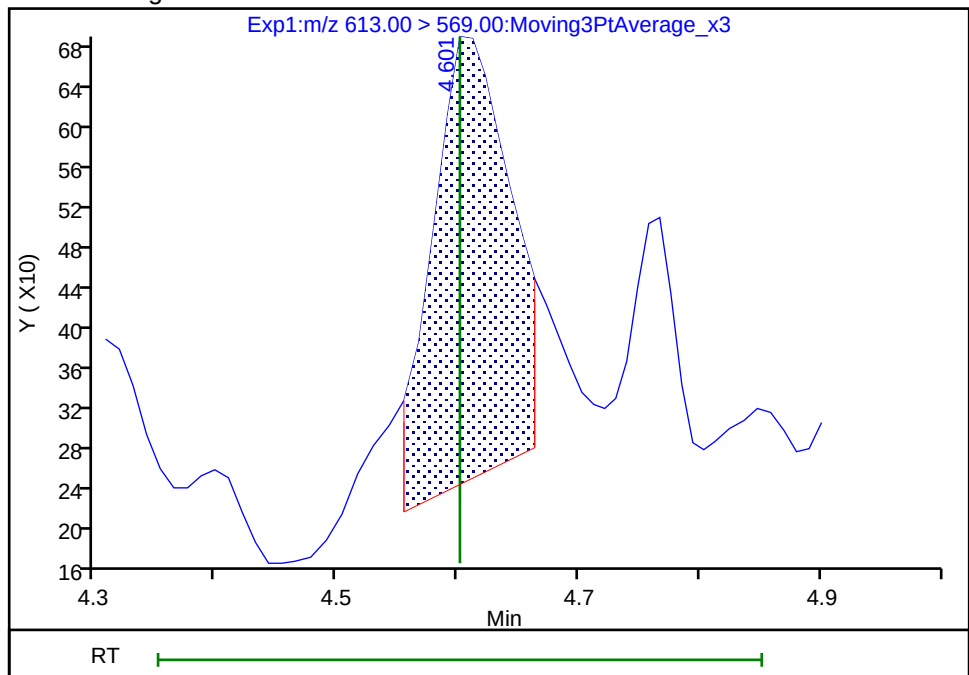
Signal: 1

Not Detected
Expected RT: 4.60

Processing Integration Results



Manual Integration Results

RT: 4.60
Area: 1947
Amount: 0.001726
Amount Units: ng/ml

Reviewer: nampitakw, 12-Aug-2022 08:40:52

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

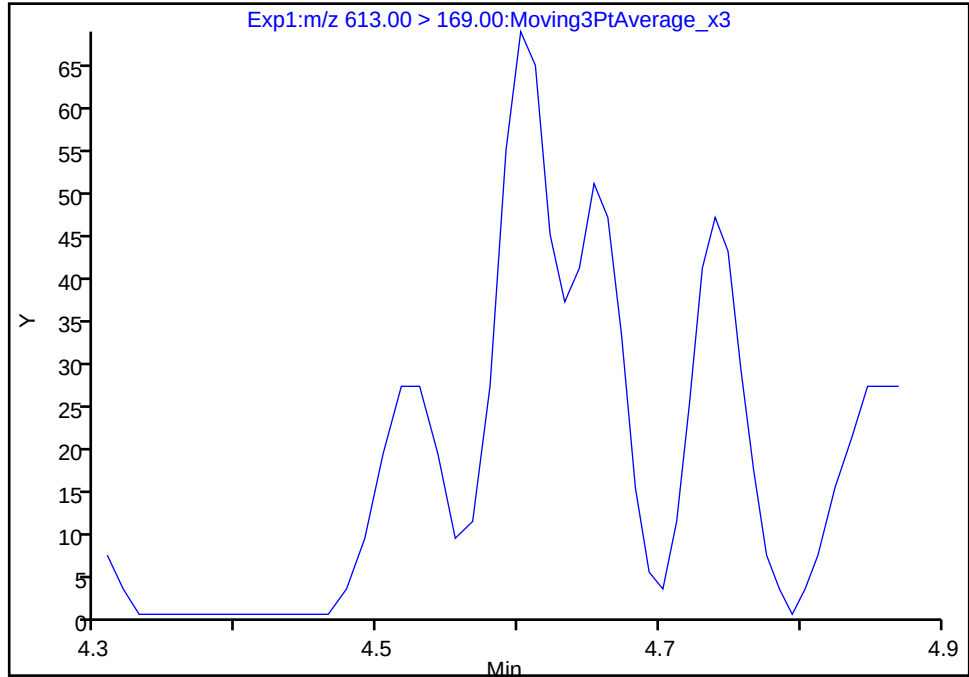
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B06.d
Injection Date: 11-Aug-2022 19:12:05 Instrument ID: LC812
Lims ID: 460-263208-A-3-A Lab Sample ID: 200-263208-3
Client ID: BCS-09-34 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. 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

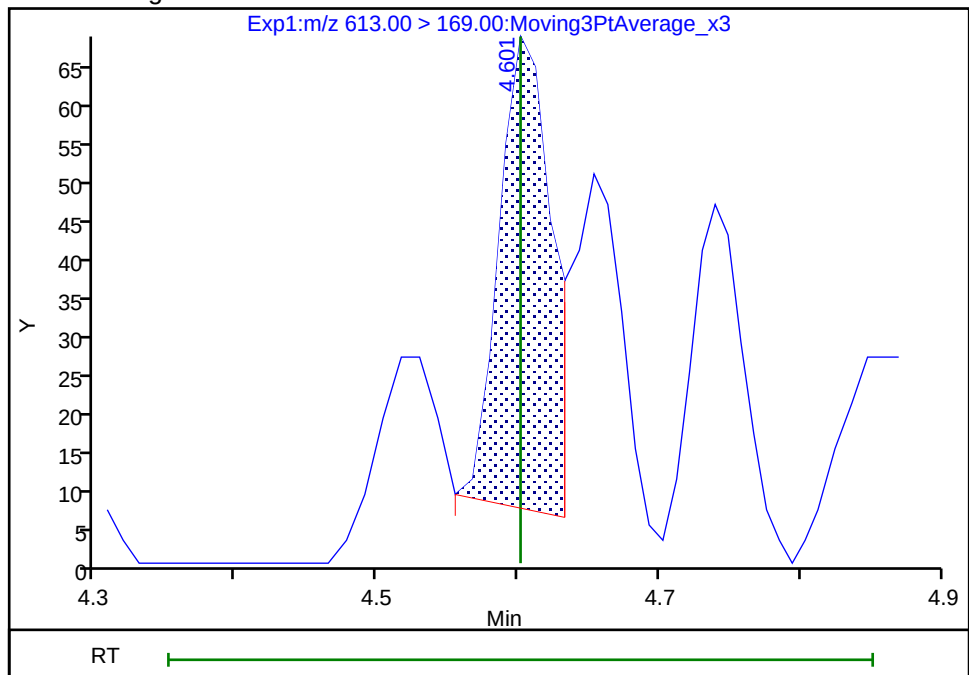
Not Detected
Expected RT: 4.60

Processing Integration Results



Manual Integration Results

RT: 4.60
Area: 155
Amount: 0.001726
Amount Units: ng/ml



Reviewer: nampitakw, 12-Aug-2022 08:40:54

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

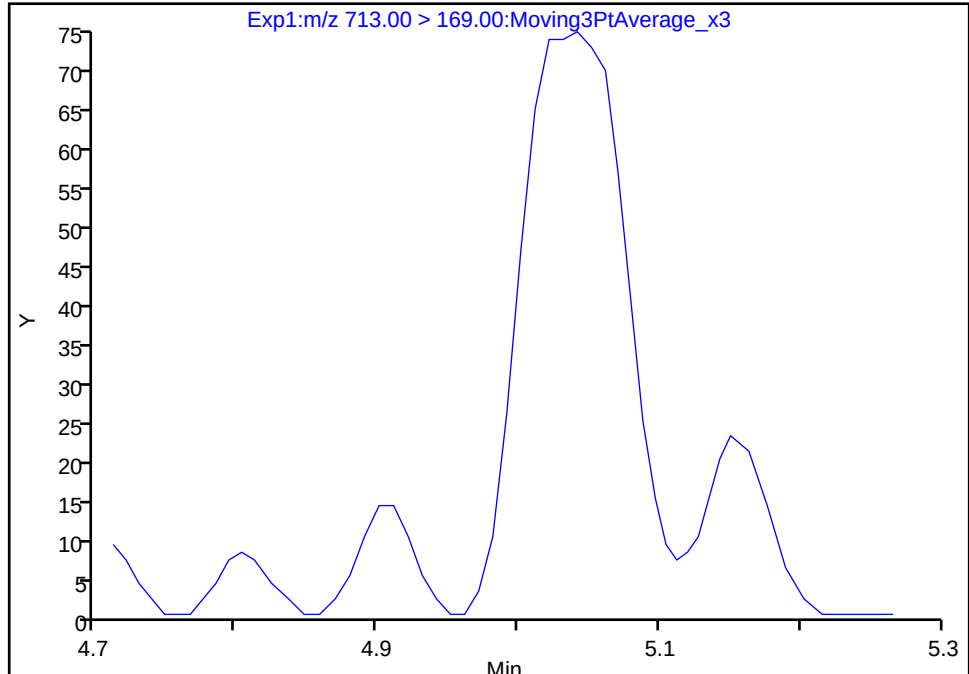
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B06.d		
Injection Date:	11-Aug-2022 19:12:05	Instrument ID:	LC812
Lims ID:	460-263208-A-3-A	Lab Sample ID:	200-263208-3
Client ID:	BCS-09-34 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	6

42 Perfluorotetradecanoic acid, CAS: 376-06-7

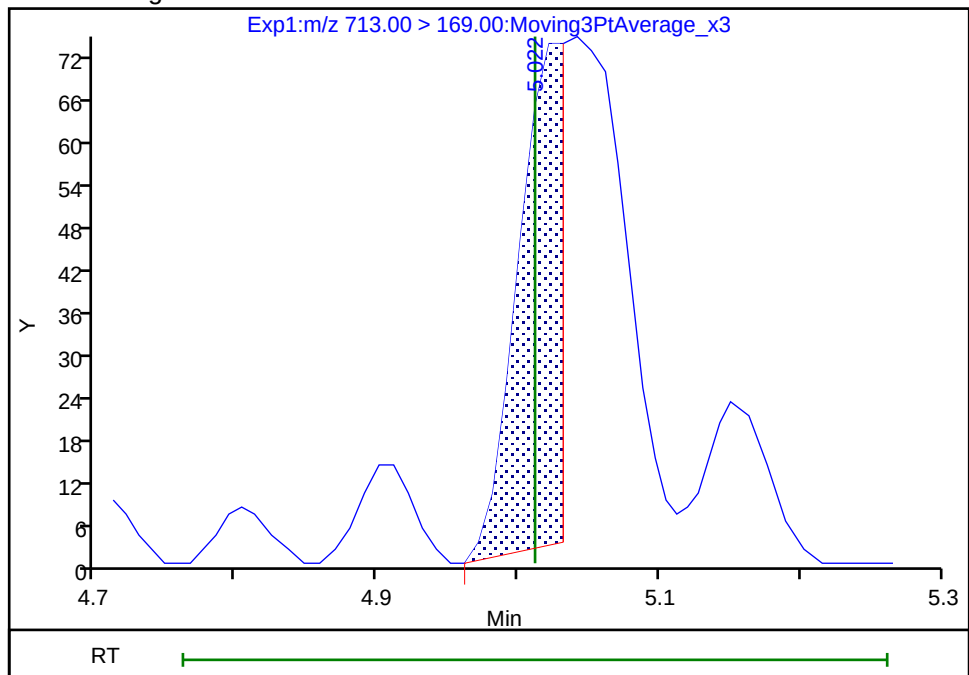
Signal: 1

Not Detected
Expected RT: 5.01

Processing Integration Results



Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:41:32

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

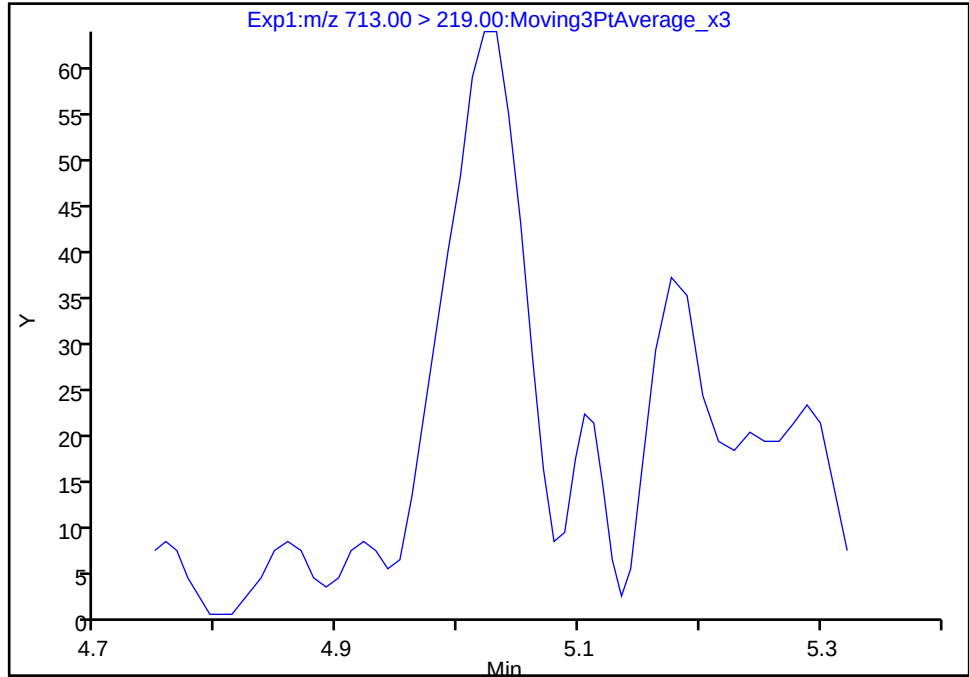
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B06.d
Injection Date: 11-Aug-2022 19:12:05 Instrument ID: LC812
Lims ID: 460-263208-A-3-A Lab Sample ID: 200-263208-3
Client ID: BCS-09-34 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. 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

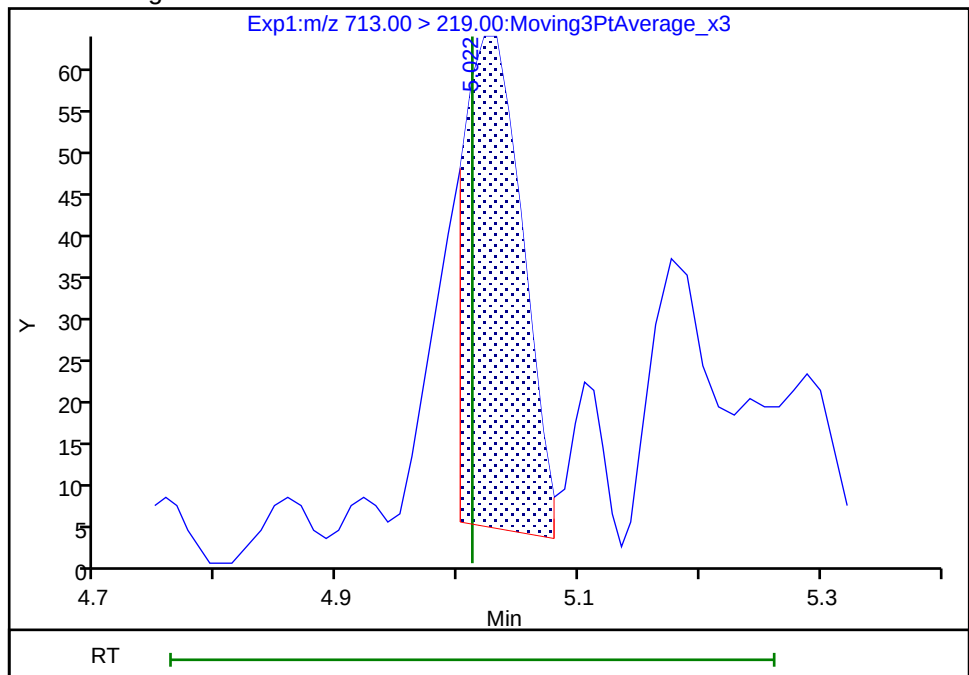
Not Detected
Expected RT: 5.01

Processing Integration Results



Manual Integration Results

RT: 5.02
Area: 193
Amount: 0.001030
Amount Units: ng/ml



Reviewer: nampitakw, 12-Aug-2022 08:41:38

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

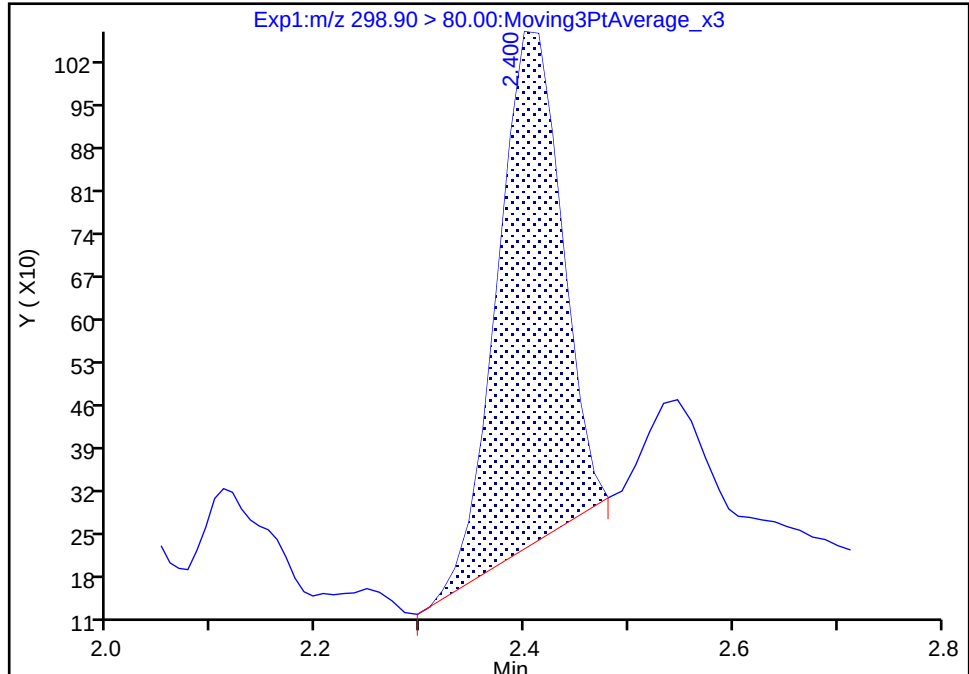
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B06.d				
Injection Date:	11-Aug-2022 19:12:05	Instrument ID:	LC812		
Lims ID:	460-263208-A-3-A	Lab Sample ID:	200-263208-3		
Client ID:	BCS-09-34 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	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

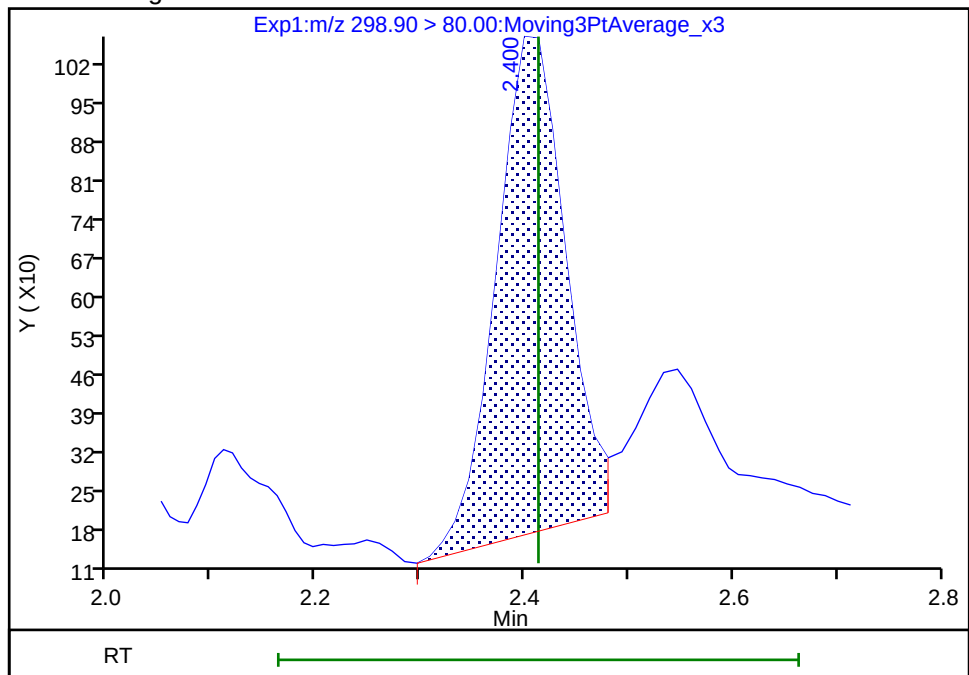
RT: 2.40
Area: 3593
Amount: 0.002173
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 4137
Amount: 0.002502
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:36:59
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

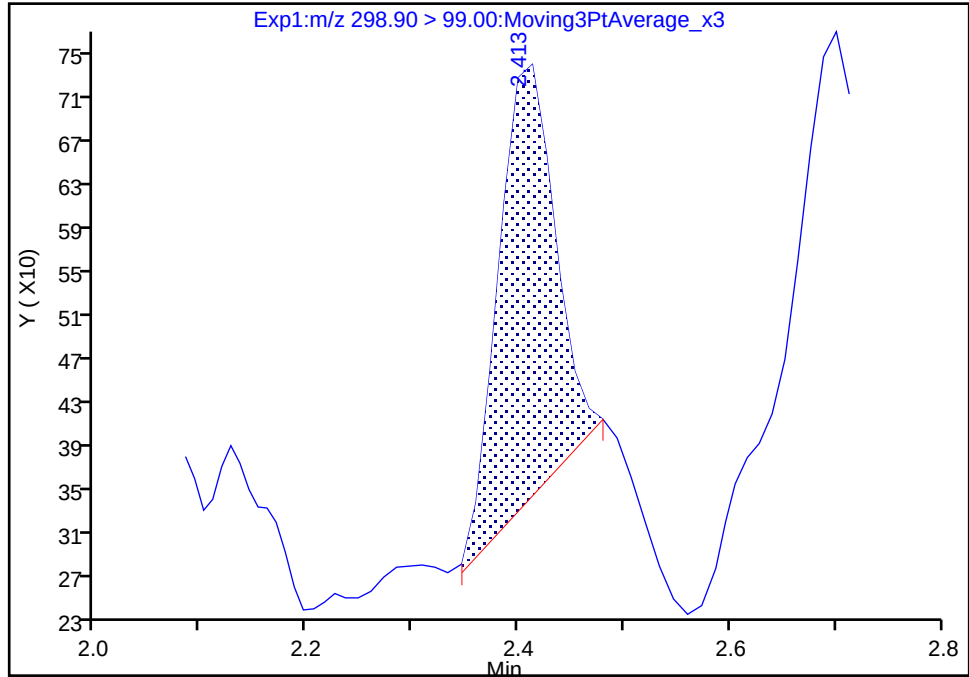
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B06.d
Injection Date: 11-Aug-2022 19:12:05 Instrument ID: LC812
Lims ID: 460-263208-A-3-A Lab Sample ID: 200-263208-3
Client ID: BCS-09-34 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. 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

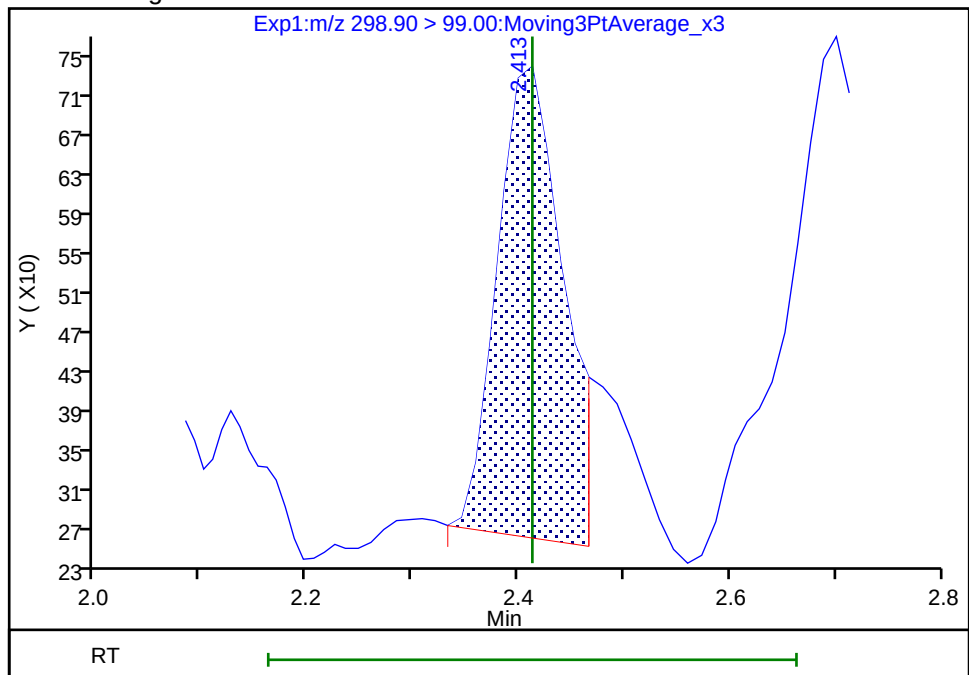
RT: 2.41
Area: 1490
Amount: 0.002173
Amount Units: ng/ml

Processing Integration Results



RT: 2.41
Area: 2022
Amount: 0.002502
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:37:01

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

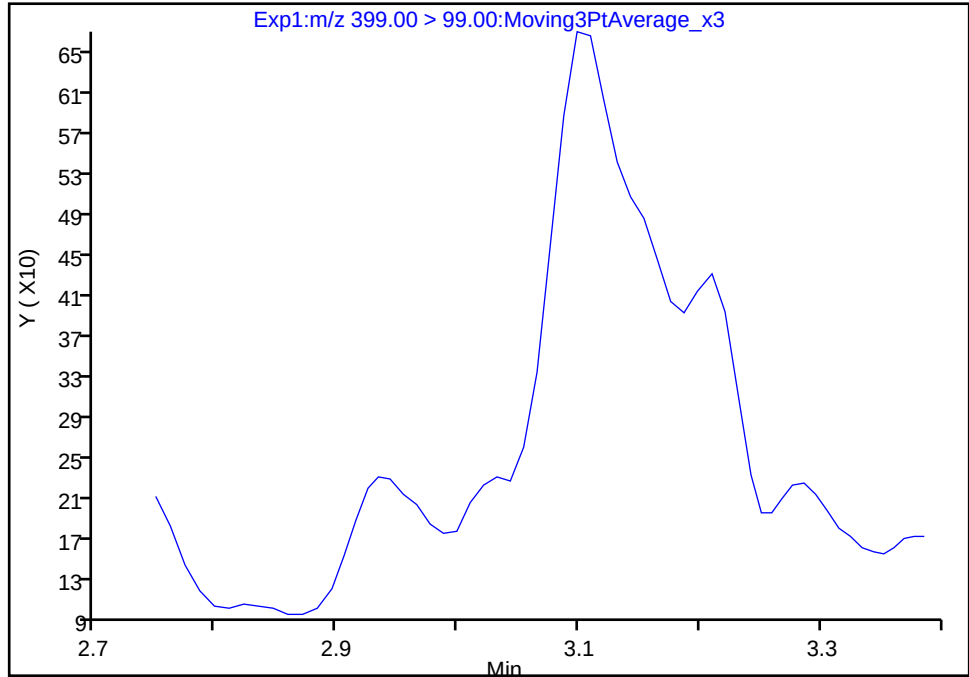
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B06.d		
Injection Date:	11-Aug-2022 19:12:05	Instrument ID:	LC812
Lims ID:	460-263208-A-3-A	Lab Sample ID:	200-263208-3
Client ID:	BCS-09-34 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	6

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

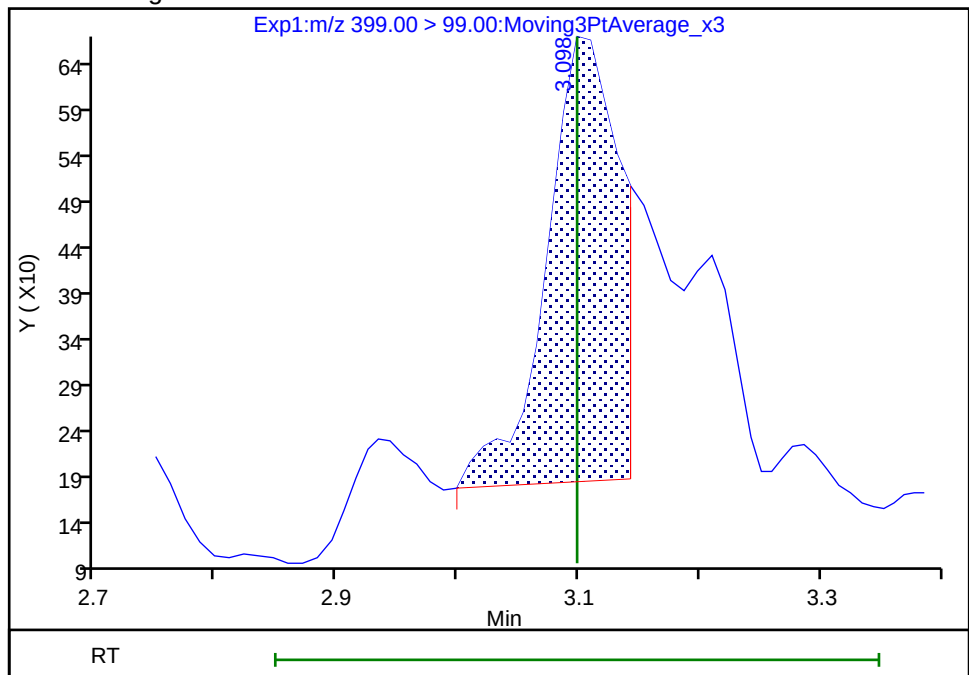
Signal: 2

Not Detected
Expected RT: 3.10

Processing Integration Results



Manual Integration Results



RT: 3.10
Area: 1955
Amount: 0.004891
Amount Units: ng/ml

Reviewer: nampitakw, 12-Aug-2022 08:37:45
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

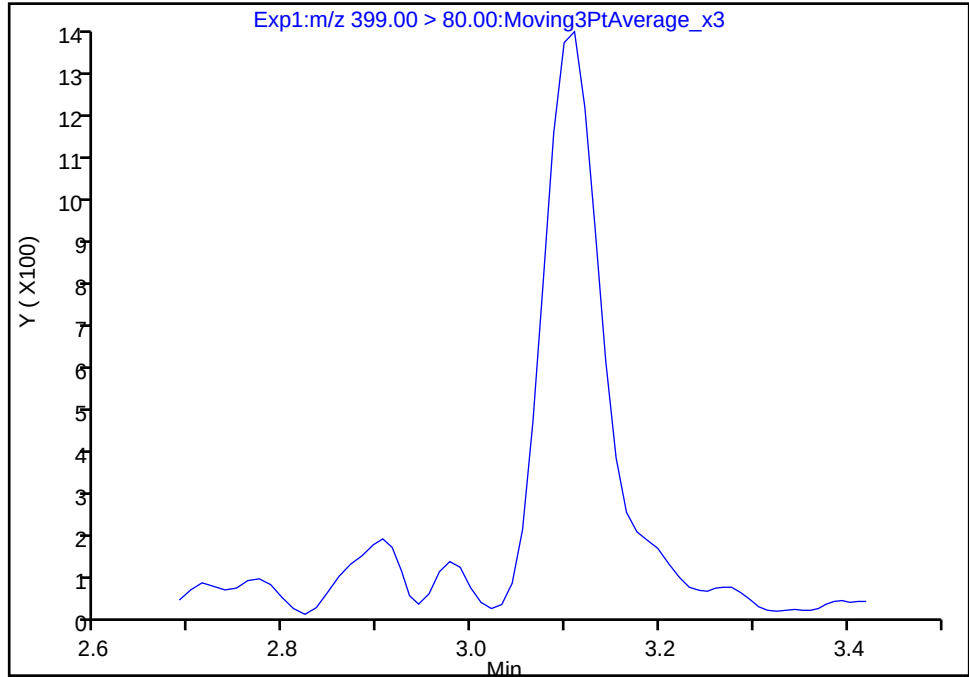
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B06.d
Injection Date: 11-Aug-2022 19:12:05 Instrument ID: LC812
Lims ID: 460-263208-A-3-A Lab Sample ID: 200-263208-3
Client ID: BCS-09-34 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. 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

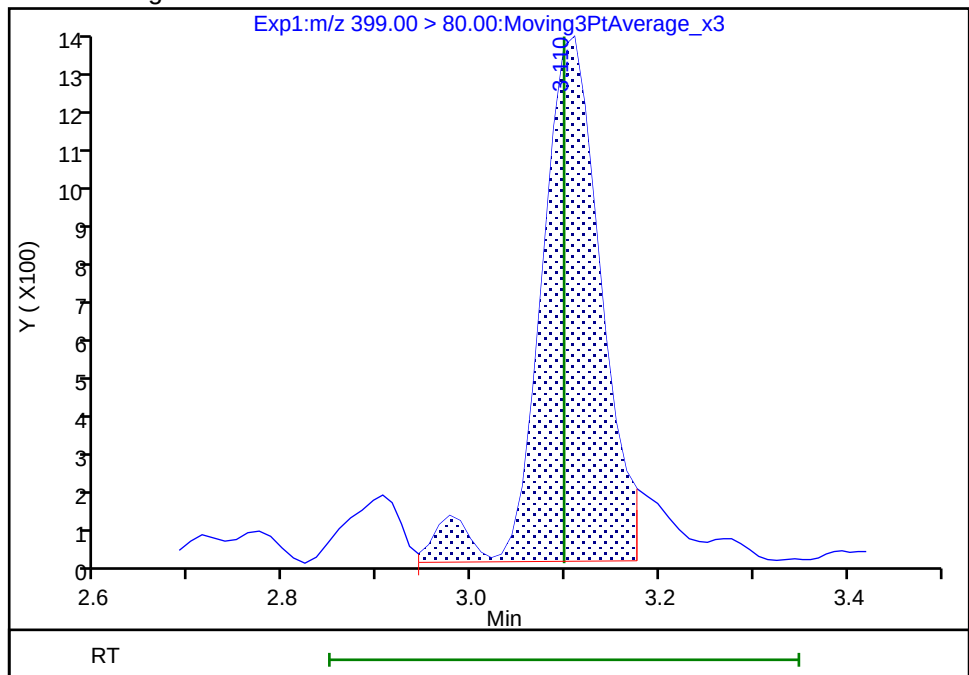
Not Detected
Expected RT: 3.10

Processing Integration Results



Manual Integration Results

RT: 3.11
Area: 5850
Amount: 0.004891
Amount Units: ng/ml



Reviewer: nampitakw, 12-Aug-2022 08:37:48

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

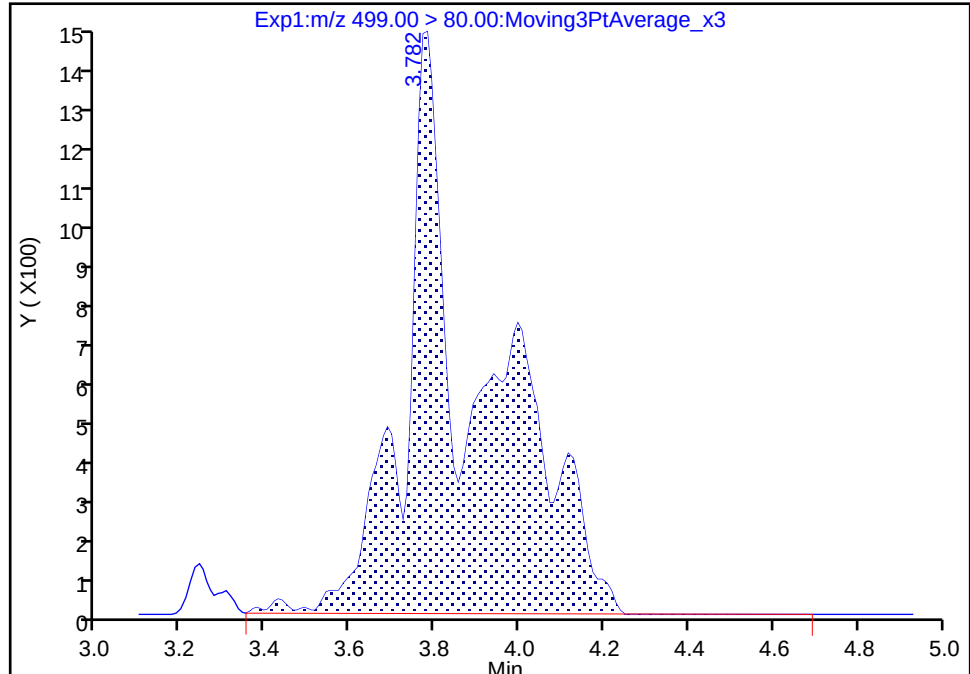
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B06.d		
Injection Date:	11-Aug-2022 19:12:05	Instrument ID:	LC812
Lims ID:	460-263208-A-3-A	Lab Sample ID:	200-263208-3
Client ID:	BCS-09-34 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	6

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

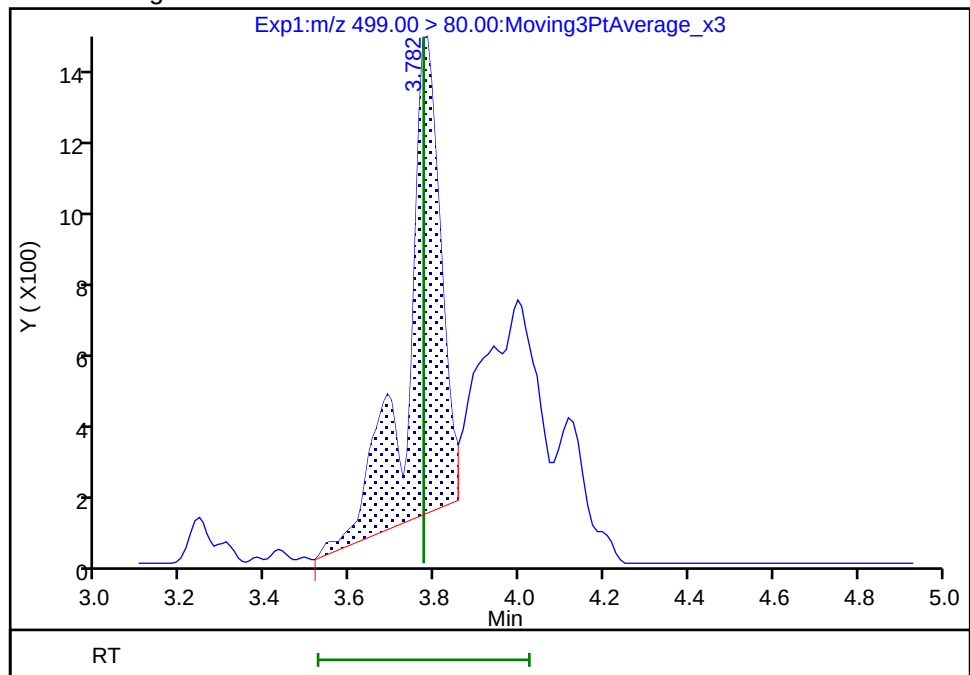
RT: 3.78
Area: 18325
Amount: 0.005873
Amount Units: ng/ml

Processing Integration Results



RT: 3.78
Area: 7300
Amount: -0.008774
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:38:51
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

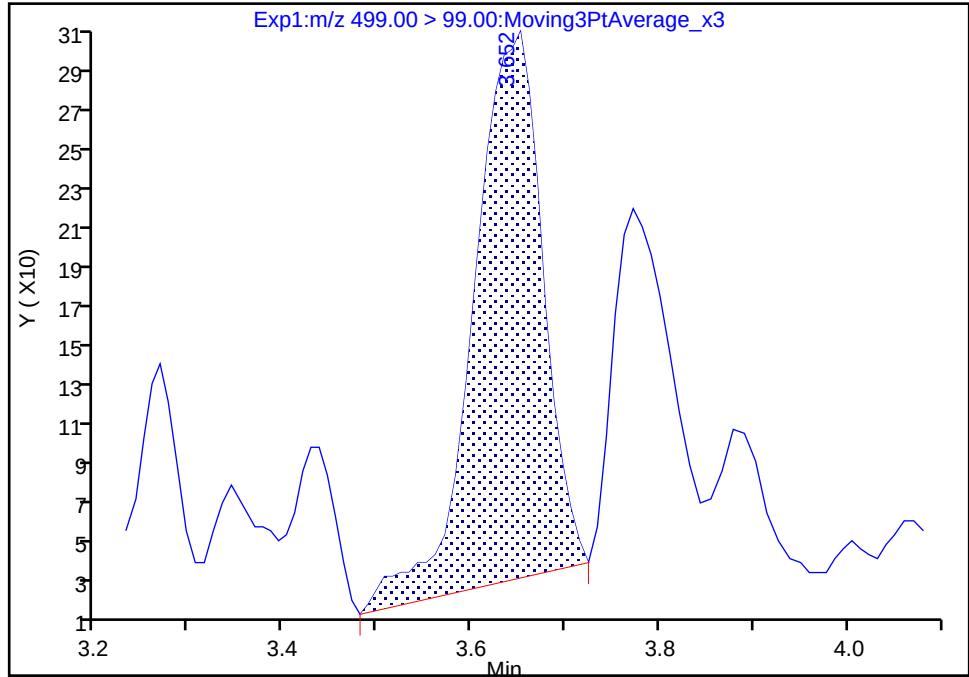
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B06.d
Injection Date: 11-Aug-2022 19:12:05 Instrument ID: LC812
Lims ID: 460-263208-A-3-A Lab Sample ID: 200-263208-3
Client ID: BCS-09-34 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. 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

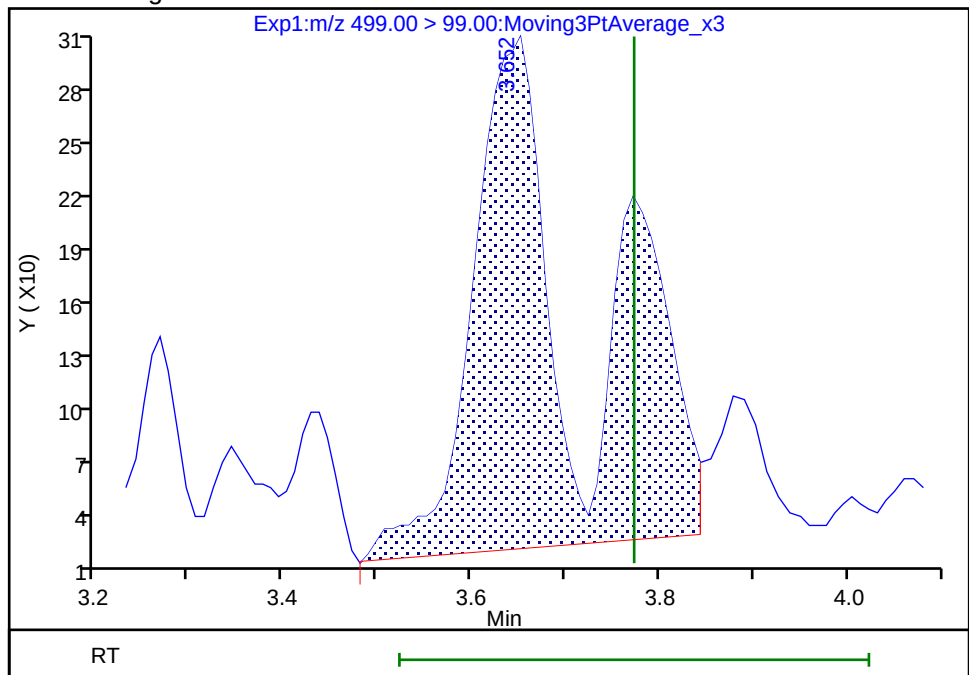
RT: 3.65
Area: 1407
Amount: 0.005873
Amount Units: ng/ml

Processing Integration Results



RT: 3.65
Area: 2334
Amount: -0.008774
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:39:04

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

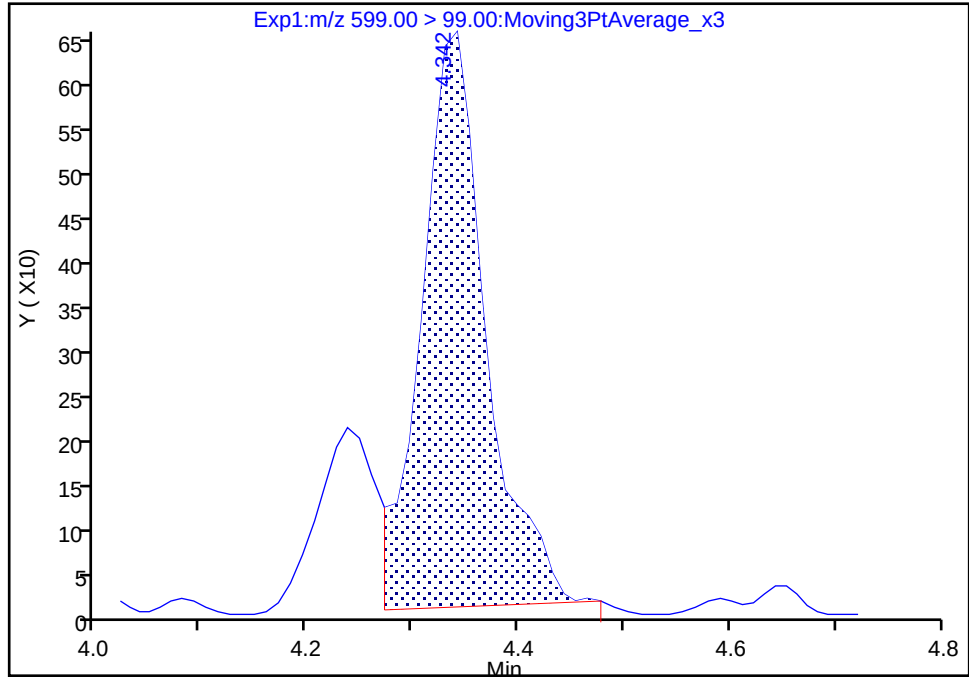
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B06.d		
Injection Date:	11-Aug-2022 19:12:05	Instrument ID:	LC812
Lims ID:	460-263208-A-3-A	Lab Sample ID:	200-263208-3
Client ID:	BCS-09-34 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	6

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

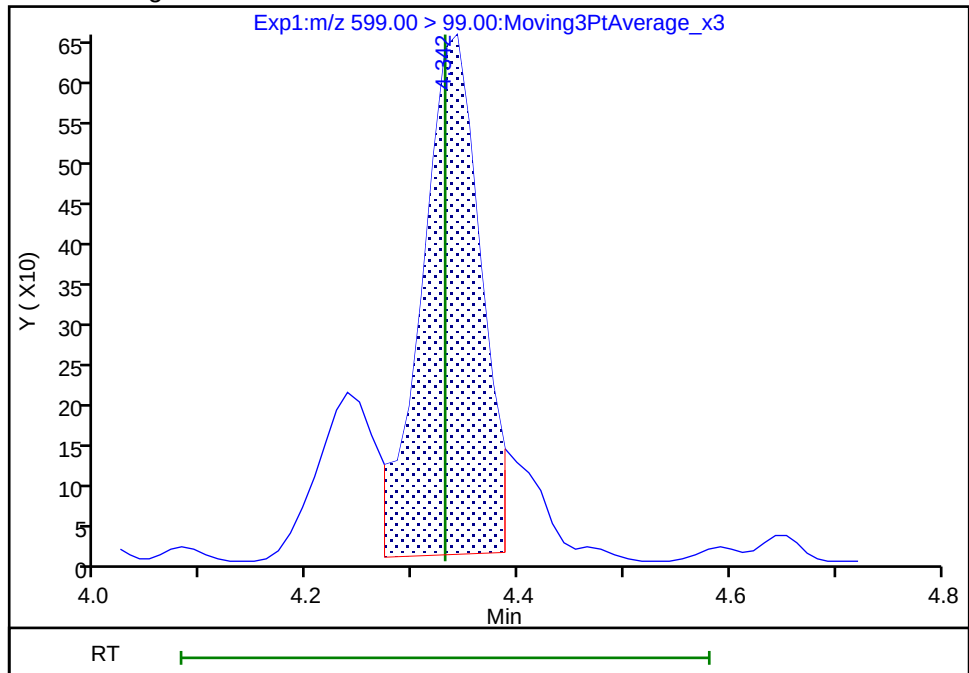
RT: 4.34
Area: 2736
Amount: 0.009347
Amount Units: ng/ml

Processing Integration Results



RT: 4.34
Area: 2466
Amount: 0.009347
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:40:09
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

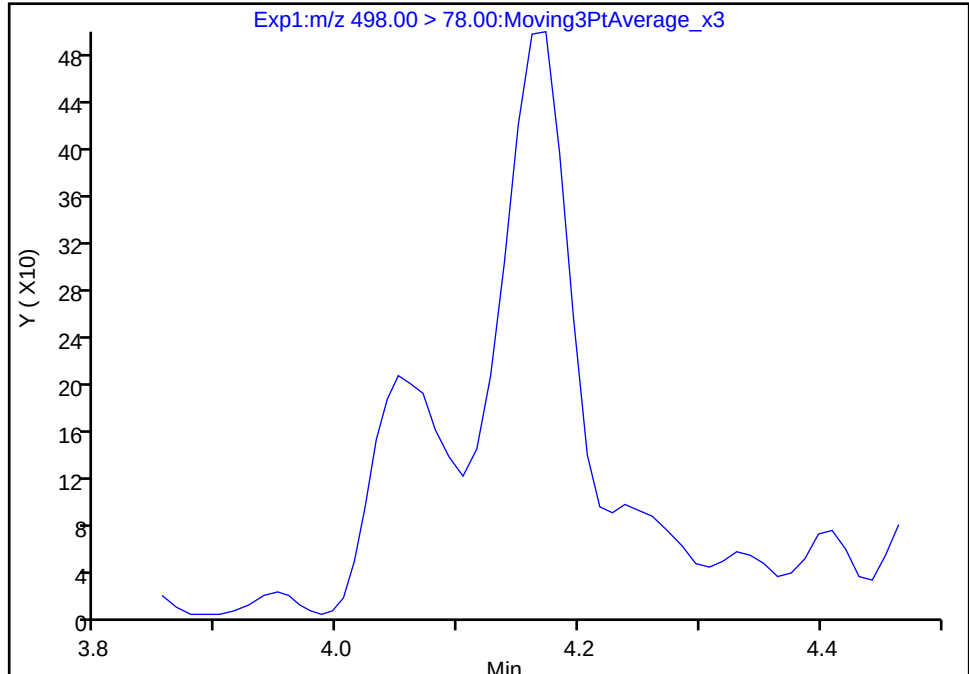
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B06.d		
Injection Date:	11-Aug-2022 19:12:05	Instrument ID:	LC812
Lims ID:	460-263208-A-3-A	Lab Sample ID:	200-263208-3
Client ID:	BCS-09-34 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	6

22 Perfluorooctanesulfonamide, CAS: 754-91-6

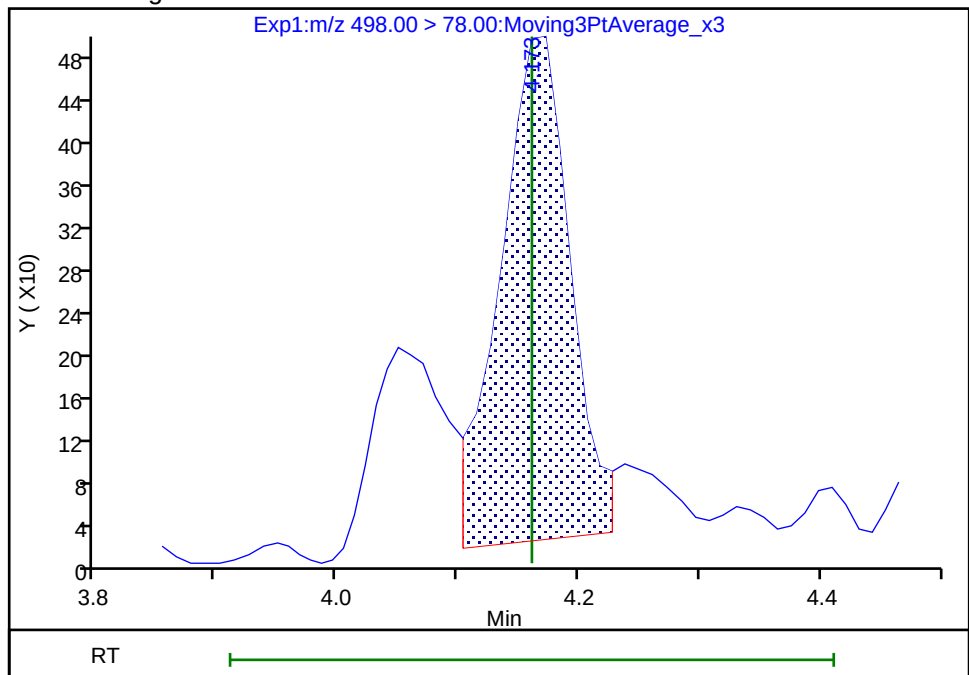
Signal: 1

Not Detected
Expected RT: 4.16

Processing Integration Results



Manual Integration Results

RT: 4.17
Area: 1890
Amount: 0.001808
Amount Units: ng/mlReviewer: nampitakw, 12-Aug-2022 08:39:49
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

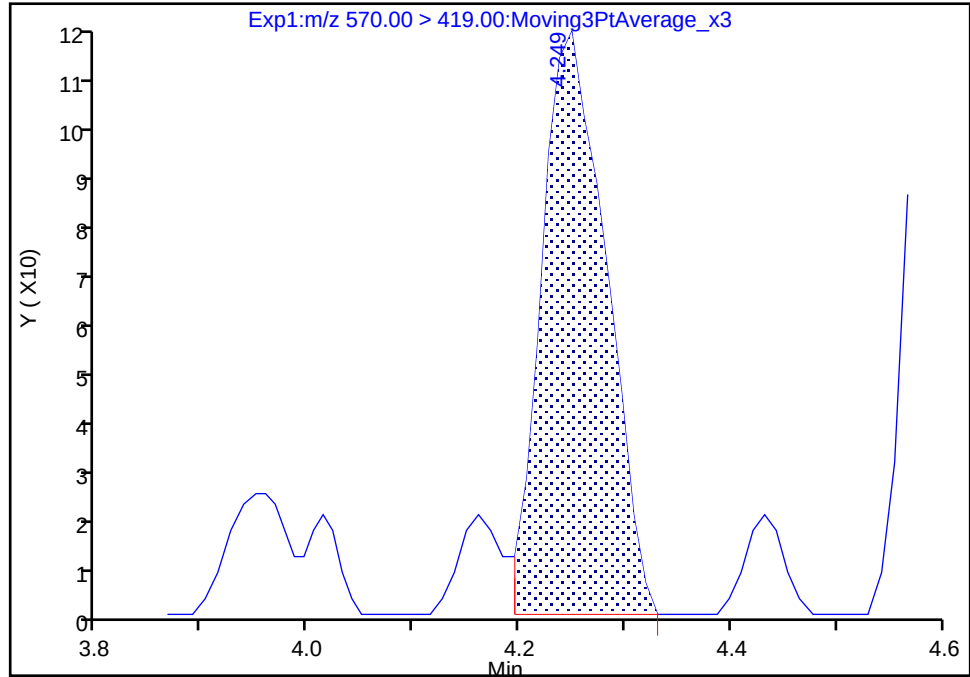
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B06.d		
Injection Date:	11-Aug-2022 19:12:05	Instrument ID:	LC812
Lims ID:	460-263208-A-3-A	Lab Sample ID:	200-263208-3
Client ID:	BCS-09-34 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	6

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

Signal: 1

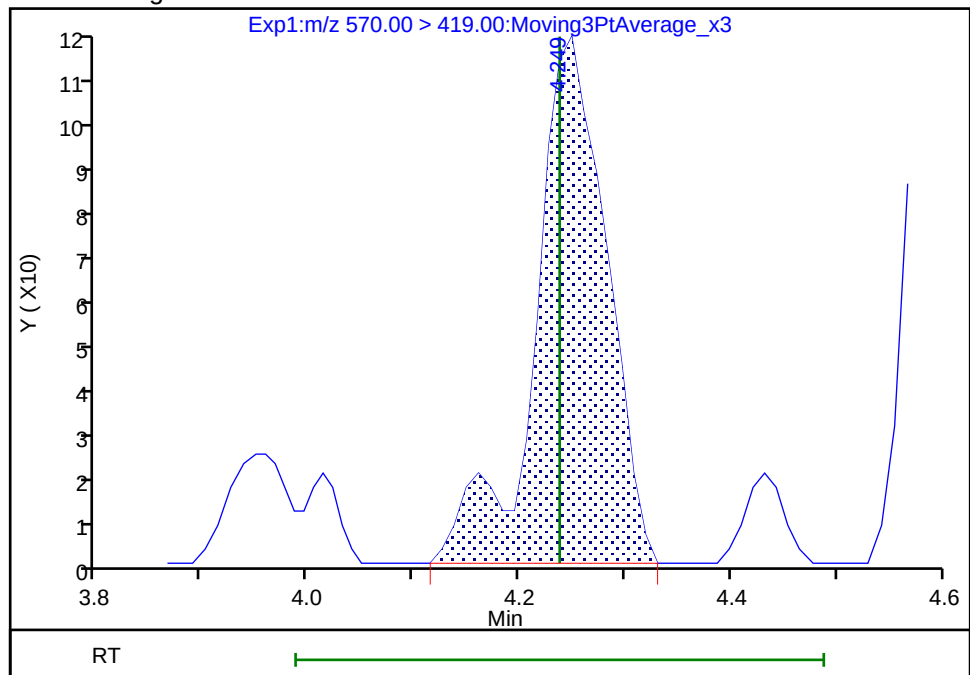
RT: 4.25
Area: 470
Amount: 0.002927
Amount Units: ng/ml

Processing Integration Results



RT: 4.25
Area: 524
Amount: 0.003263
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:39:54
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

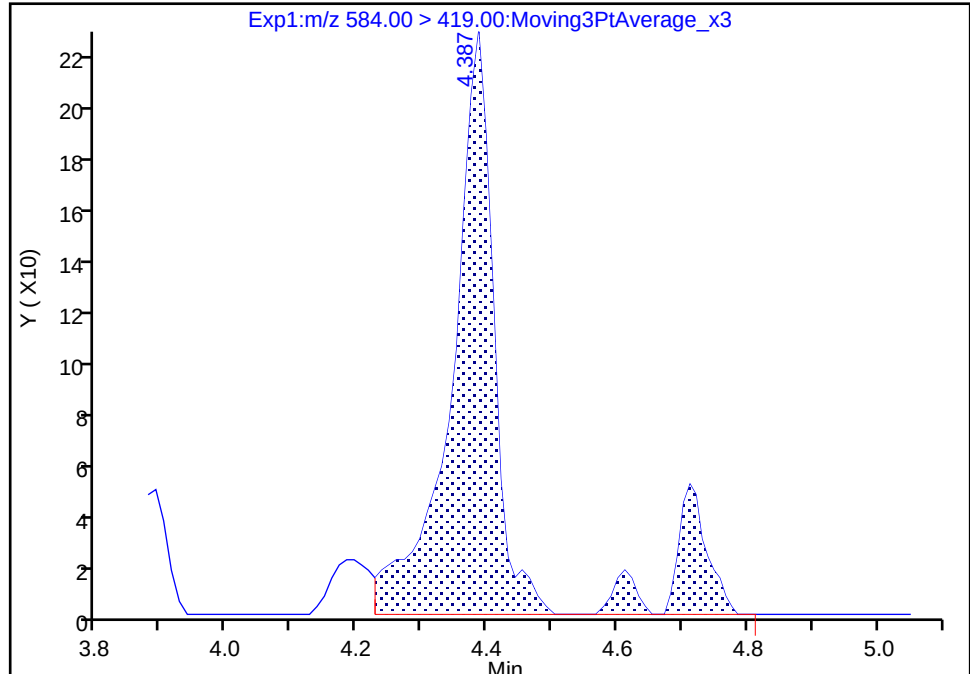
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B06.d		
Injection Date:	11-Aug-2022 19:12:05	Instrument ID:	LC812
Lims ID:	460-263208-A-3-A	Lab Sample ID:	200-263208-3
Client ID:	BCS-09-34 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	6

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

Signal: 1

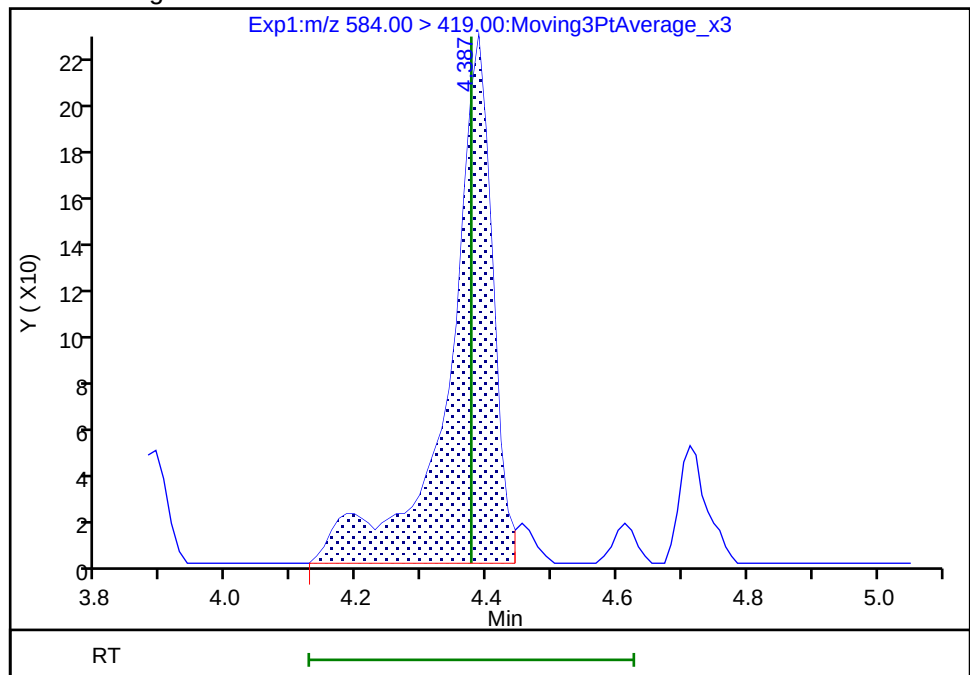
RT: 4.39
Area: 1187
Amount: 0.007843
Amount Units: ng/ml

Processing Integration Results



RT: 4.39
Area: 1052
Amount: 0.006951
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:40:36
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

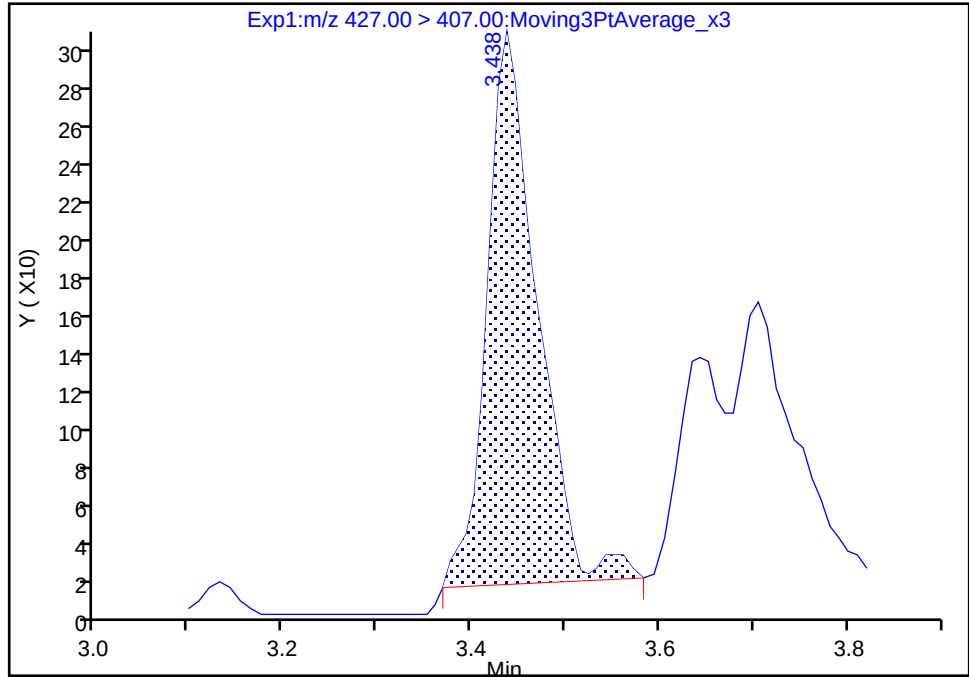
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B06.d		
Injection Date:	11-Aug-2022 19:12:05	Instrument ID:	LC812
Lims ID:	460-263208-A-3-A	Lab Sample ID:	200-263208-3
Client ID:	BCS-09-34 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	6

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

Signal: 1

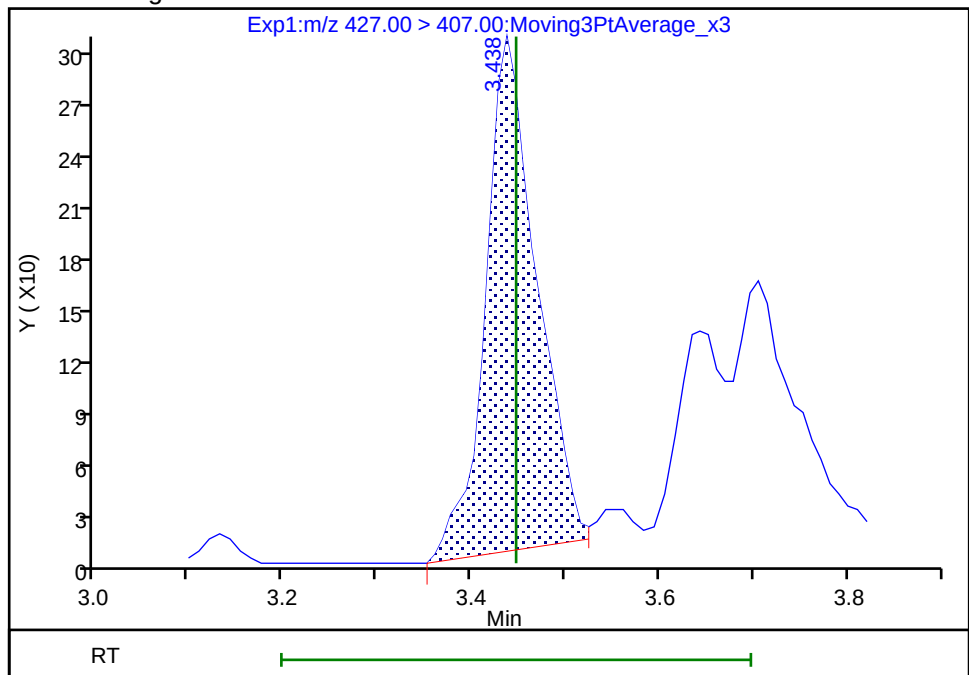
RT: 3.44
Area: 1069
Amount: -0.012753
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 1120
Amount: -0.012560
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:38:20
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

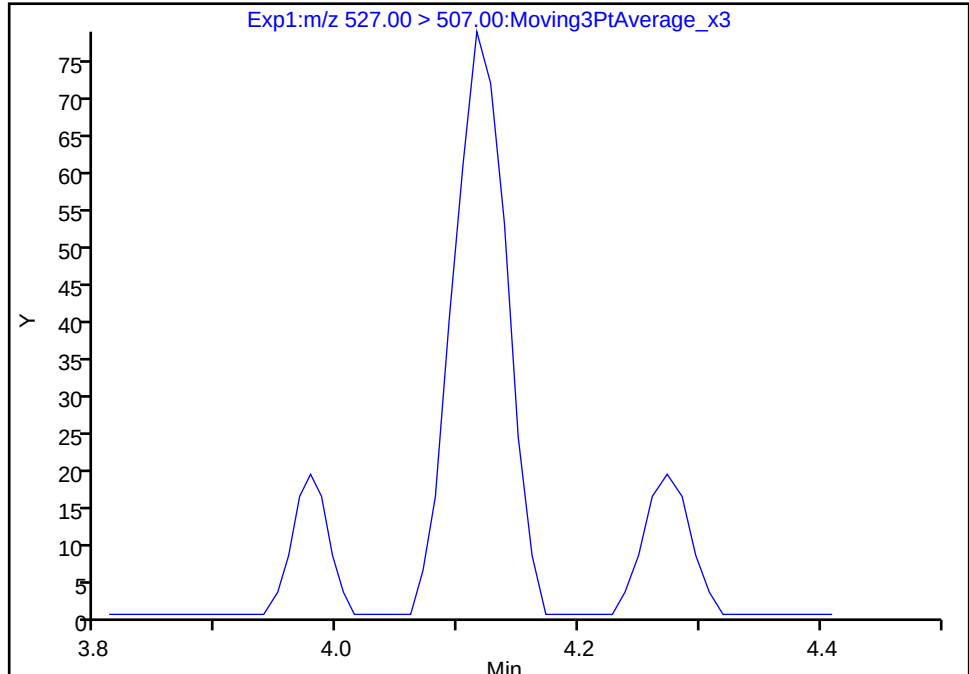
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B06.d		
Injection Date:	11-Aug-2022 19:12:05	Instrument ID:	LC812
Lims ID:	460-263208-A-3-A	Lab Sample ID:	200-263208-3
Client ID:	BCS-09-34 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	6

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

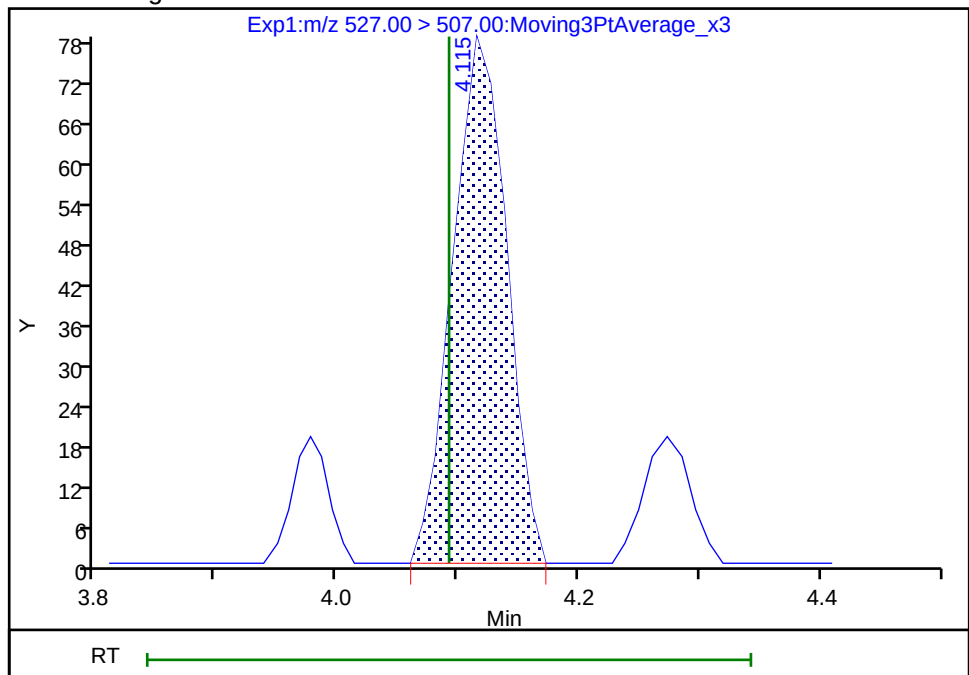
Signal: 1

Not Detected
Expected RT: 4.09

Processing Integration Results



Manual Integration Results



RT: 4.12
Area: 245
Amount: 0.001173
Amount Units: ng/ml

Reviewer: nampitakw, 12-Aug-2022 08:39:39
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

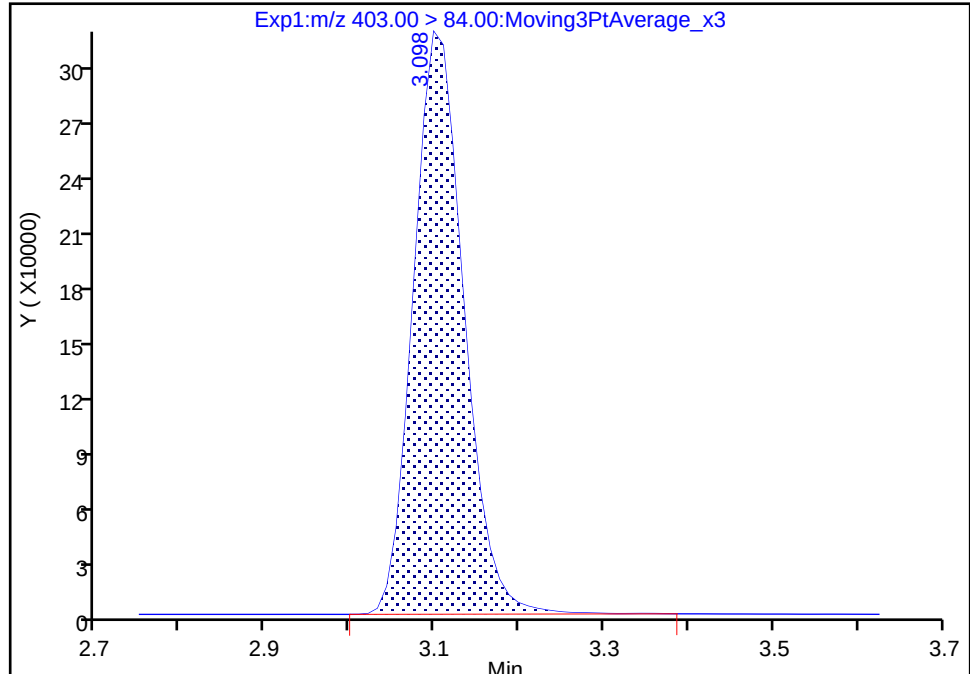
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B06.d		
Injection Date:	11-Aug-2022 19:12:05	Instrument ID:	LC812
Lims ID:	460-263208-A-3-A	Lab Sample ID:	200-263208-3
Client ID:	BCS-09-34 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	6

D 11 18O2 PFHxS, CAS: STL00994

Signal: 1

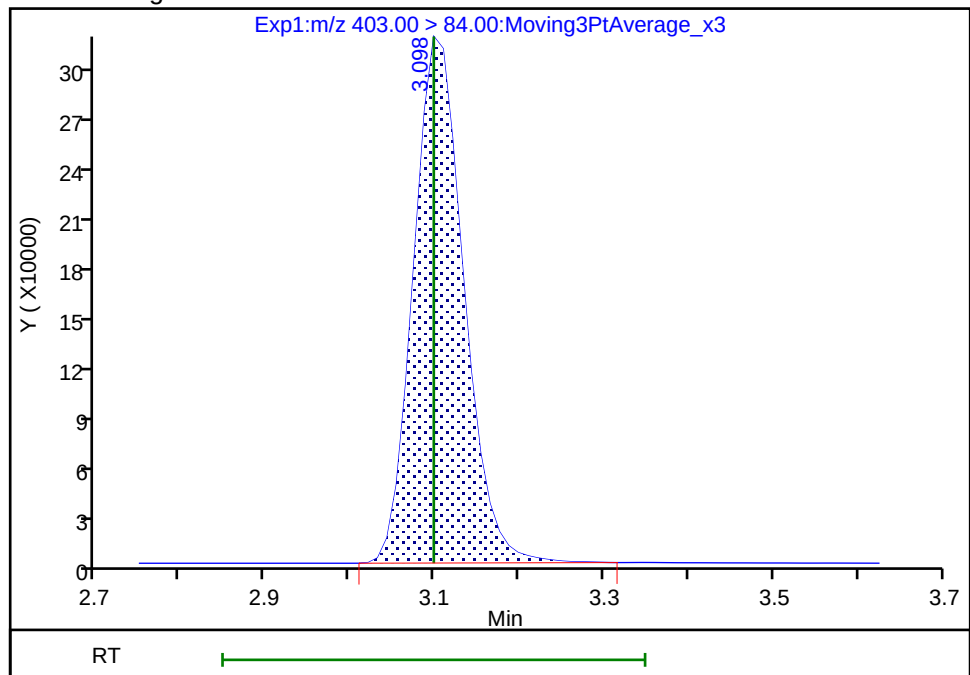
RT: 3.10
Area: 1284258
Amount: 1.102508
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 1282260
Amount: 1.100792
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:35:44
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

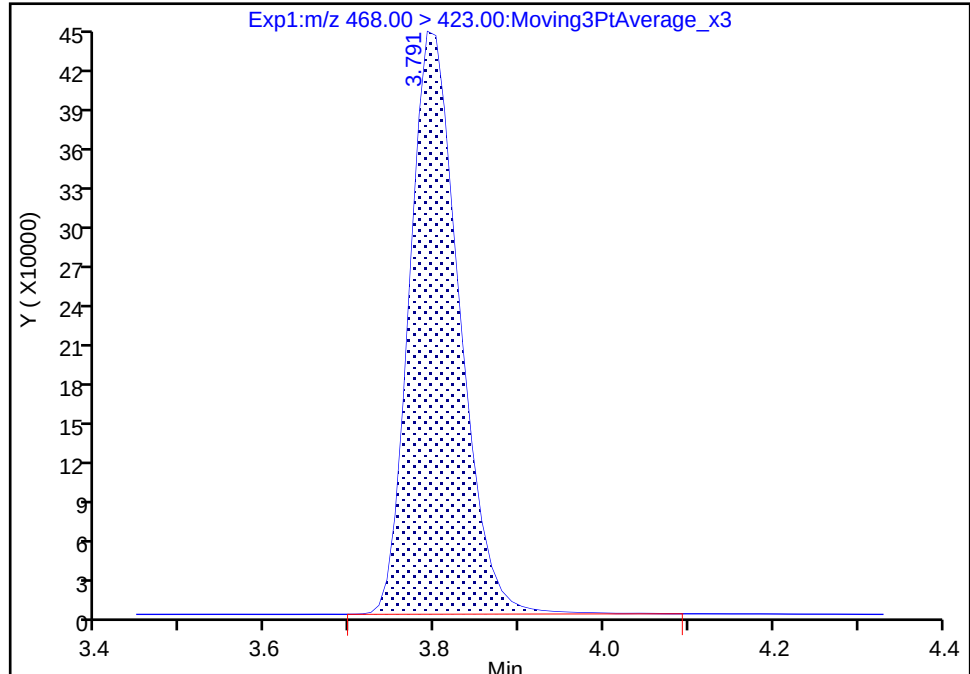
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B06.d		
Injection Date:	11-Aug-2022 19:12:05	Instrument ID:	LC812
Lims ID:	460-263208-A-3-A	Lab Sample ID:	200-263208-3
Client ID:	BCS-09-34 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	6

D 19 13C5 PFNA, CAS: STL00995

Signal: 1

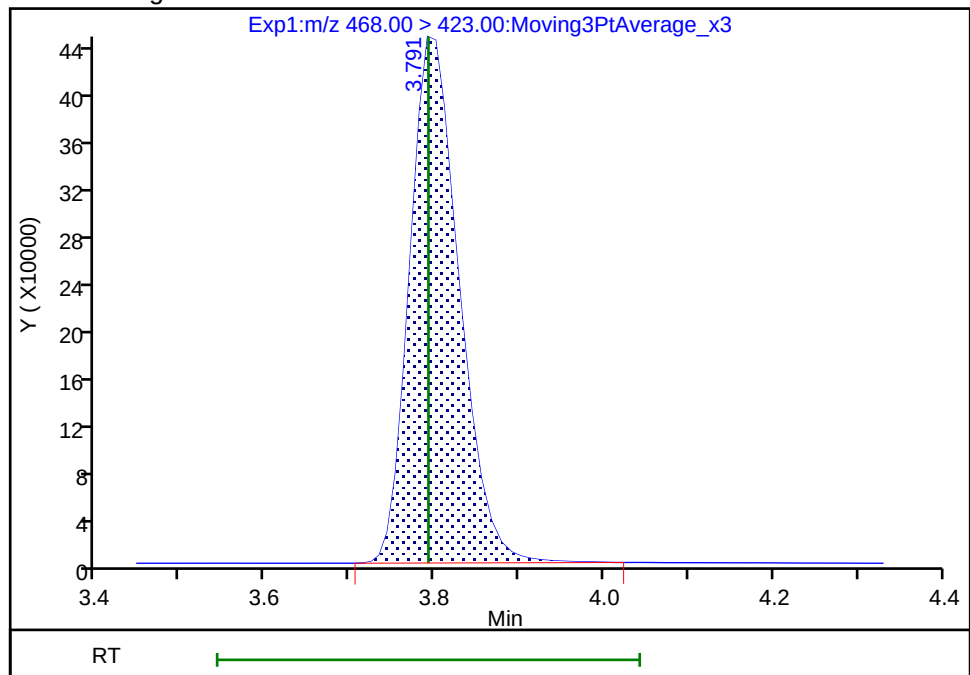
RT: 3.79
Area: 1821833
Amount: 1.155338
Amount Units: ng/ml

Processing Integration Results



RT: 3.79
Area: 1818646
Amount: 1.153317
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:35:57

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

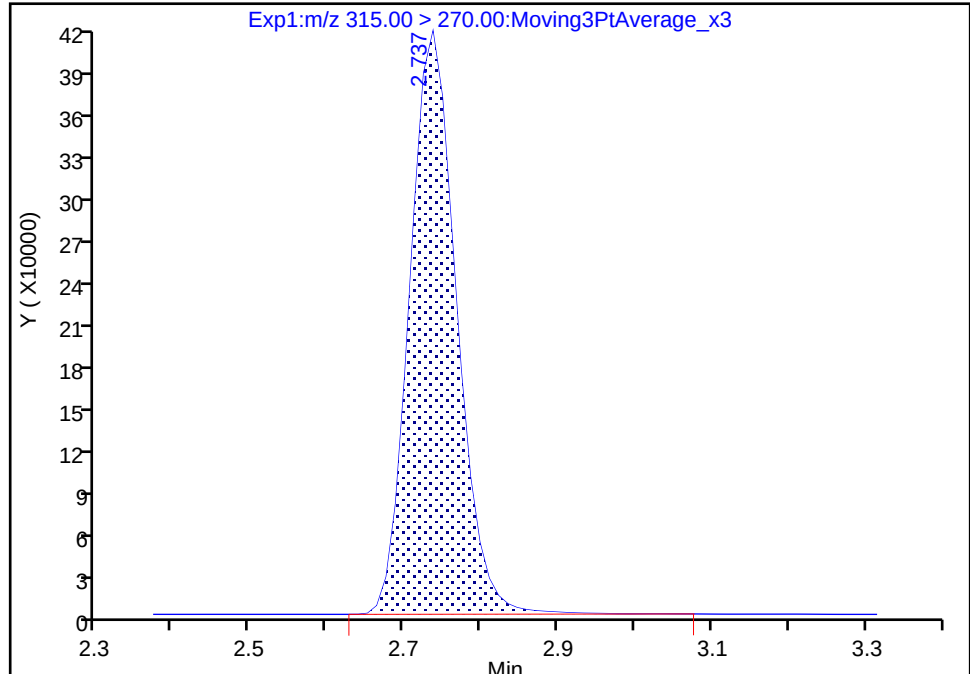
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B06.d		
Injection Date:	11-Aug-2022 19:12:05	Instrument ID:	LC812
Lims ID:	460-263208-A-3-A	Lab Sample ID:	200-263208-3
Client ID:	BCS-09-34 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	6

D 7 13C2 PFHxA, CAS: STL00993

Signal: 1

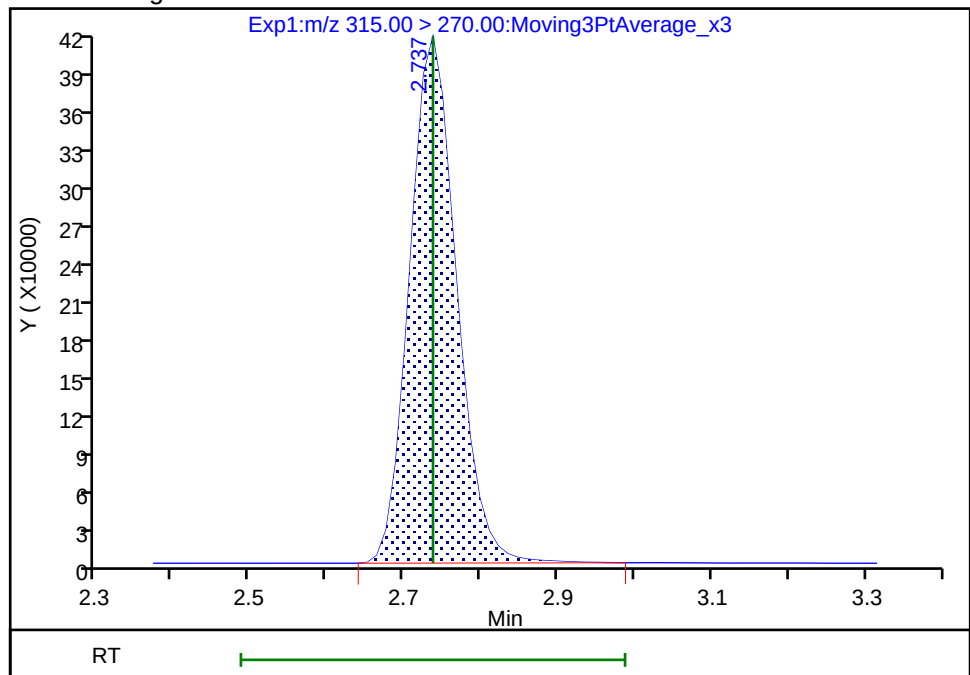
RT: 2.74
Area: 1756123
Amount: 1.228851
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 1753980
Amount: 1.227352
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:35:38

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

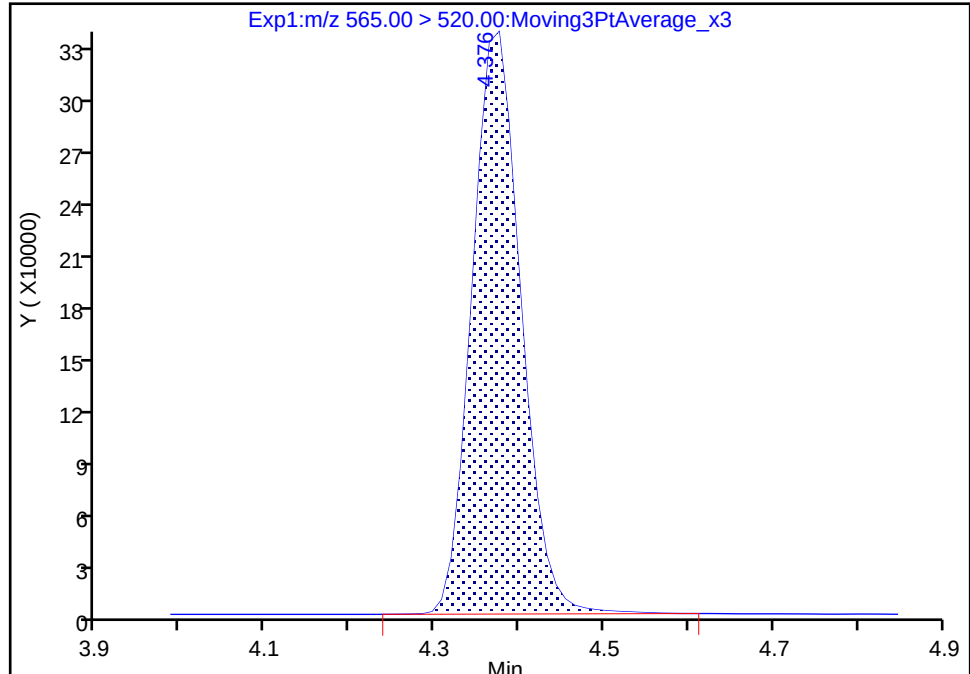
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B06.d		
Injection Date:	11-Aug-2022 19:12:05	Instrument ID:	LC812
Lims ID:	460-263208-A-3-A	Lab Sample ID:	200-263208-3
Client ID:	BCS-09-34 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	6

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

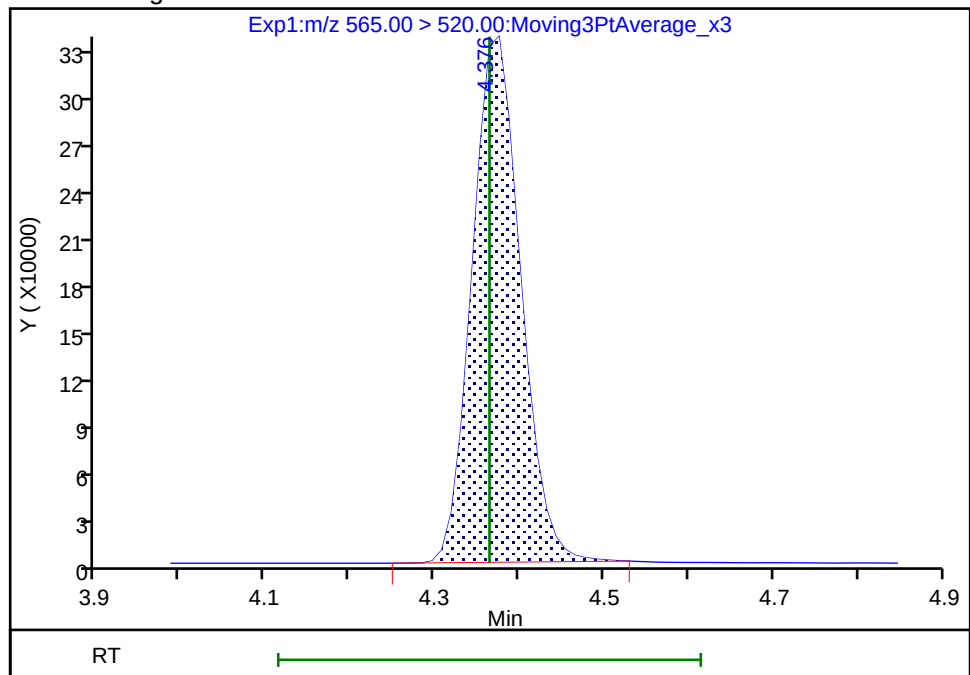
RT: 4.38
Area: 1331637
Amount: 1.145209
Amount Units: ng/ml

Processing Integration Results



RT: 4.38
Area: 1321715
Amount: 1.136676
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 09:49:28
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

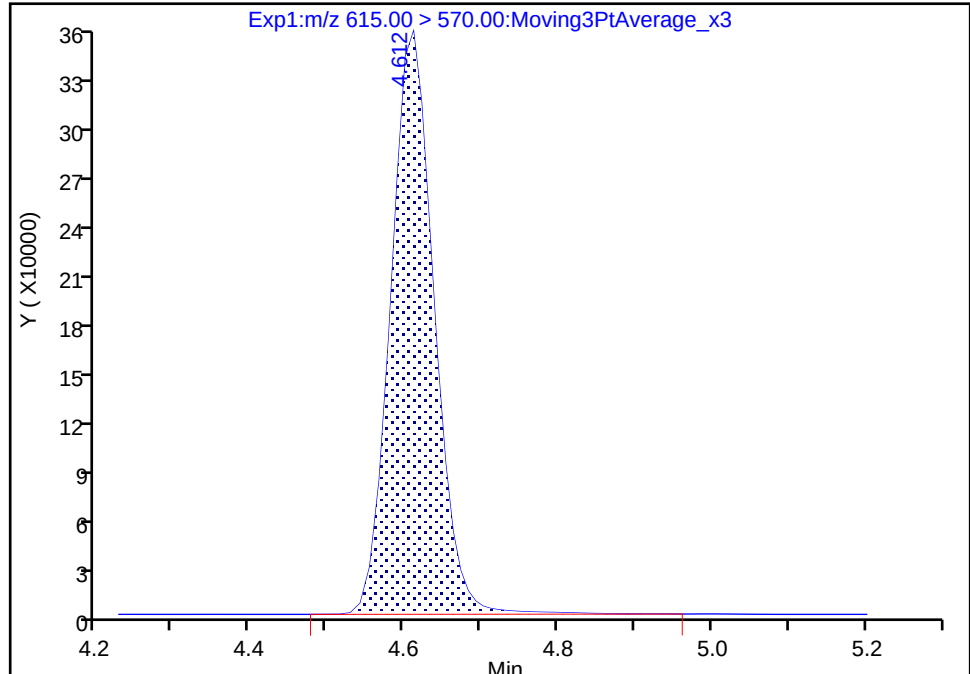
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B06.d		
Injection Date:	11-Aug-2022 19:12:05	Instrument ID:	LC812
Lims ID:	460-263208-A-3-A	Lab Sample ID:	200-263208-3
Client ID:	BCS-09-34 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	6

D 36 13C2 PFD_oA, CAS: STL00998

Signal: 1

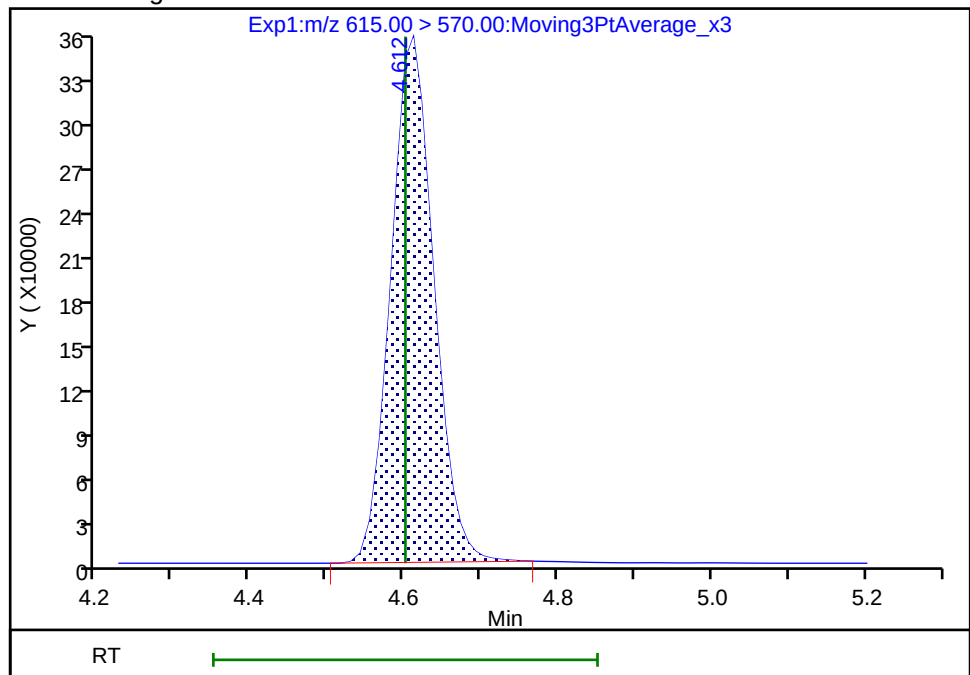
RT: 4.61
Area: 1406557
Amount: 1.167335
Amount Units: ng/ml

Processing Integration Results



RT: 4.61
Area: 1390781
Amount: 1.154242
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 09:49:39

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

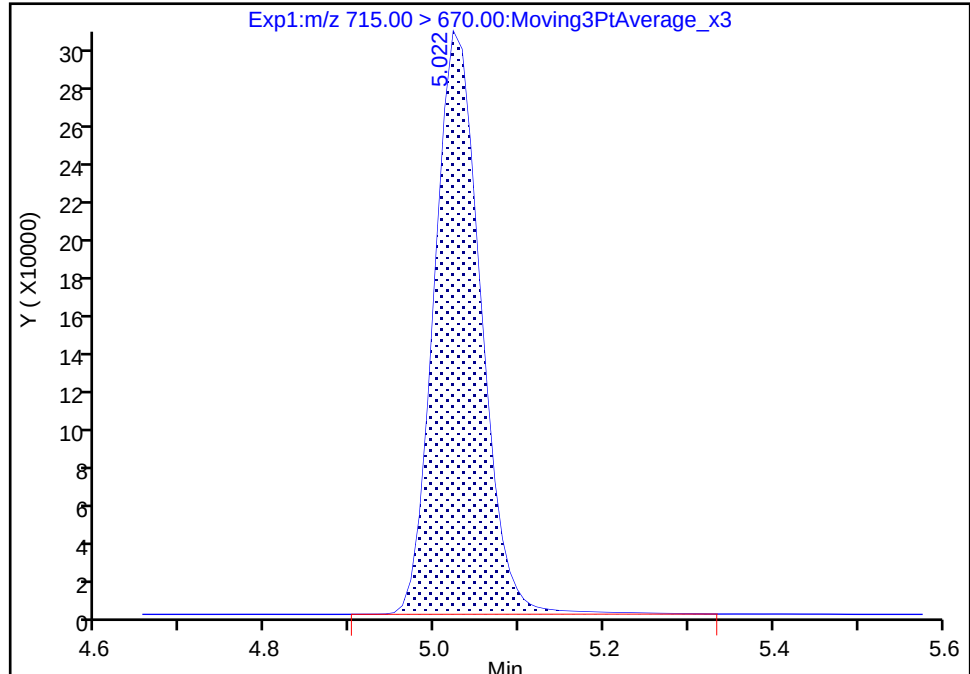
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B06.d		
Injection Date:	11-Aug-2022 19:12:05	Instrument ID:	LC812
Lims ID:	460-263208-A-3-A	Lab Sample ID:	200-263208-3
Client ID:	BCS-09-34 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	6

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

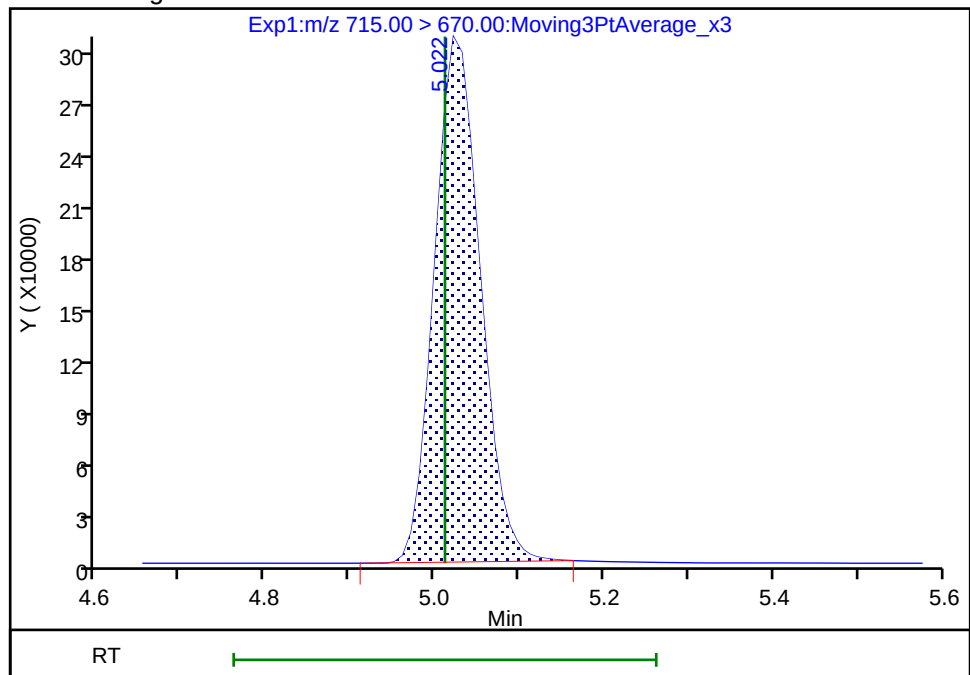
RT: 5.02
Area: 1152723
Amount: 1.170282
Amount Units: ng/ml

Processing Integration Results



RT: 5.02
Area: 1136672
Amount: 1.153986
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 09:49:45
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

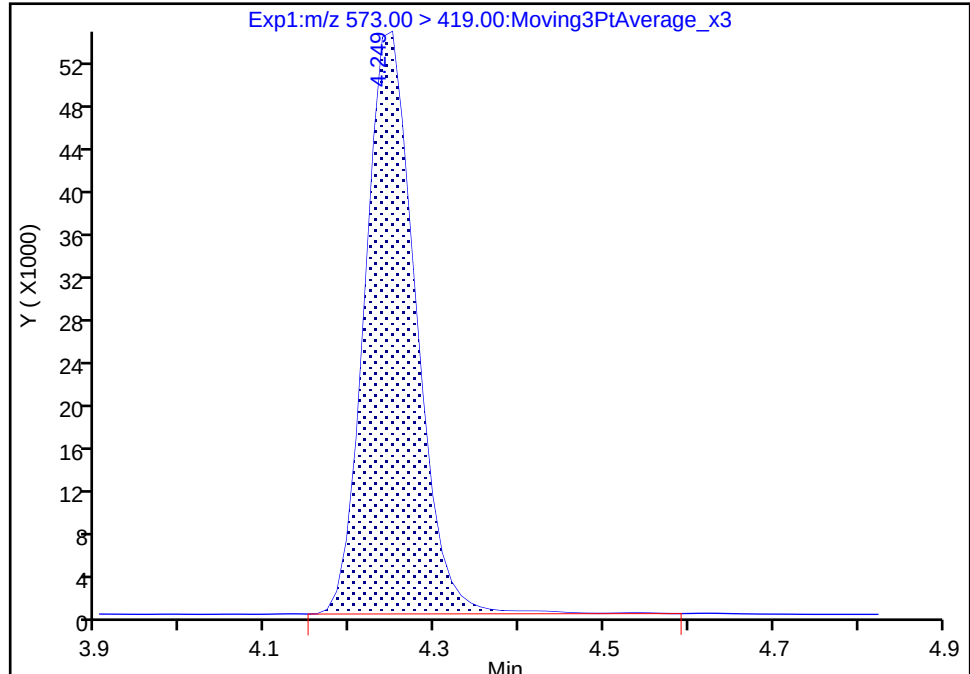
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B06.d		
Injection Date:	11-Aug-2022 19:12:05	Instrument ID:	LC812
Lims ID:	460-263208-A-3-A	Lab Sample ID:	200-263208-3
Client ID:	BCS-09-34 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	6

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

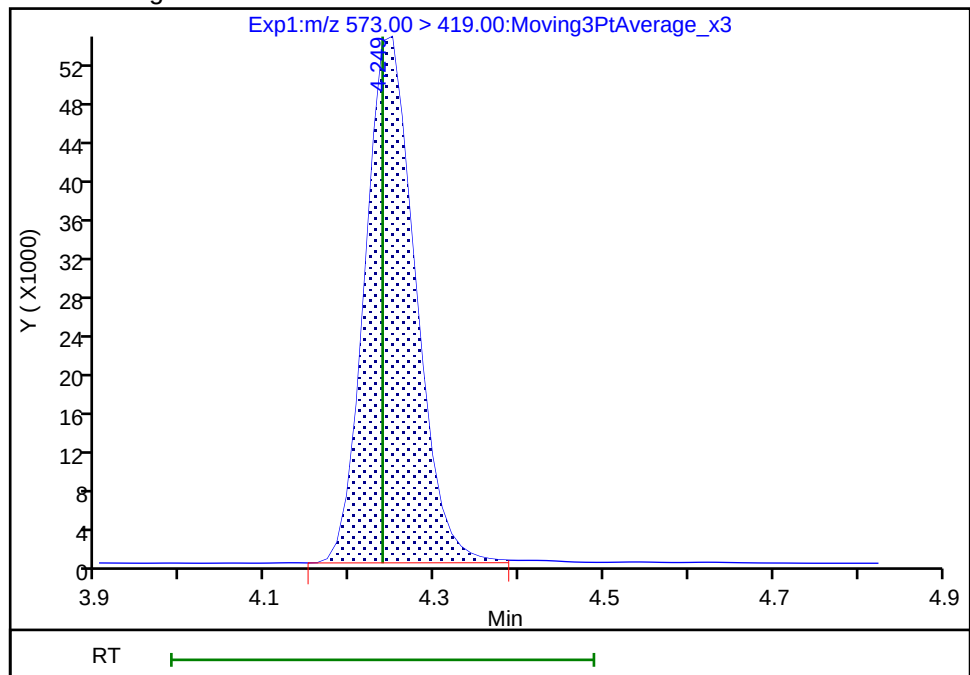
RT: 4.25
Area: 227219
Amount: 1.104640
Amount Units: ng/ml

Processing Integration Results



RT: 4.25
Area: 226016
Amount: 1.098791
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:36:16

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

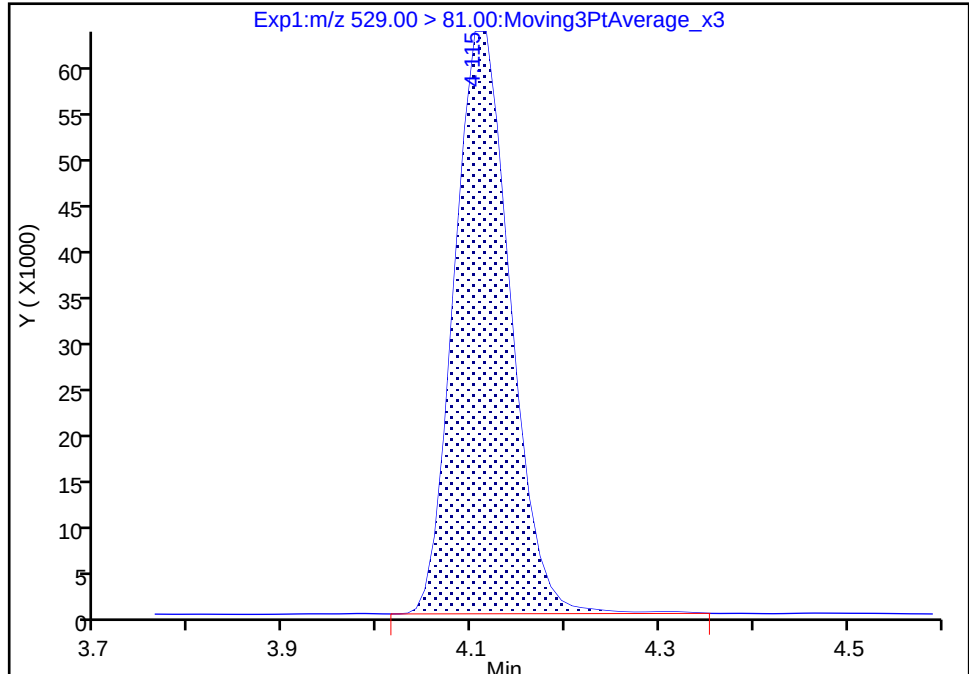
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B06.d		
Injection Date:	11-Aug-2022 19:12:05	Instrument ID:	LC812
Lims ID:	460-263208-A-3-A	Lab Sample ID:	200-263208-3
Client ID:	BCS-09-34 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	6

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

Signal: 1

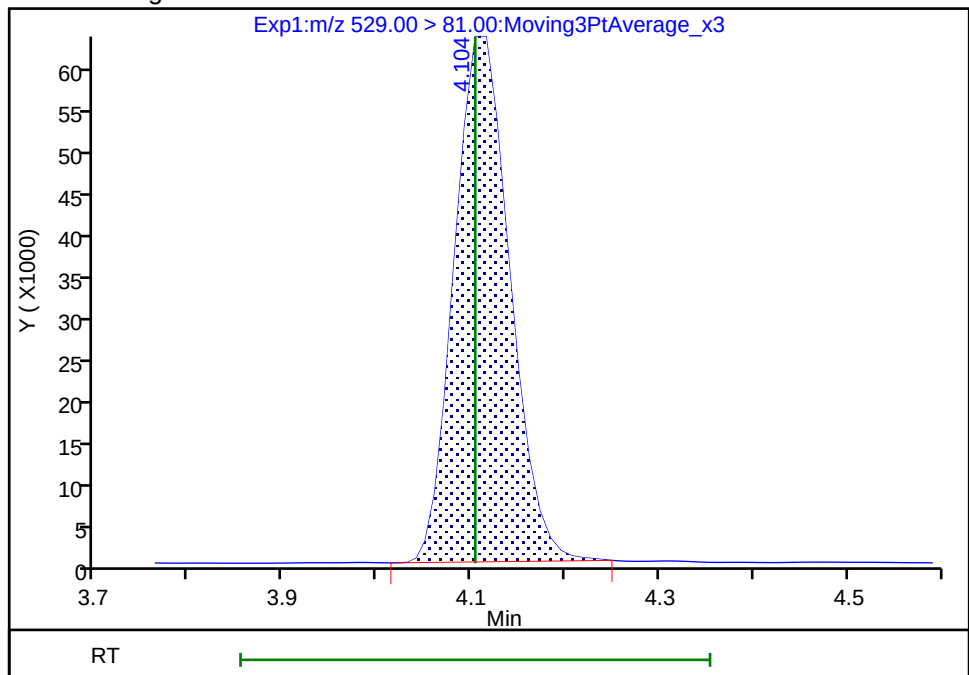
RT: 4.12
Area: 261640
Amount: 1.115343
Amount Units: ng/ml

Processing Integration Results



RT: 4.10
Area: 259023
Amount: 1.104187
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 09:49:15
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

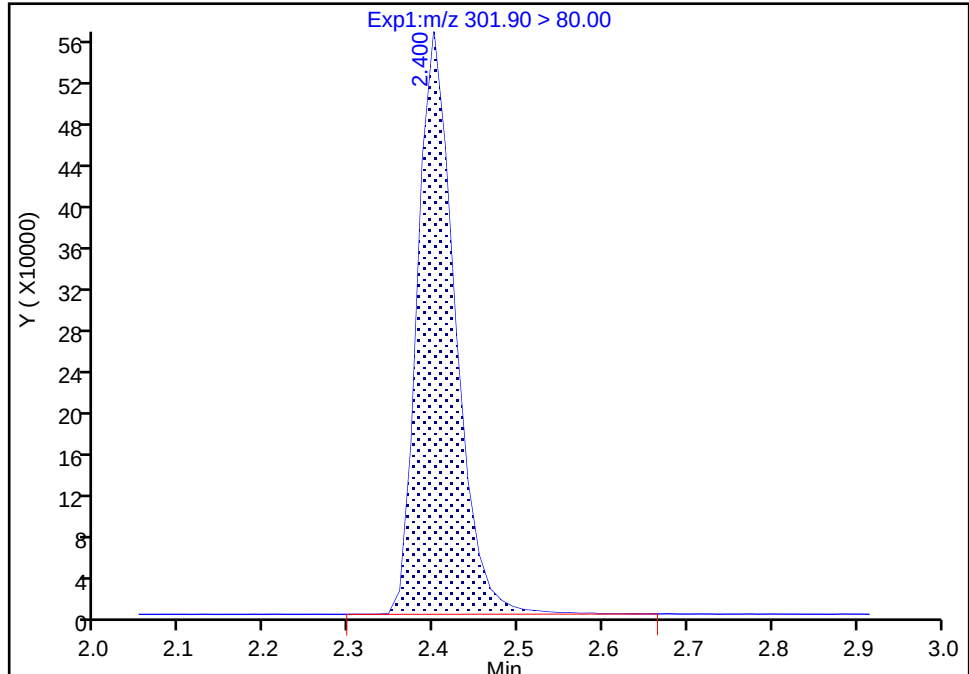
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B06.d		
Injection Date:	11-Aug-2022 19:12:05	Instrument ID:	LC812
Lims ID:	460-263208-A-3-A	Lab Sample ID:	200-263208-3
Client ID:	BCS-09-34 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	6

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

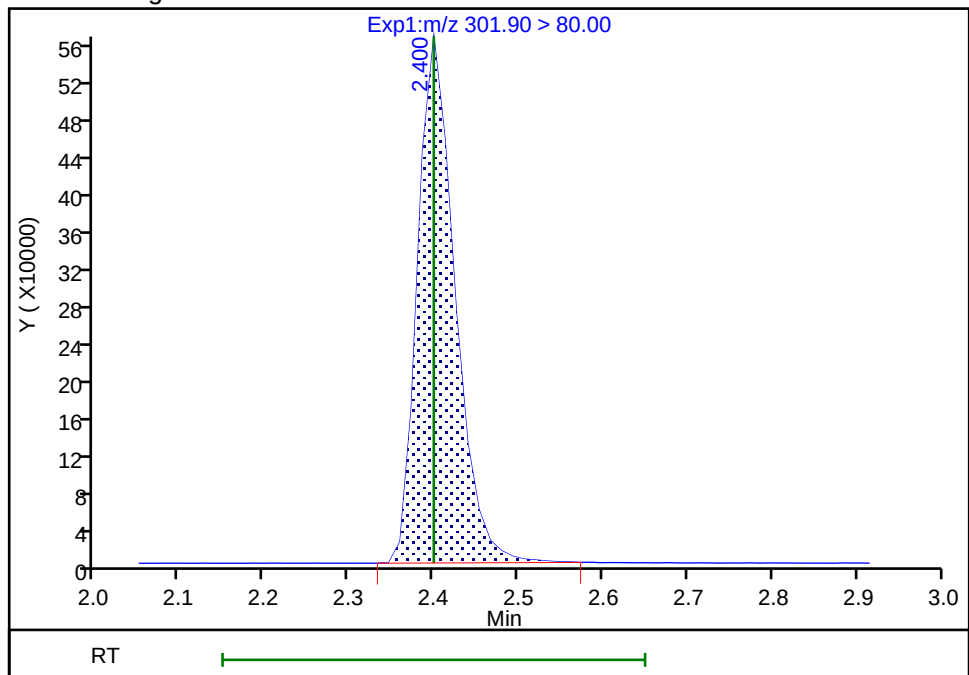
RT: 2.40
Area: 1747962
Amount: 1.055381
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 1741476
Amount: 1.051465
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:35:32

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-263208-1

SDG No.: _____

Client Sample ID: BCS-09-35 (5-5.5)P Lab Sample ID: 460-263208-4

Matrix: Solid Lab File ID: PA220811B07.d

Analysis Method: 537 (modified) Date Collected: 08/03/2022 13:35

Extraction Method: SHAKE Date Extracted: 08/10/2022 17:30

Sample wt/vol: 5.07(g) Date Analyzed: 08/11/2022 19:20

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

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

% Moisture: 14.8 % Solids: 85.2 GPC Cleanup: (Y/N) N

Cleanup Factor: _____

Analysis Batch No.: 182595 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)	0.068	J	0.23	0.053
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.086	J	0.23	0.045
335-67-1	Perfluorooctanoic acid (PFOA)	0.29		0.23	0.067
375-95-1	Perfluorononanoic acid (PFNA)	0.061	J	0.23	0.039
335-76-2	Perfluorodecanoic acid (PFDA)	0.23	U	0.23	0.032
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	0.047
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	0.23	U	0.23	0.027
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.26		0.23	0.13
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.23	U	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.: 460-263208-1
 SDG No.: _____
 Client Sample ID: BCS-09-35 (5-5.5)P Lab Sample ID: 460-263208-4
 Matrix: Solid Lab File ID: PA220811B07.d
 Analysis Method: 537 (modified) Date Collected: 08/03/2022 13:35
 Extraction Method: SHAKE Date Extracted: 08/10/2022 17:30
 Sample wt/vol: 5.07(g) Date Analyzed: 08/11/2022 19:20
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 20(uL) GC Column: C-18 ID: 4.6 (mm)
 % Moisture: 14.8 % Solids: 85.2 GPC Cleanup: (Y/N) N
 Cleanup Factor: _____
 Analysis Batch No.: 182595 Units: ug/Kg

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	89		50-150
STL01892	13C4 PFHpA	97		50-150
STL00990	13C4 PFOA	96		50-150
STL00991	13C4 PFOS	88		50-150
STL00995	13C5 PFNA	96		50-150
STL00992	13C4 PFBA	90		50-150
STL00993	13C2 PFHxA	97		50-150
STL00996	13C2 PFDA	99		50-150
STL00997	13C2 PFUnA	95		50-150
STL00998	13C2 PFDoA	95		50-150
STL01056	13C8 FOSA	75		50-150
STL01893	13C5 PFPeA	95		50-150
STL02116	13C2 PFTeDA	96		50-150
STL02118	d3-NMeFOSAA	90		50-150
STL02117	d5-NEtFOSAA	88		50-150
STL02279	M2-6:2 FTS	93		50-150
STL02280	M2-8:2 FTS	92		50-150
STL02337	13C3 PFBS	85		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B07.d
 Lims ID: 460-263208-A-4-A
 Client ID: BCS-09-35 (5-5.5)P
 Sample Type: Client
 Inject. Date: 11-Aug-2022 19:20:16 ALS Bottle#: 7 Worklist Smp#: 7
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: 460-263208-A-4-A
 Misc. Info.: 200-0052043-007 Plate: 1 Rack: 2
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 12-Aug-2022 12:19:48 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: CTX1609

First Level Reviewer: nampitakw

Date: 12-Aug-2022 08:49:02

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										M
217.00 > 172.00	2.076	2.076	0.0	0.599	2075633	1.13		90.4	9251	M
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.085	2.076	0.009	1.004	26332	0.0164			3.0	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.386	2.386	0.0	0.689	1683795	1.19		95.4	3311	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.386	2.386	0.0	1.000	26733	0.0193			0.9	M
D 47 13C3 PFBS										M
301.90 > 80.00	2.400	2.400	0.0	0.693	1607517	0.9839		84.6	261415	M
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.413	2.413	0.0	1.006	4968	0.003255	Target=2.23		5.1	M
298.90 > 99.00	2.400	2.413	-0.013	1.000	2012		2.47(1.11-3.34)		1.2	M
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.737	2.737	0.0	1.000	41761	0.0293	Target=12.24		9.0	M
313.00 > 119.00	2.737	2.737	0.0	1.000	2745		15.21(6.12-18.36)		5.0	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.737	2.737	0.0	0.790	1706567	1.21		96.8	2862	
D 11 18O2 PFHxS										
403.00 > 84.00	3.098	3.098	0.0	0.895	1203601	1.05		88.6	3071	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.109	3.098	0.011	1.004	12798	0.0114	Target=3.43		34.2	M
399.00 > 99.00	3.109	3.098	0.011	1.004	2711		4.72(1.72-5.15)		3.1	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.109	3.098	0.011	0.898	1778192	1.22		97.3	3330	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.109	3.110	-0.001	1.000	54213	0.0370	Target=3.73		17.1	M
363.00 > 169.00	3.109	3.110	-0.001	1.000	13385		4.05(1.86-5.59)		33.8	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	3.455	3.447	0.008	0.997	213470	1.11		93.5	557	
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.446	3.447	-0.001	0.997	772	-0.0139			5.6	M
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.446	3.447	-0.001	0.911	1508	0.001617	Target=4.89		5.4	M
449.00 > 99.00	3.446	3.447	-0.001	0.911	465		3.24(2.44-7.33)		2.2	
D 14 13C4 PFOA										
417.00 > 372.00	3.464	3.456	0.008	1.000	1806862	1.21		96.5	2818	M
* 62 13C2 PFOA										
415.00 > 370.00	3.464	3.456	0.008		1966343	1.25			3812	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.464	3.456	0.008	1.000	201997	0.1246	Target=2.67		24.1	M
413.00 > 169.00	3.464	3.456	0.008	1.000	76190		2.65(1.34-4.01)		157	M
D 18 13C4 PFOS										
503.00 > 80.00	3.781	3.773	0.008	1.092	901543	1.05		87.9	2939	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.781	3.773	0.008	1.000	99728	0.1144	Target=4.88		83.2	M
499.00 > 99.00	3.781	3.773	0.008	1.000	21272		4.69(2.44-7.32)		80.9	M
20 Perfluorononanoic acid										M
463.00 > 419.00	3.801	3.792	0.009	1.000	39975	0.0264	Target=8.23		15.2	M
463.00 > 169.00	3.791	3.792	-0.001	0.997	4440		9.00(4.11-12.34)		65.4	M
D 19 13C5 PFNA										
468.00 > 423.00	3.801	3.792	0.009	1.097	1859109	1.20		95.6	2205	M
D 23 13C2 PFDA										
515.00 > 470.00	4.104	4.092	0.012	1.185	1877547	1.24		99.2	1753	
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.104	4.092	0.012	1.000	9767	0.006183	Target=9.67		6.9	M
513.00 > 169.00	4.104	4.092	0.012	1.000	1531		6.38(4.83-14.50)		9.6	M
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.104	4.092	0.012	1.000	340	0.001648			7.2	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.104	4.104	0.0	1.185	255892	1.11		92.3	1030	
D 21 13C8 FOSA										
506.00 > 78.00	4.161	4.150	0.011	1.201	1248552	0.9423		75.4	2591	
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.150	4.161	-0.011	0.997	1773	0.001742			8.5	M
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.238	4.238	0.0	1.224	227681	1.12		89.8	1132	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.217	4.238	-0.021	0.995	93	0.000575			0.5	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.342	4.330	0.012	1.148	3220	0.007325	Target=2.80		3.9	M
599.00 > 99.00	4.330	4.330	0.0	1.145	1666		1.93(1.40-4.20)		9.5	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.364	4.364	0.0	1.260	1360404	1.19		94.9	1586	M

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	4.364	4.364	0.0	1.000	1919	0.001664	Target=9.07	1.6		RM
563.00 > 169.00	4.364	4.364	0.0	1.000	97		19.78(4.54-13.61)	1.6		M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.376	4.376	0.0	1.263	211260	1.10		88.0	595	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.261	4.376	-0.115	0.974	1047	0.006823		8.9		M
D 36 13C2 PFDaA										
615.00 > 570.00	4.612	4.601	0.011	1.331	1411981	1.19		95.0	2166	
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.601	4.601	0.0	0.998	1679	0.001466	Target=6.97	0.3		M
613.00 > 169.00	4.622	4.601	0.021	1.002	310		5.42(3.48-10.45)	3.3		M
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.837	4.813	0.024	1.049	982	0.000989	Target=4.56	0.2		M
663.00 > 169.00	4.824	4.813	0.011	1.046	187		5.25(2.28-6.84)	3.0		M
D 43 13C2 PFTeDA										M
715.00 > 670.00	5.022	5.012	0.010	1.450	1166608	1.20		96.0	1960	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.022	5.012	0.010	1.000	300	0.002006	Target=0.94	7.2		M
713.00 > 219.00	5.022	5.012	0.010	1.000	246		1.22(0.47-1.41)	9.2		M

QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B07.d

Injection Date: 11-Aug-2022 19:20:16

Instrument ID: LC812

Lims ID: 460-263208-A-4-A

Lab Sample ID: 200-263208-4

Client ID: BCS-09-35 (5-5.5)P

Operator ID: lc812tech

ALS Bottle#: 7

Worklist Smp#: 7

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

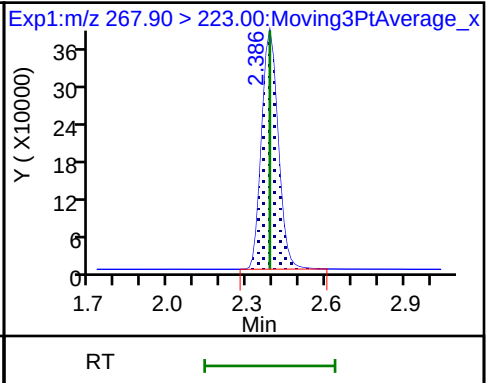
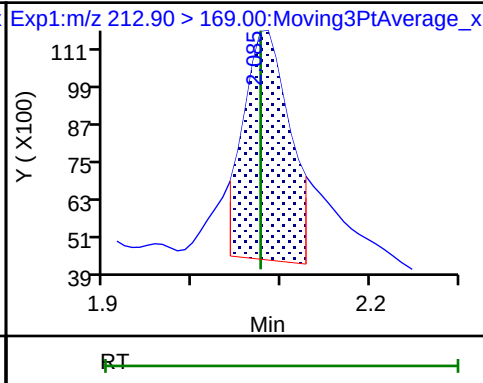
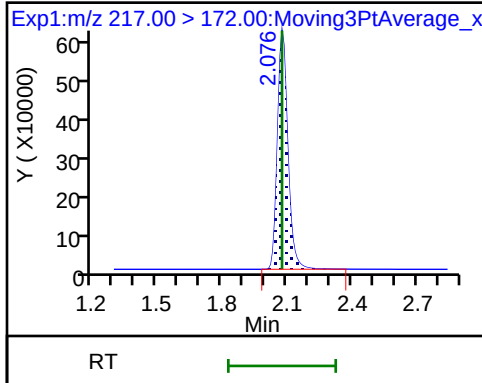
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA (M)

2 Perfluorobutanoic acid (M)

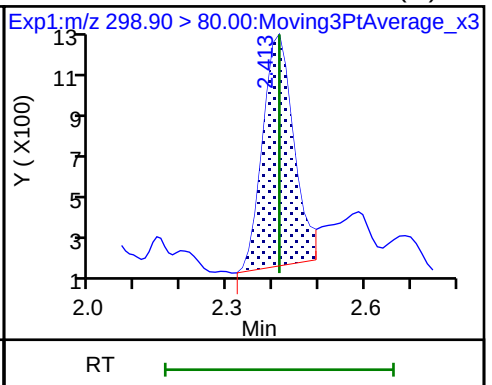
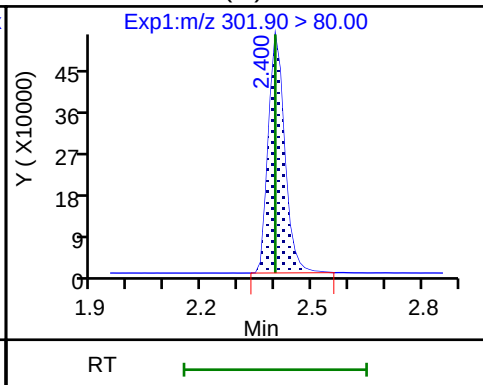
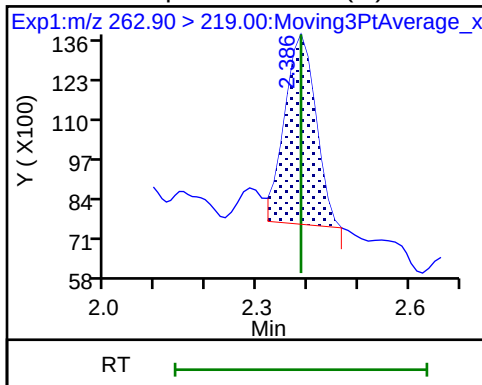
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

D 47 13C3 PFBS (M)

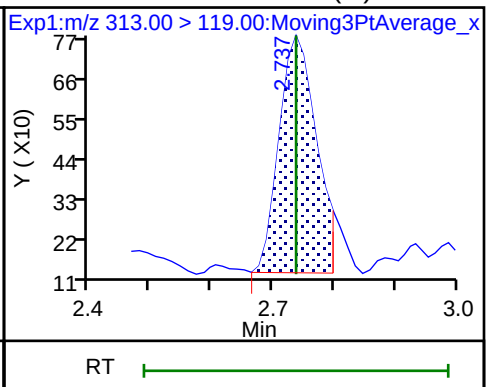
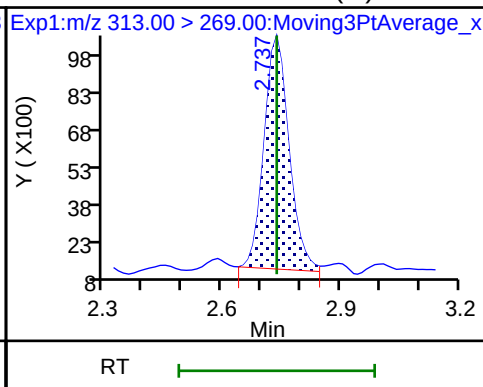
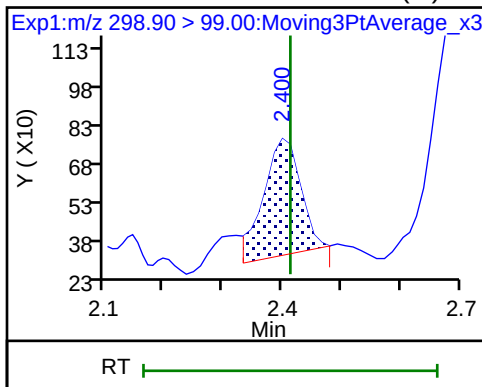
5 Perfluorobutanesulfonic acid (M)



5 Perfluorobutanesulfonic acid (M)

6 Perfluorohexanoic acid (M)

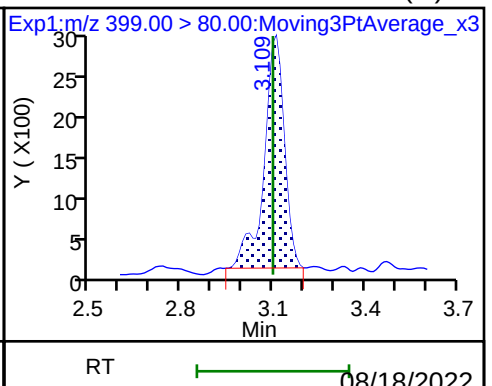
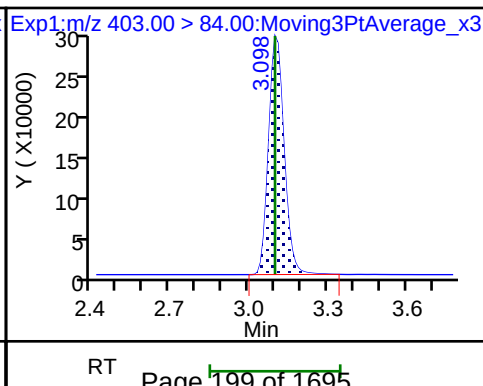
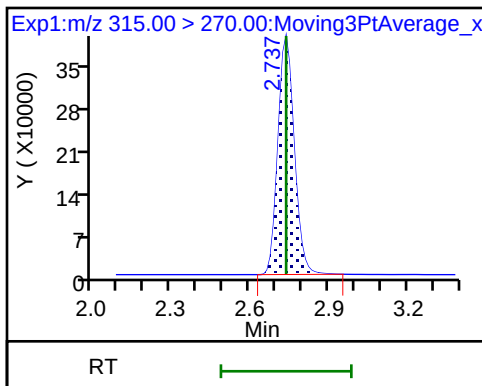
6 Perfluorohexanoic acid (M)

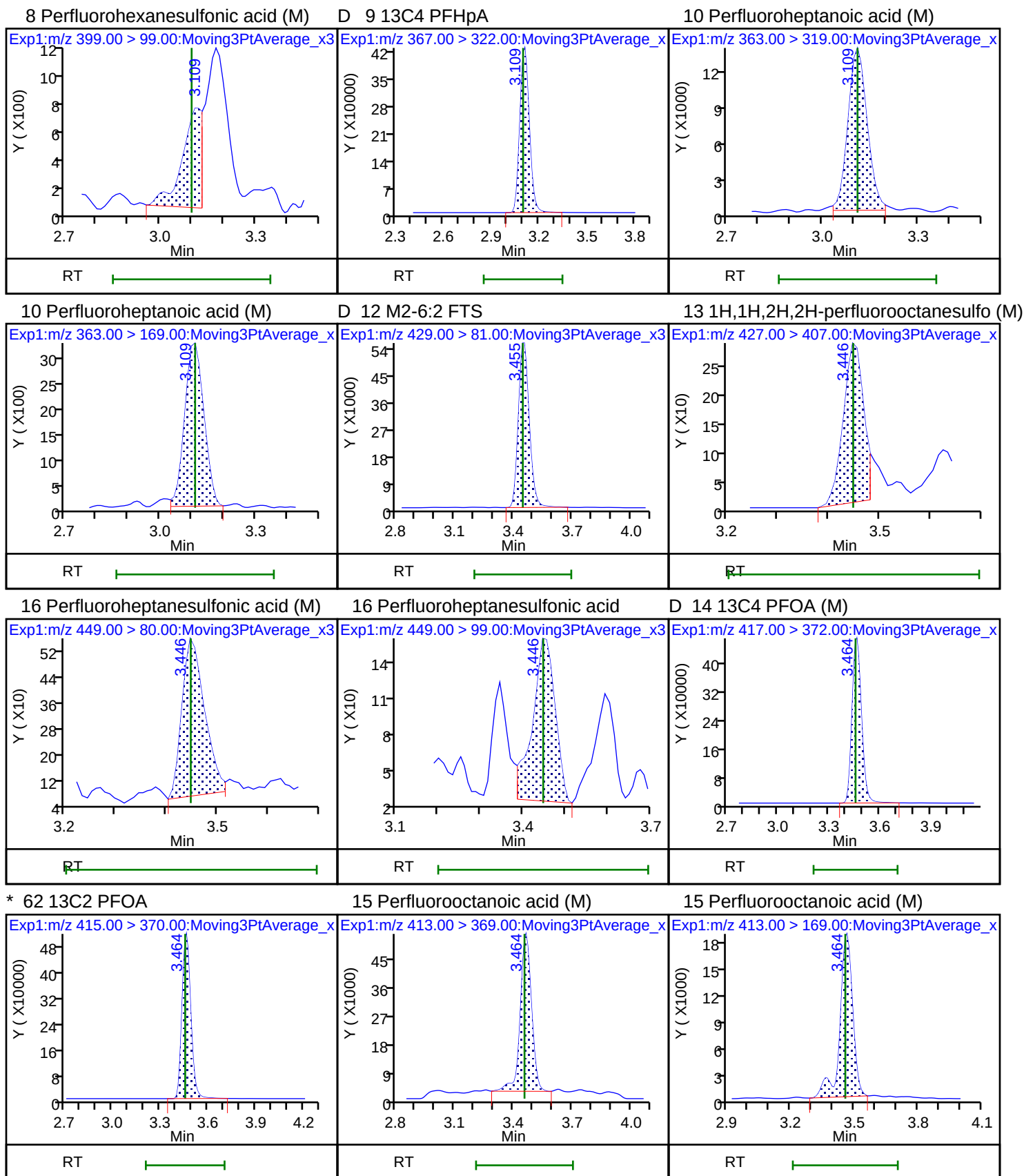


D 7 13C2 PFHxA

D 11 18O2 PFHxS

8 Perfluorohexanesulfonic acid (M)

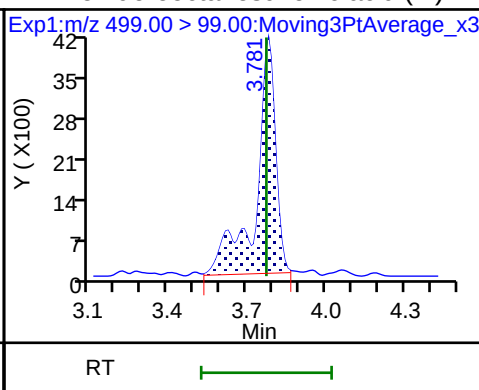
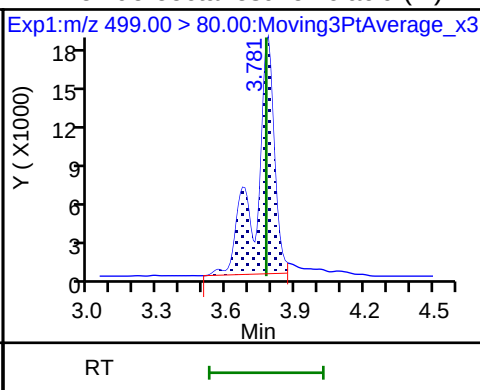
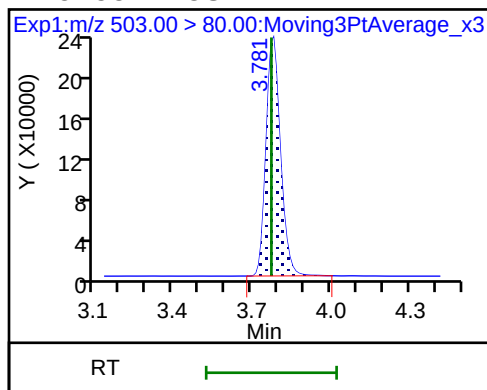




D 18 13C4 PFOS

17 Perfluorooctanesulfonic acid (M)

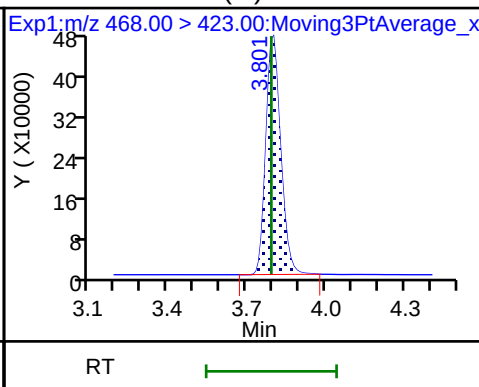
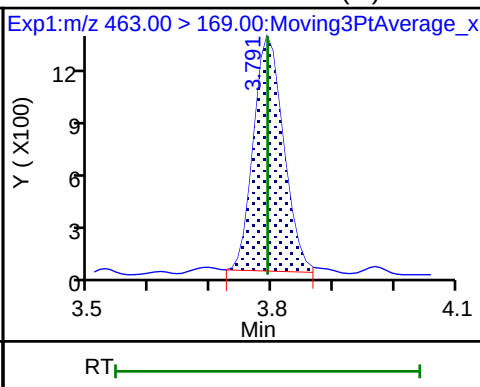
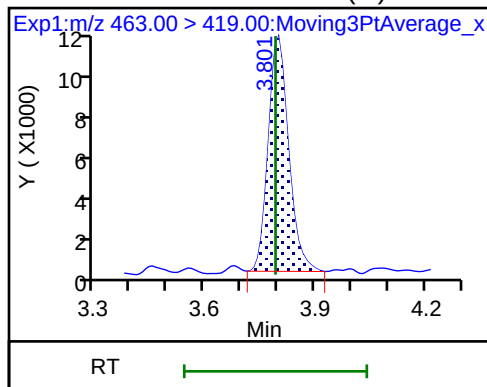
17 Perfluorooctanesulfonic acid (M)



20 Perfluorononanoic acid (M)

20 Perfluorononanoic acid (M)

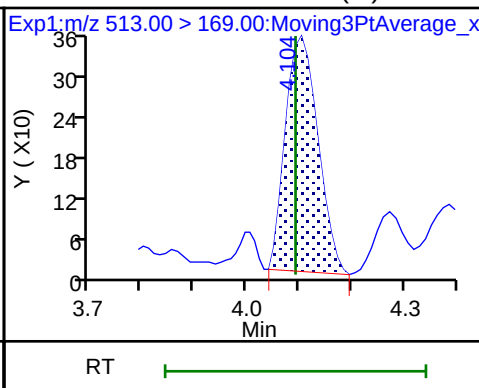
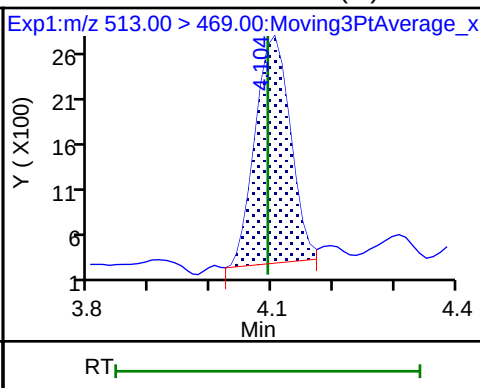
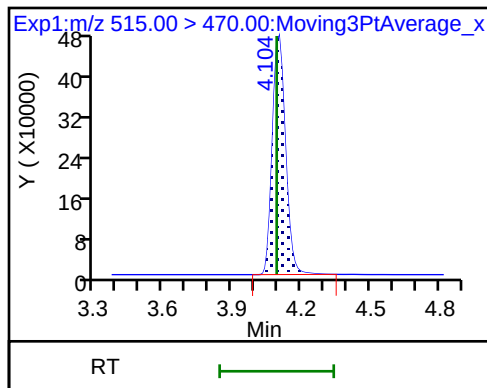
D 19 13C5 PFNA (M)



D 23 13C2 PFDA

24 Perfluorodecanoic acid (M)

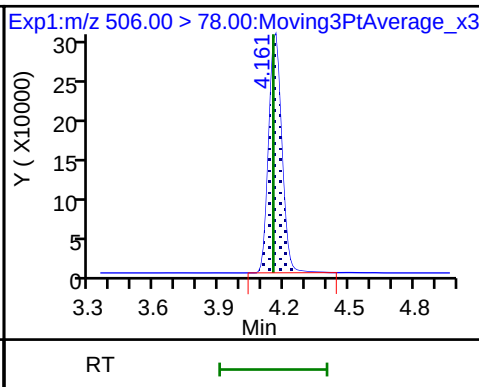
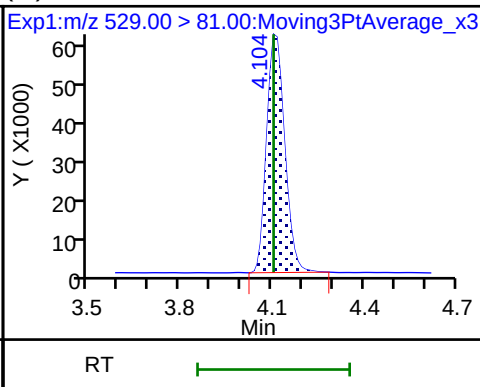
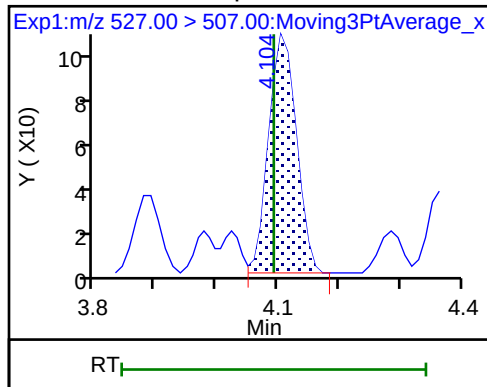
24 Perfluorodecanoic acid (M)

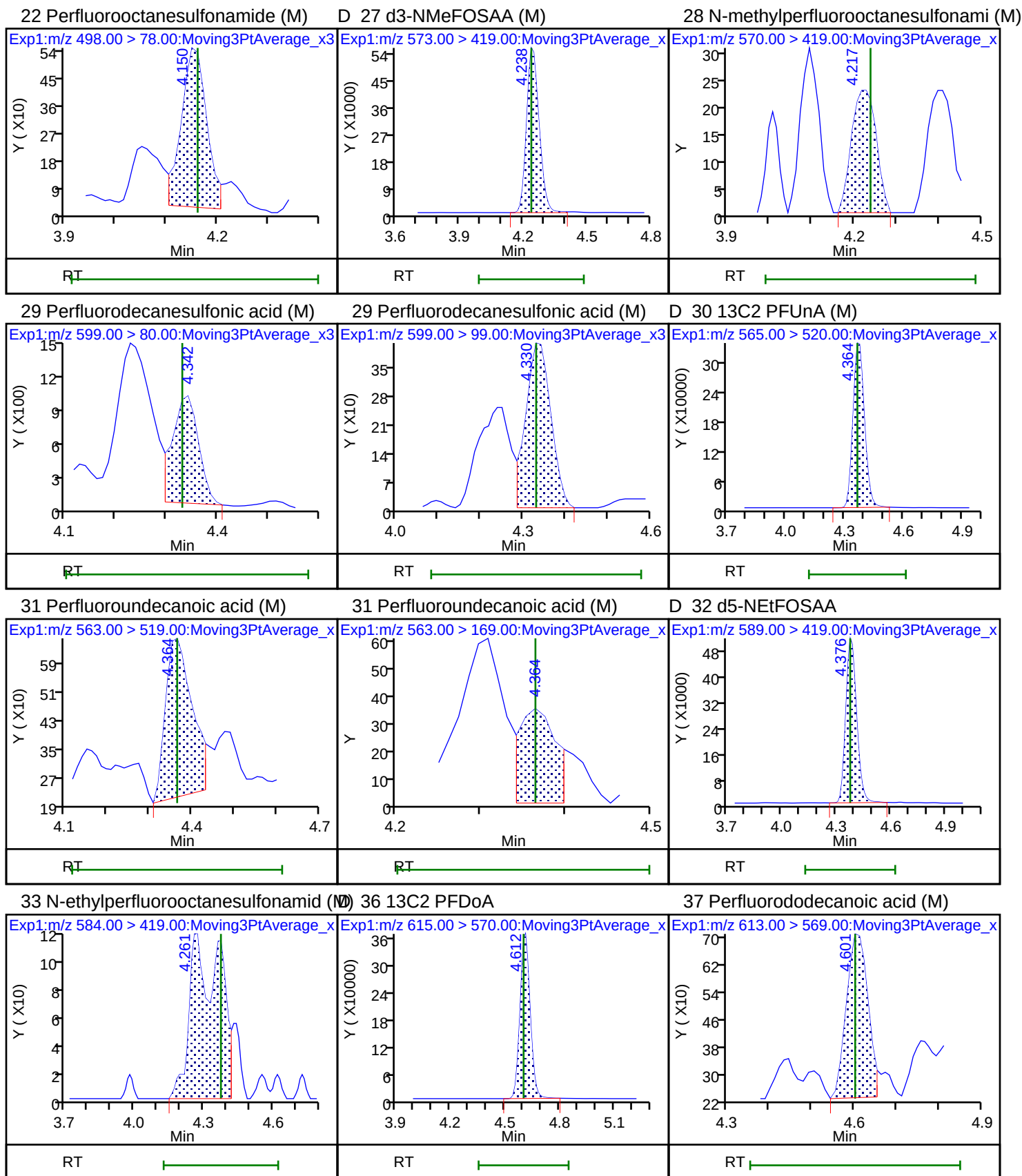


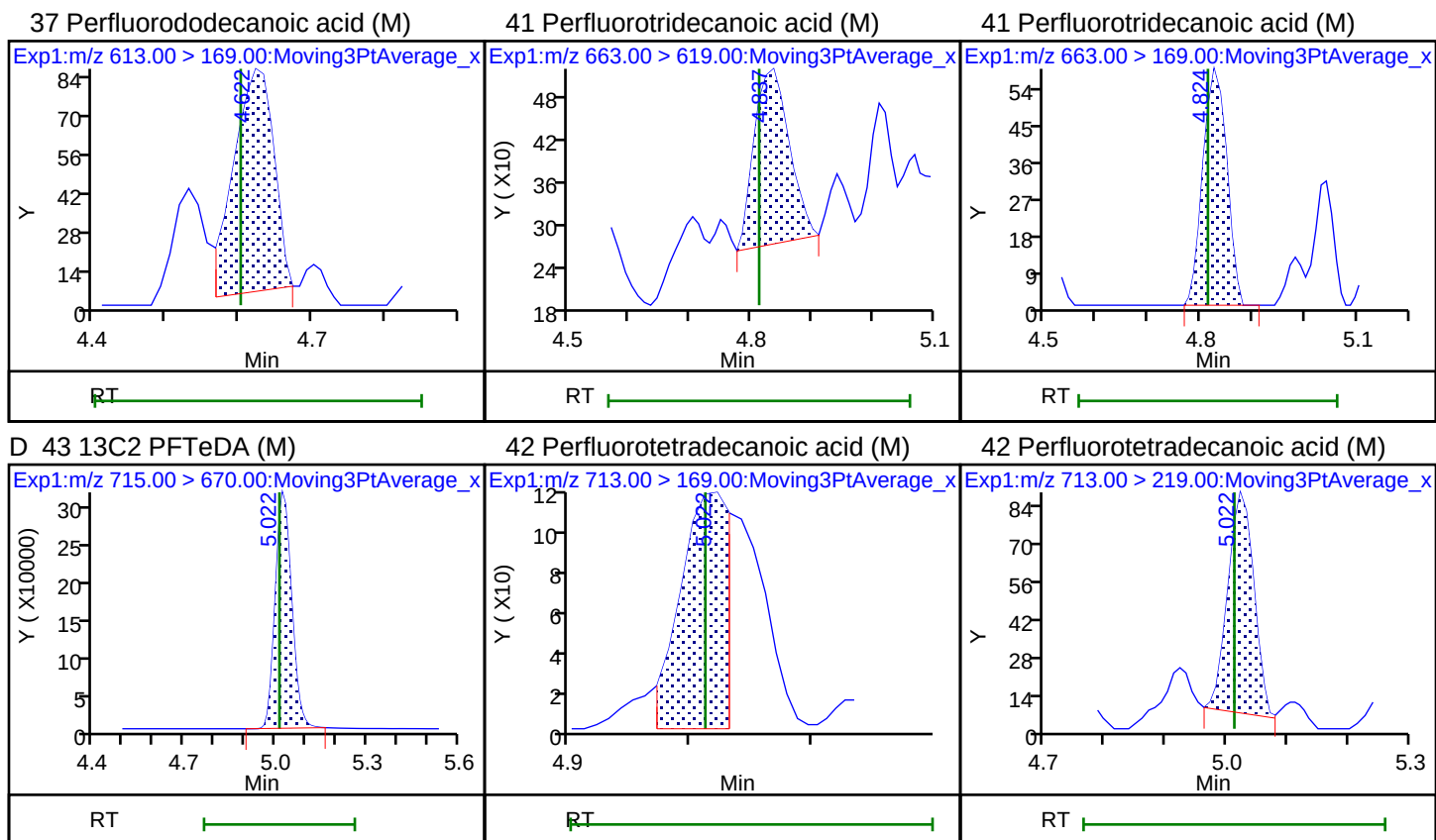
25 1H,1H,2H,2H-perfluorodecanesulfonic acid (M)

D 26 M2-8:2 FTS

D 21 13C8 FOSA







Eurofins Burlington

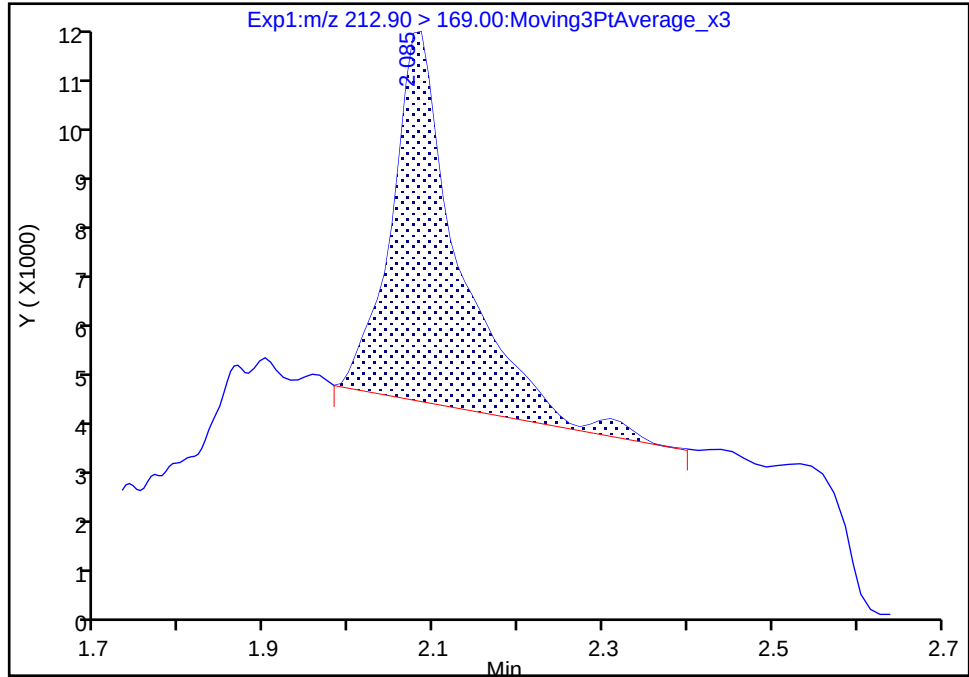
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B07.d		
Injection Date:	11-Aug-2022 19:20:16	Instrument ID:	LC812
Lims ID:	460-263208-A-4-A	Lab Sample ID:	200-263208-4
Client ID:	BCS-09-35 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	7
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	7

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

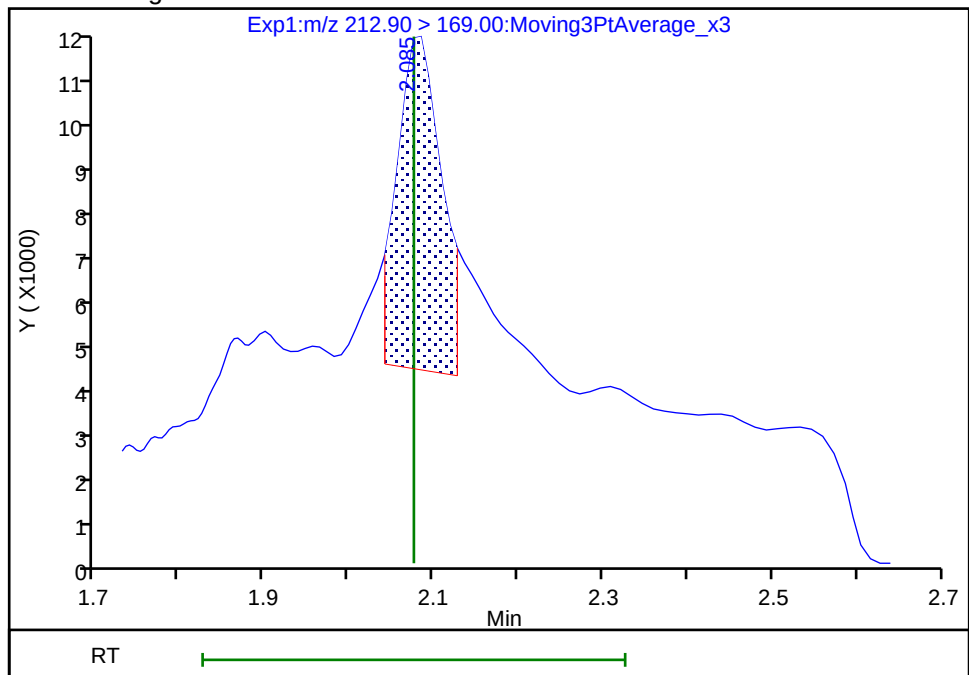
RT: 2.08
Area: 40828
Amount: 0.025317
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 26332
Amount: 0.016353
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:42:46
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

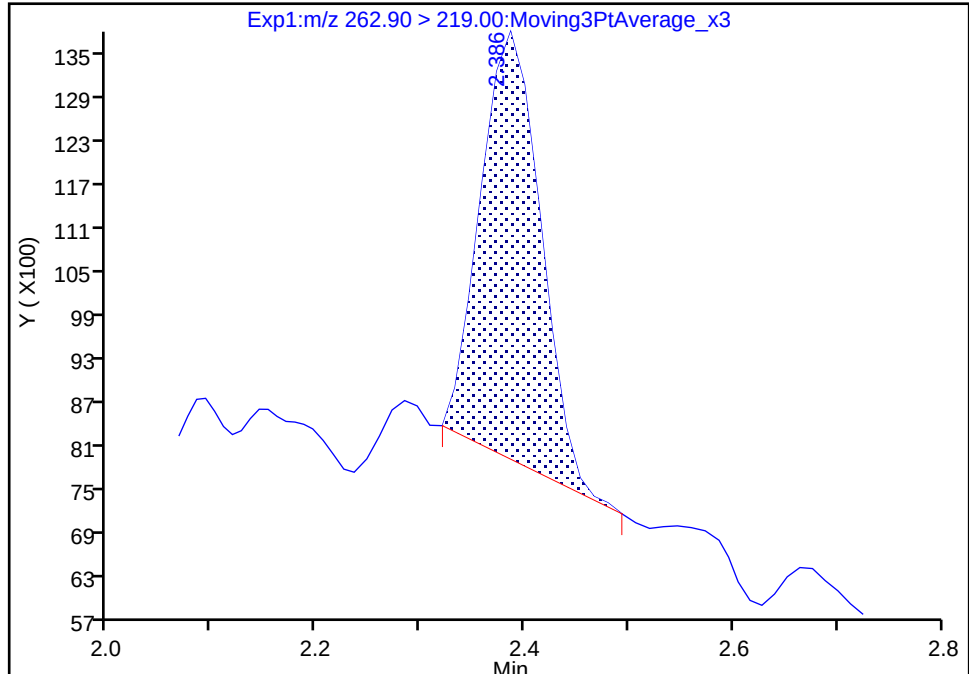
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B07.d		
Injection Date:	11-Aug-2022 19:20:16	Instrument ID:	LC812
Lims ID:	460-263208-A-4-A	Lab Sample ID:	200-263208-4
Client ID:	BCS-09-35 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	7
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	7

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

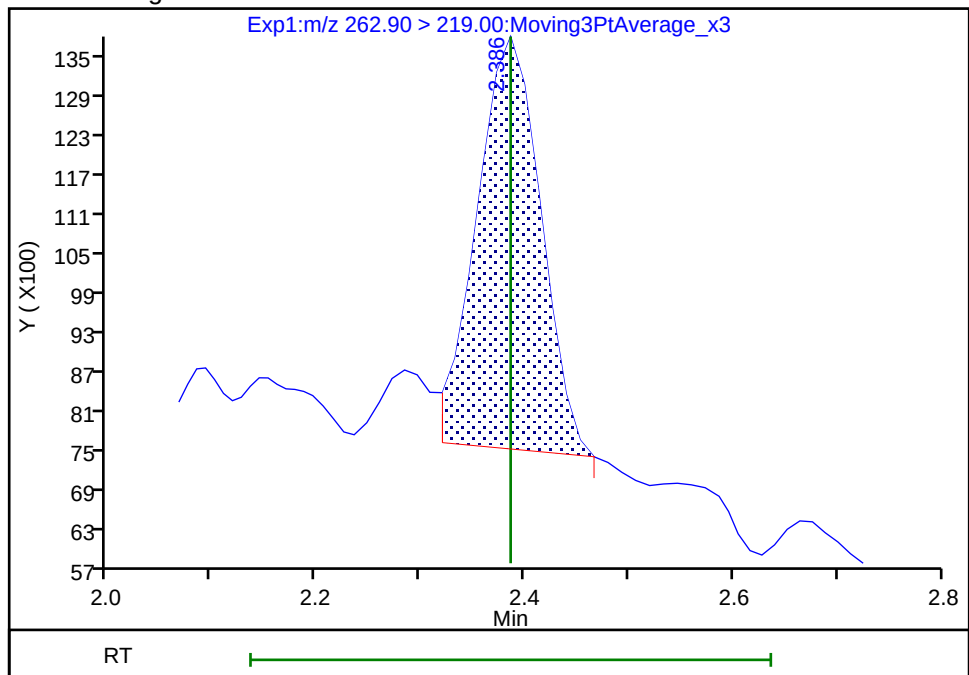
RT: 2.39
Area: 23686
Amount: 0.017056
Amount Units: ng/ml

Processing Integration Results



RT: 2.39
Area: 26733
Amount: 0.019250
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:42:53
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

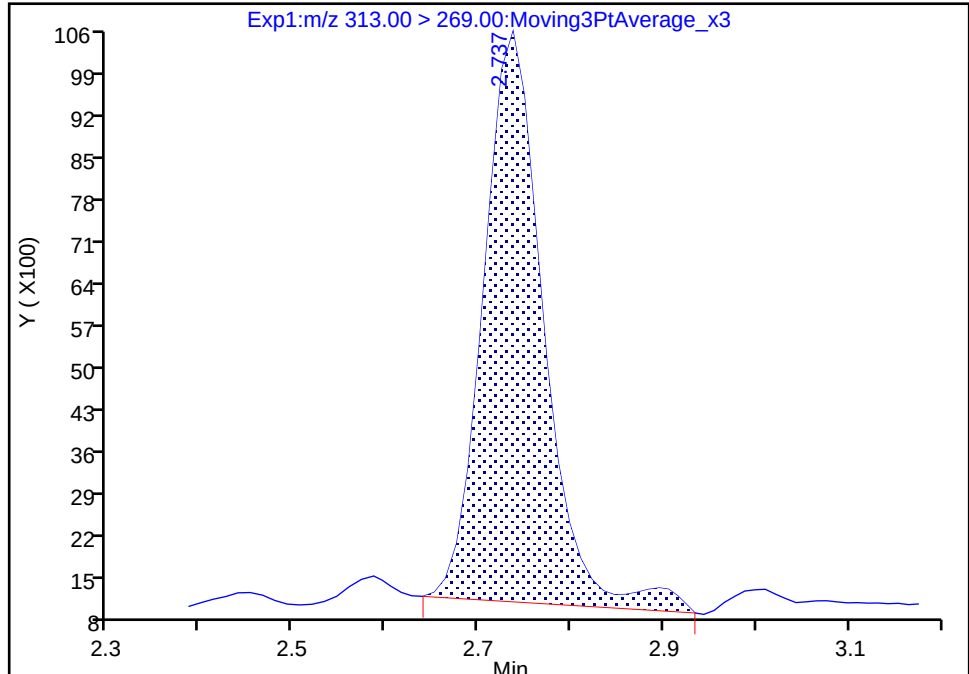
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B07.d		
Injection Date:	11-Aug-2022 19:20:16	Instrument ID:	LC812
Lims ID:	460-263208-A-4-A	Lab Sample ID:	200-263208-4
Client ID:	BCS-09-35 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	7
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	7

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

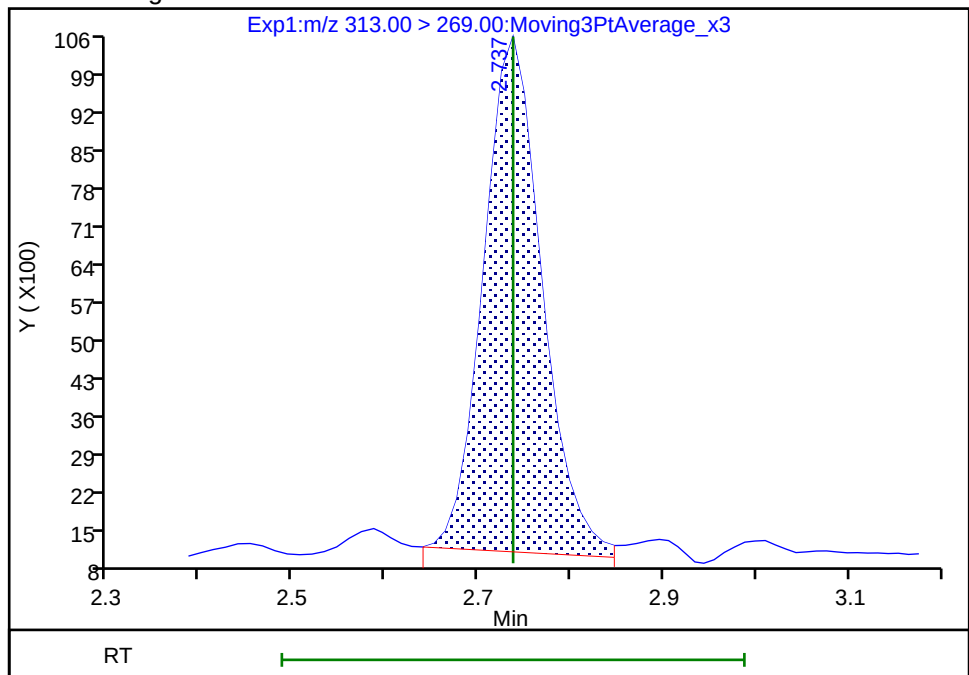
RT: 2.74
Area: 43190
Amount: 0.030318
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 41761
Amount: 0.029314
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:43:12
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

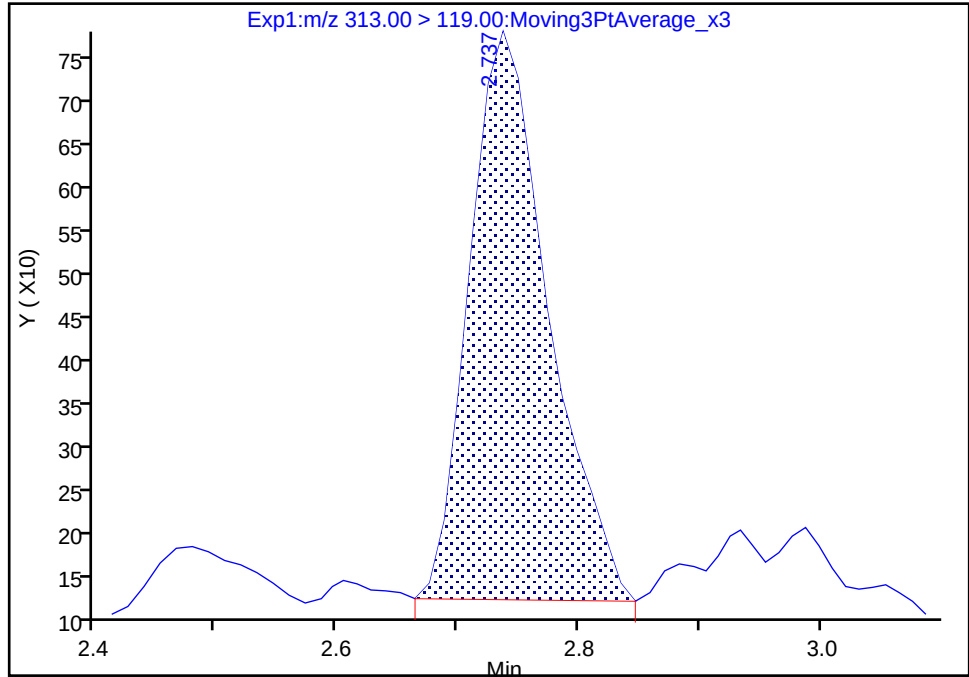
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B07.d
Injection Date: 11-Aug-2022 19:20:16 Instrument ID: LC812
Lims ID: 460-263208-A-4-A Lab Sample ID: 200-263208-4
Client ID: BCS-09-35 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

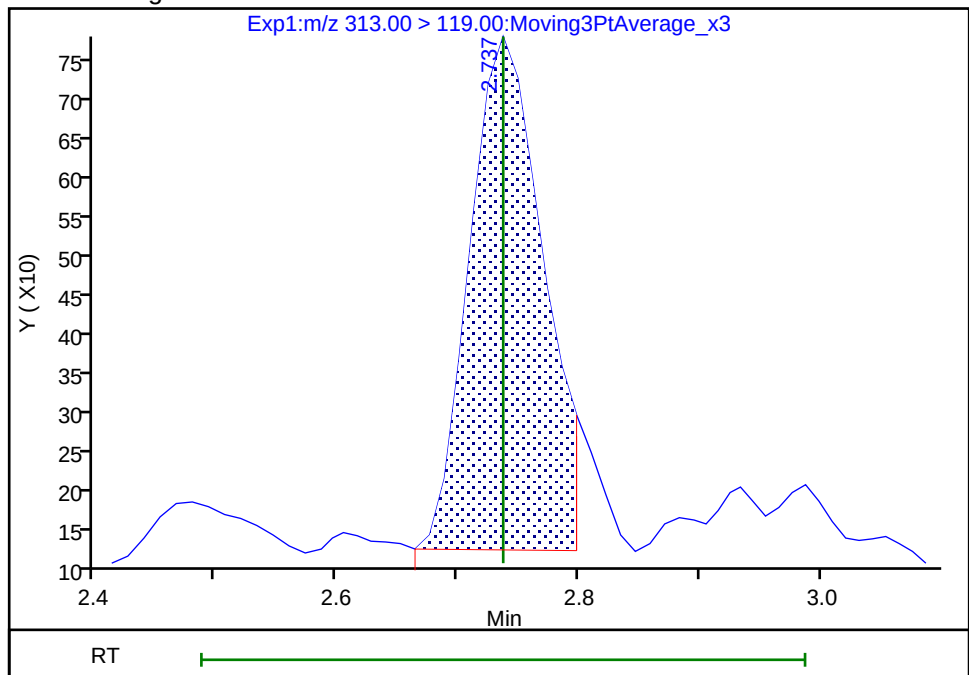
RT: 2.74
Area: 2968
Amount: 0.030318
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 2745
Amount: 0.029314
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:43:15

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

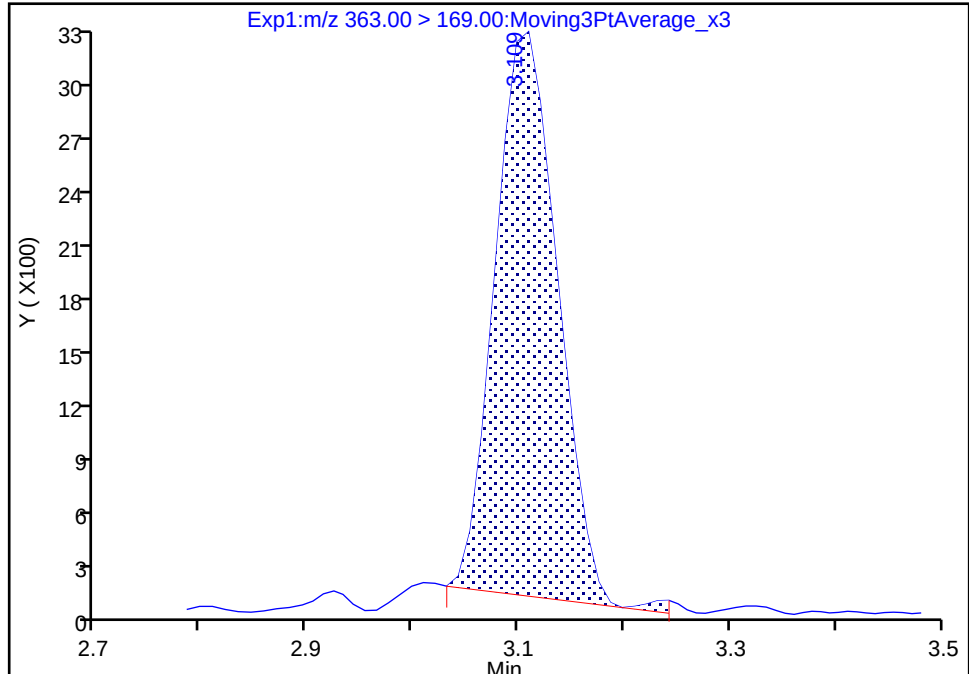
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B07.d		
Injection Date:	11-Aug-2022 19:20:16	Instrument ID:	LC812
Lims ID:	460-263208-A-4-A	Lab Sample ID:	200-263208-4
Client ID:	BCS-09-35 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	7
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	7

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

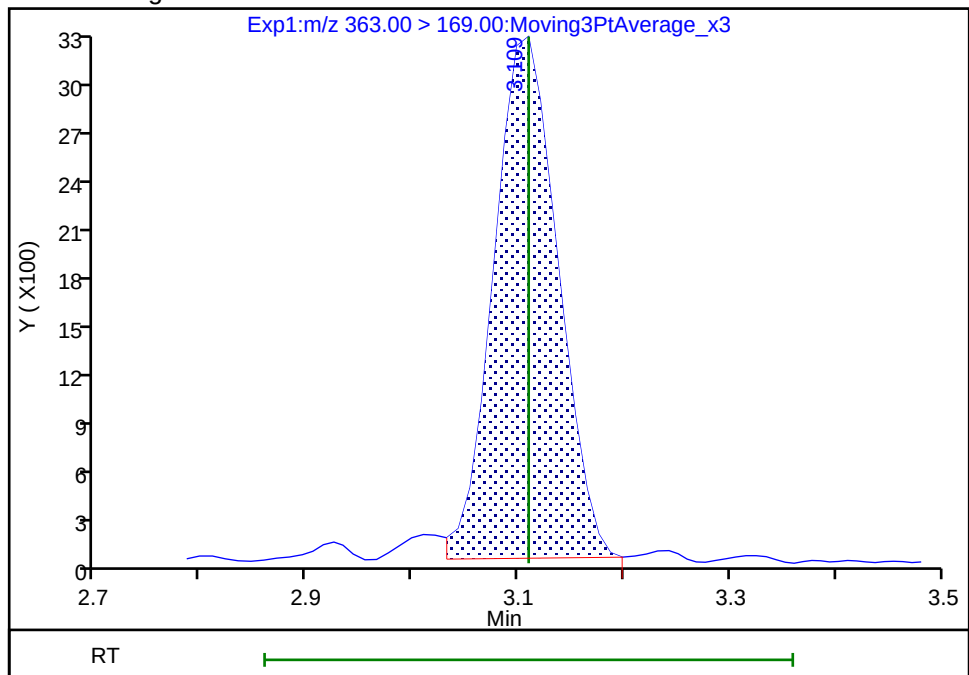
RT: 3.11
Area: 12828
Amount: 0.037398
Amount Units: ng/ml

Processing Integration Results



RT: 3.11
Area: 13385
Amount: 0.036978
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:43:35
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

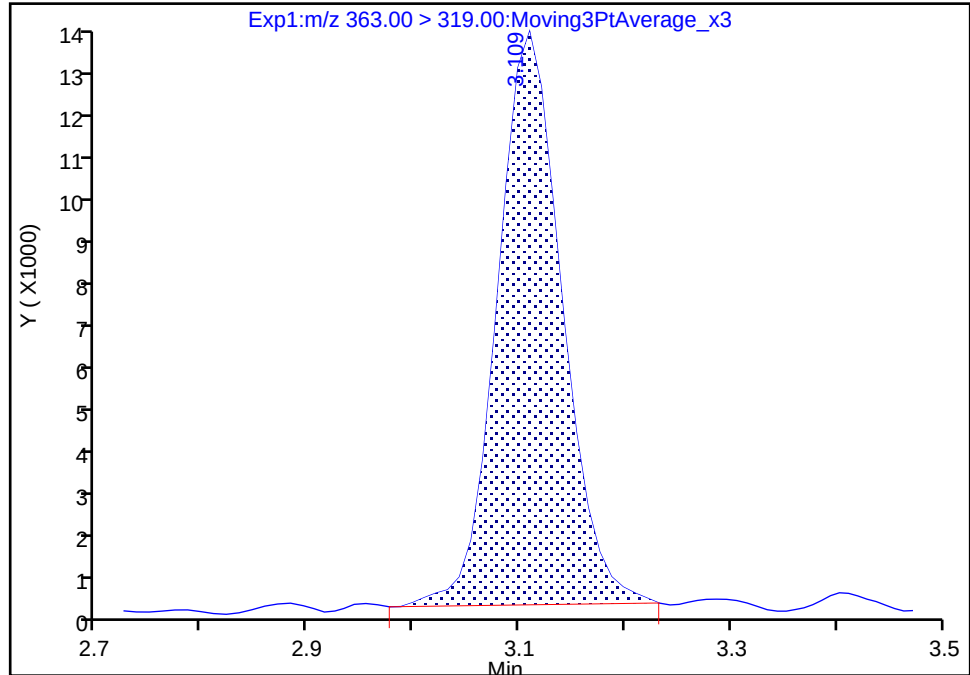
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B07.d
Injection Date: 11-Aug-2022 19:20:16 Instrument ID: LC812
Lims ID: 460-263208-A-4-A Lab Sample ID: 200-263208-4
Client ID: BCS-09-35 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

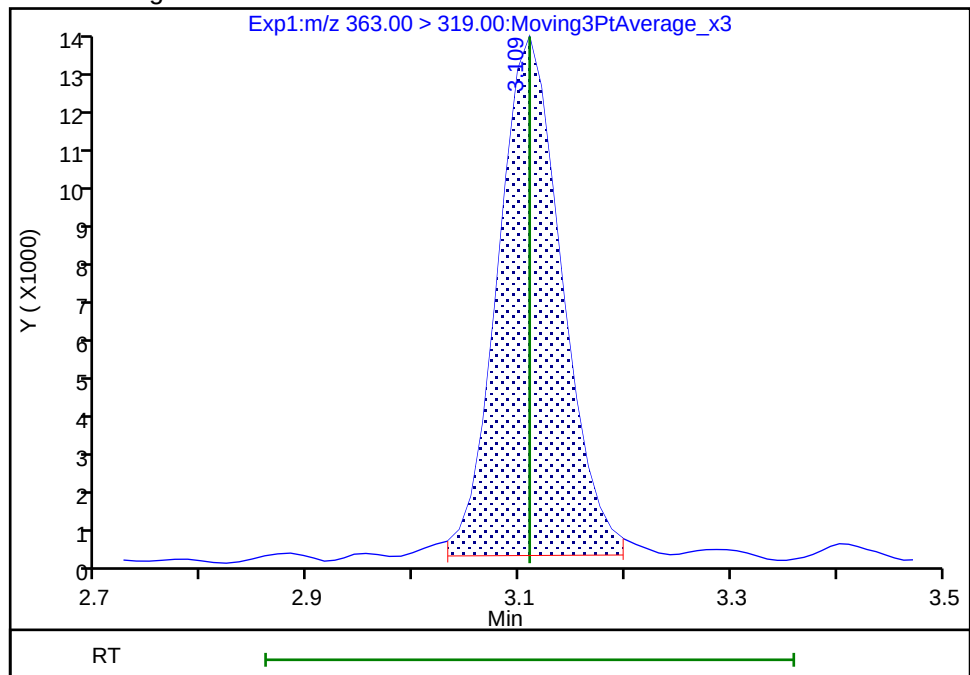
RT: 3.11
Area: 54829
Amount: 0.037398
Amount Units: ng/ml

Processing Integration Results



RT: 3.11
Area: 54213
Amount: 0.036978
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:43:42

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

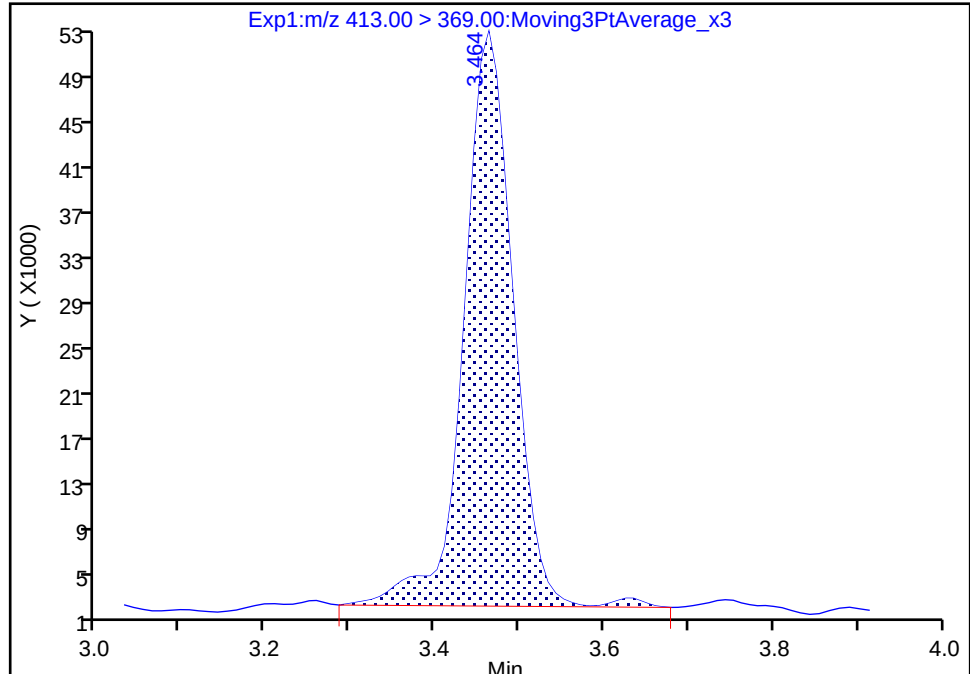
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B07.d		
Injection Date:	11-Aug-2022 19:20:16	Instrument ID:	LC812
Lims ID:	460-263208-A-4-A	Lab Sample ID:	200-263208-4
Client ID:	BCS-09-35 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	7
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	7

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

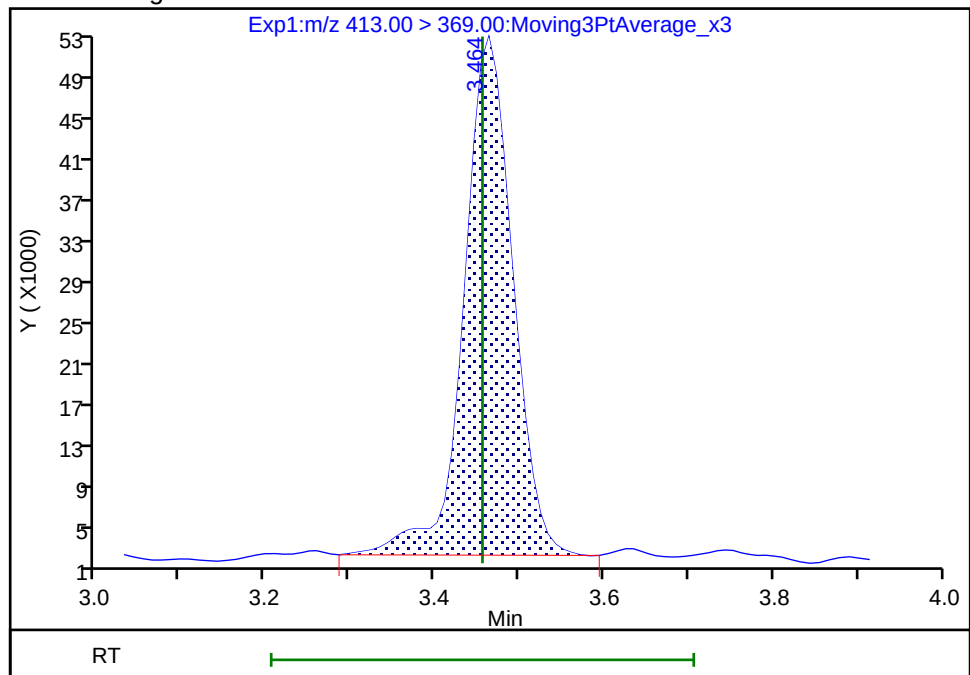
RT: 3.46
Area: 204916
Amount: 0.126416
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 201997
Amount: 0.124615
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:44:14
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

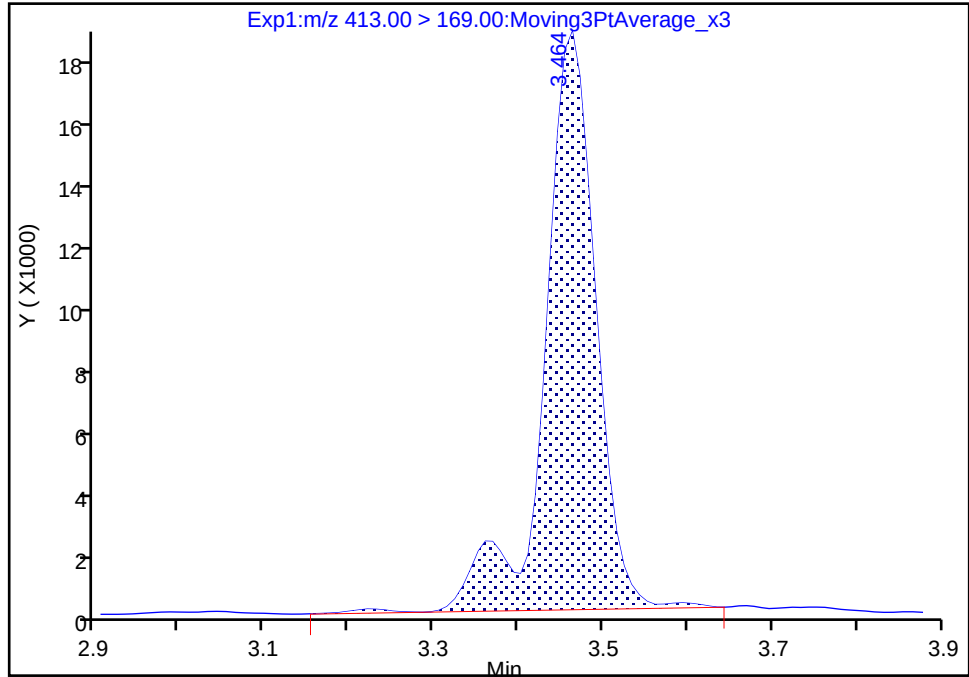
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B07.d
Injection Date: 11-Aug-2022 19:20:16 Instrument ID: LC812
Lims ID: 460-263208-A-4-A Lab Sample ID: 200-263208-4
Client ID: BCS-09-35 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

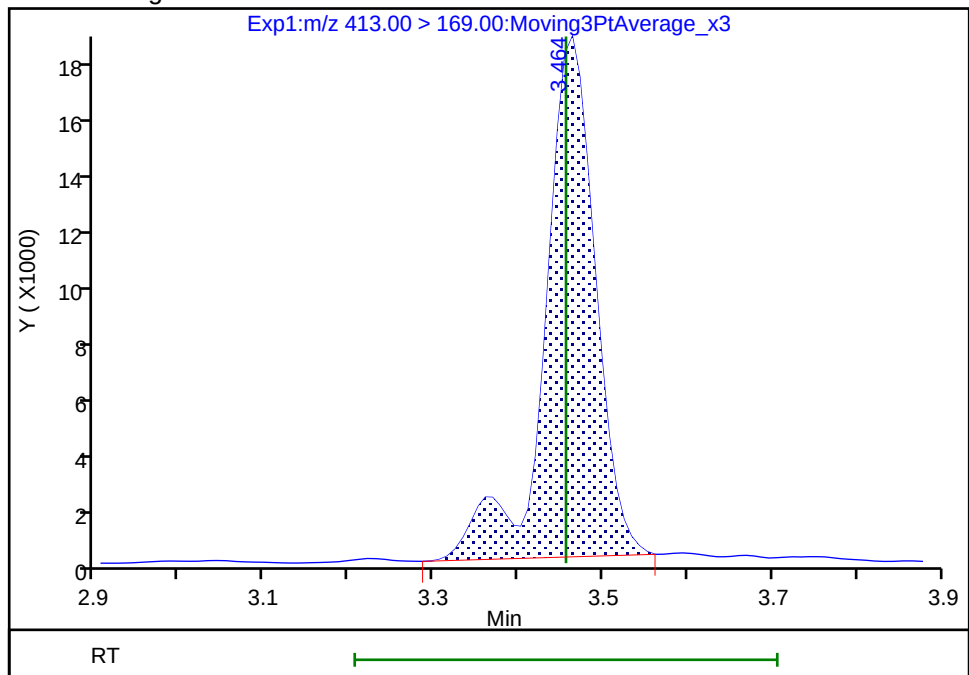
RT: 3.46
Area: 78112
Amount: 0.126416
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 76190
Amount: 0.124615
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:44:17

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

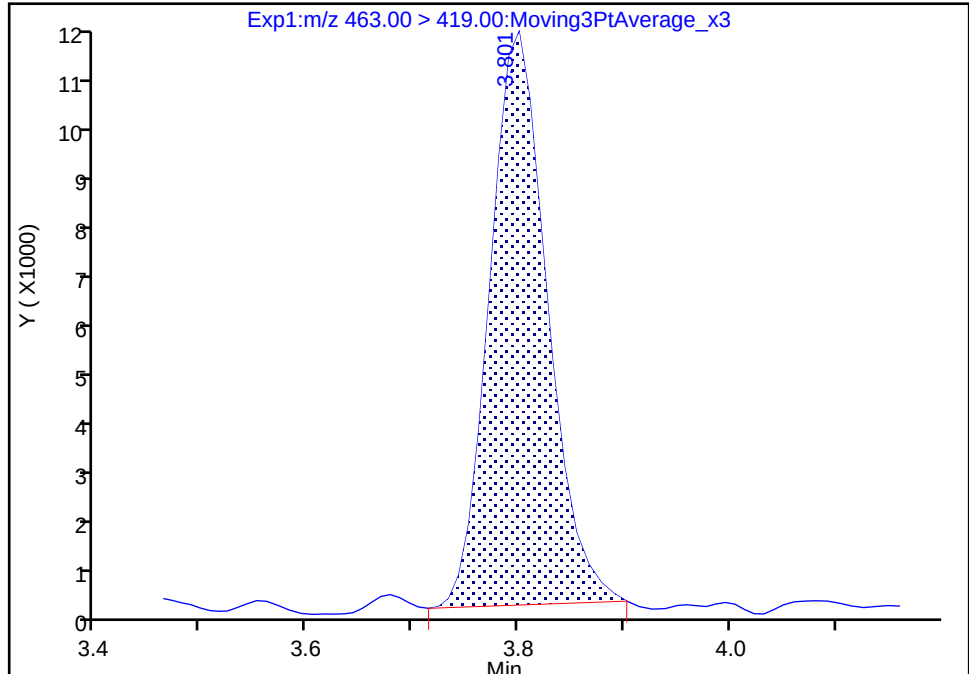
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B07.d		
Injection Date:	11-Aug-2022 19:20:16	Instrument ID:	LC812
Lims ID:	460-263208-A-4-A	Lab Sample ID:	200-263208-4
Client ID:	BCS-09-35 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	7
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	7

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

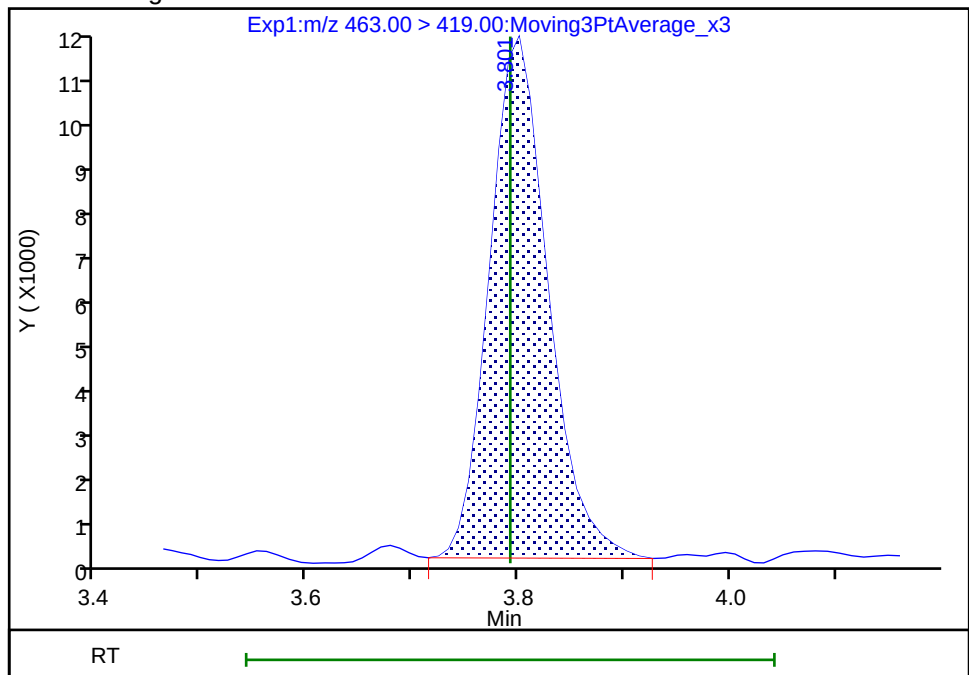
RT: 3.80
Area: 39090
Amount: 0.025716
Amount Units: ng/ml

Processing Integration Results



RT: 3.80
Area: 39975
Amount: 0.026416
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:44:49
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

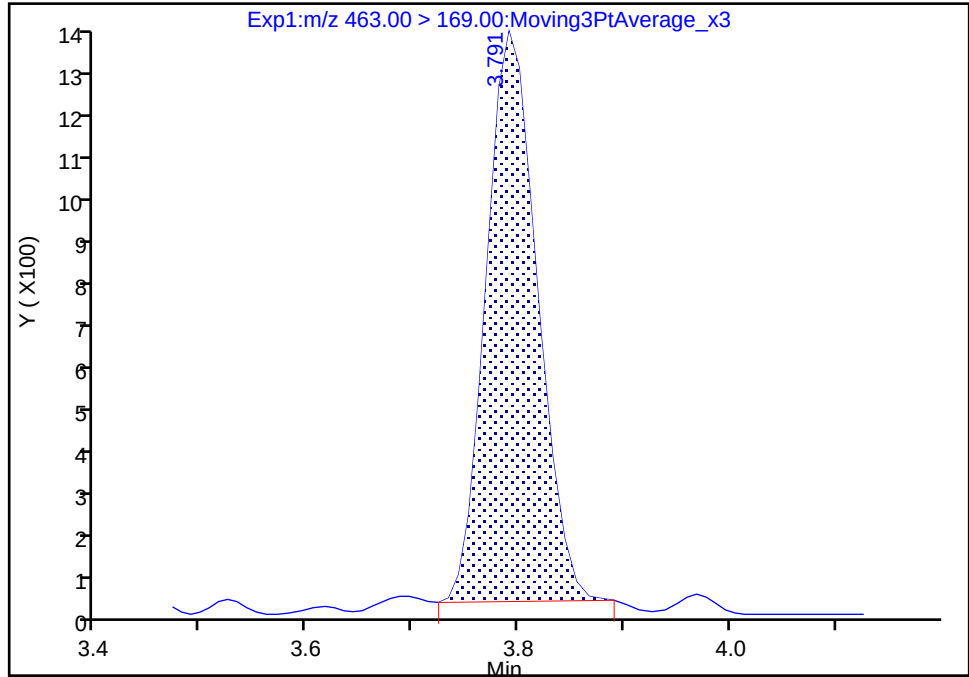
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B07.d
Injection Date: 11-Aug-2022 19:20:16 Instrument ID: LC812
Lims ID: 460-263208-A-4-A Lab Sample ID: 200-263208-4
Client ID: BCS-09-35 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

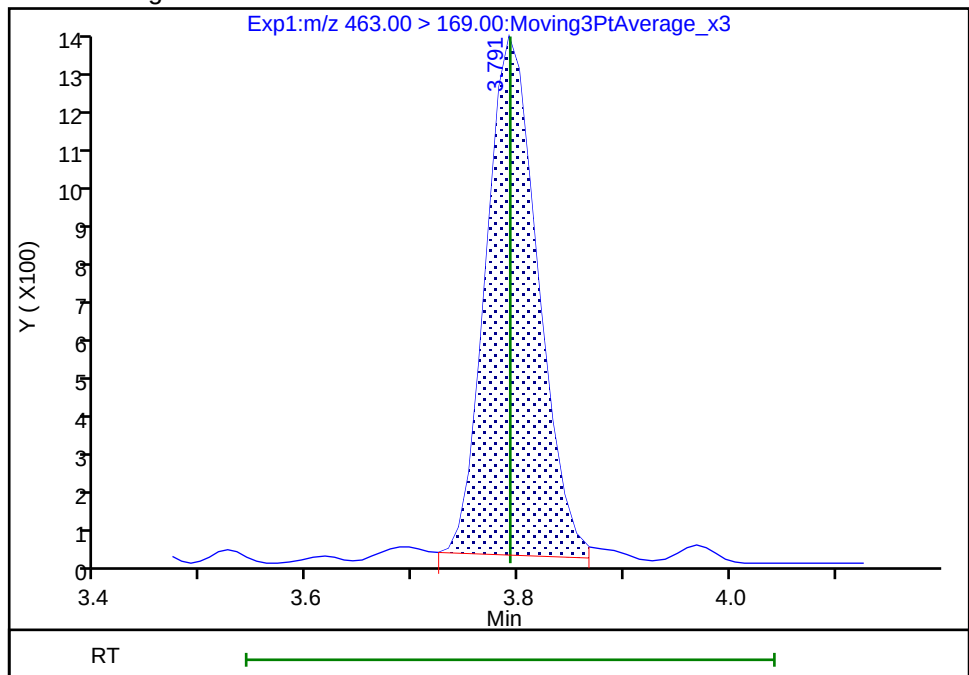
RT: 3.79
Area: 4368
Amount: 0.025716
Amount Units: ng/ml

Processing Integration Results



RT: 3.79
Area: 4440
Amount: 0.026416
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:44:55

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

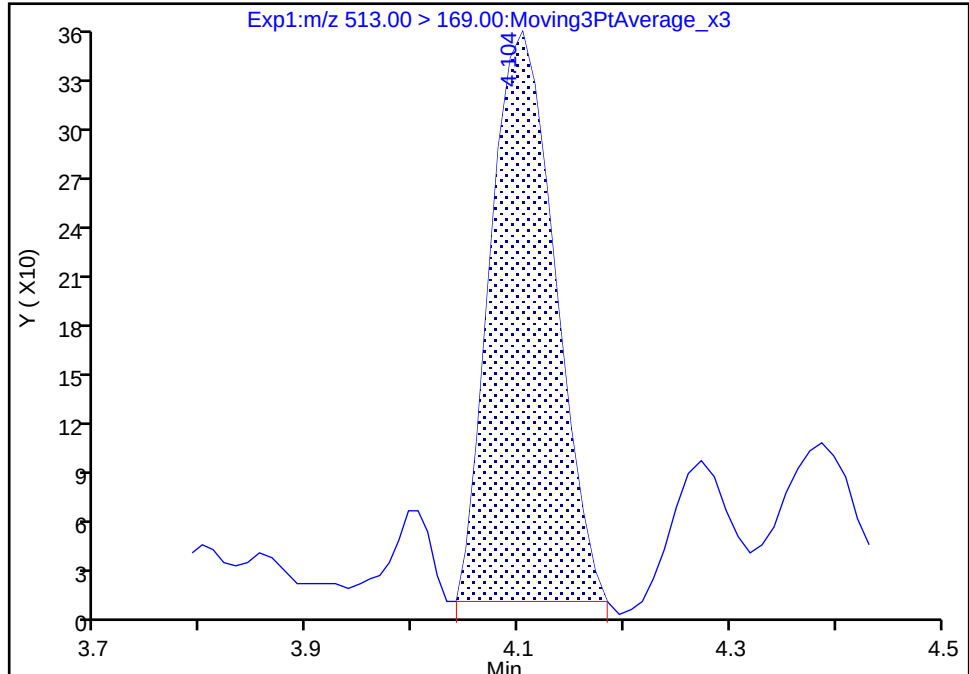
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B07.d		
Injection Date:	11-Aug-2022 19:20:16	Instrument ID:	LC812
Lims ID:	460-263208-A-4-A	Lab Sample ID:	200-263208-4
Client ID:	BCS-09-35 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	7
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	7

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

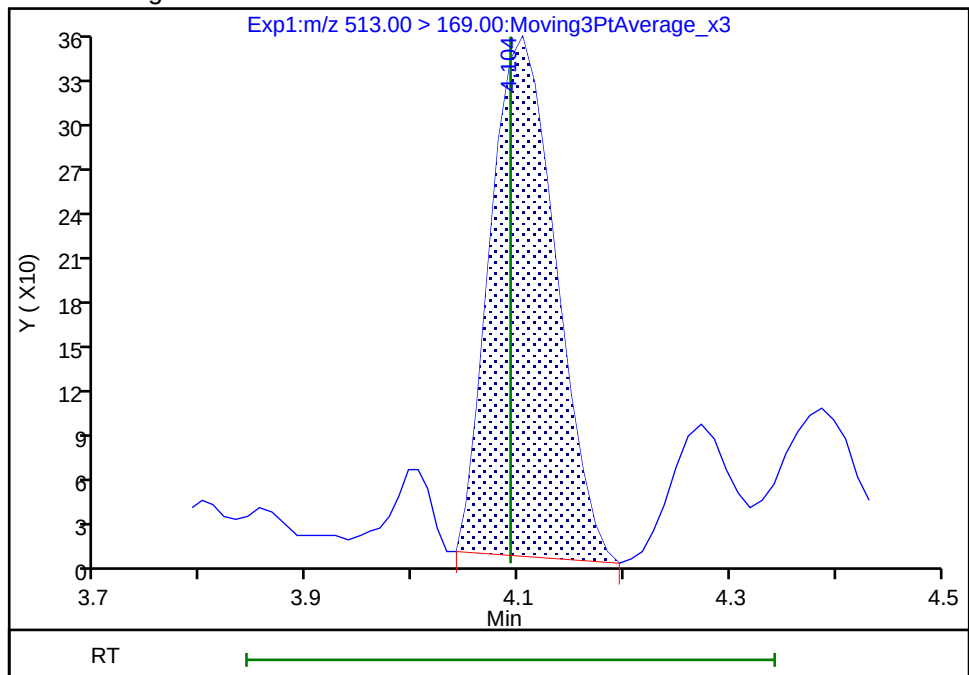
RT: 4.10
Area: 1497
Amount: 0.006390
Amount Units: ng/ml

Processing Integration Results



RT: 4.10
Area: 1531
Amount: 0.006183
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:45:01
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

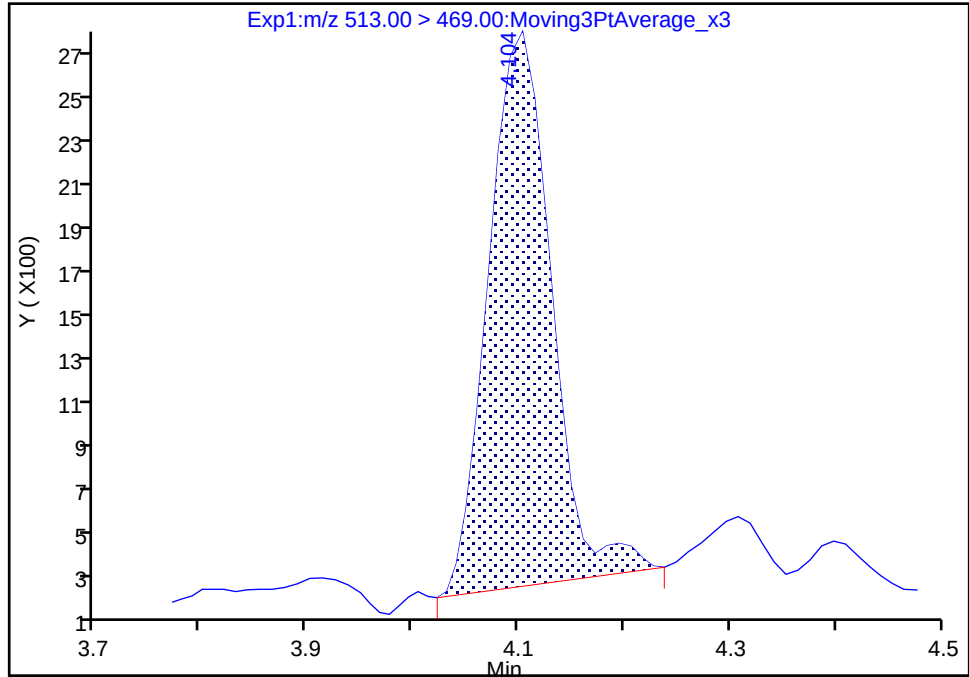
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B07.d
Injection Date: 11-Aug-2022 19:20:16 Instrument ID: LC812
Lims ID: 460-263208-A-4-A Lab Sample ID: 200-263208-4
Client ID: BCS-09-35 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

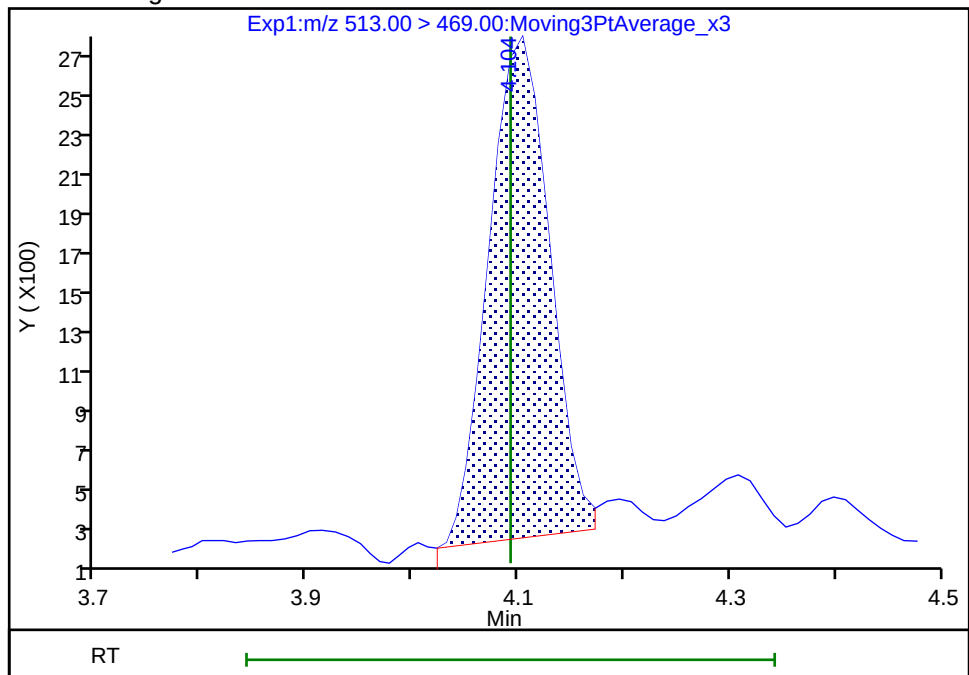
RT: 4.10
Area: 10094
Amount: 0.006390
Amount Units: ng/ml

Processing Integration Results



RT: 4.10
Area: 9767
Amount: 0.006183
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:45:04

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

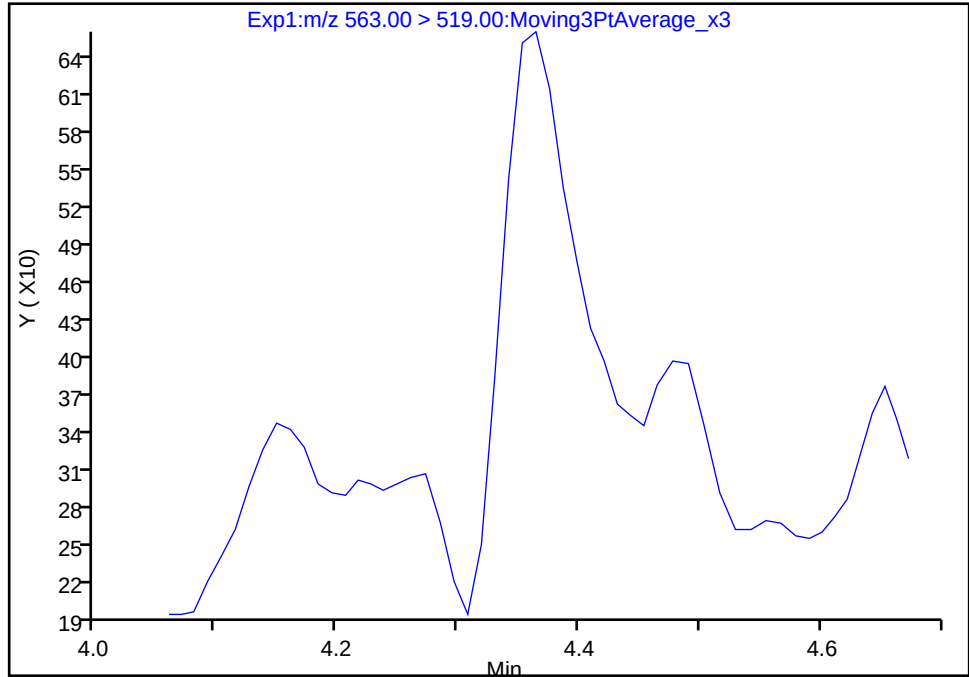
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B07.d		
Injection Date:	11-Aug-2022 19:20:16	Instrument ID:	LC812
Lims ID:	460-263208-A-4-A	Lab Sample ID:	200-263208-4
Client ID:	BCS-09-35 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	7
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	7

31 Perfluoroundecanoic acid, CAS: 2058-94-8

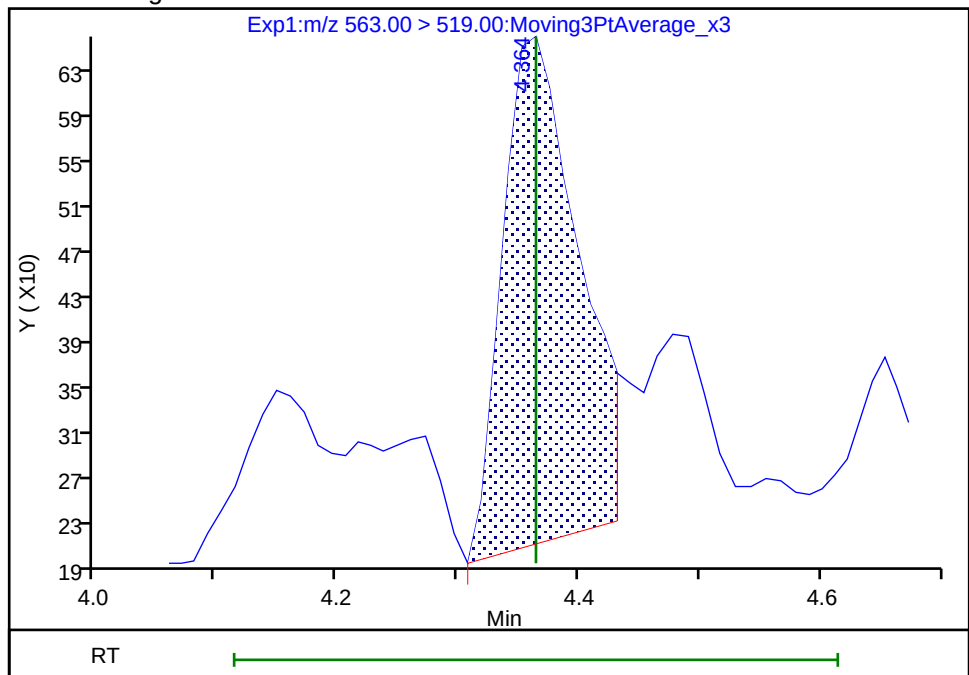
Signal: 1

Not Detected
Expected RT: 4.36

Processing Integration Results



Manual Integration Results



RT: 4.36
Area: 1919
Amount: 0.001664
Amount Units: ng/ml

Reviewer: nampitakw, 12-Aug-2022 08:47:31
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

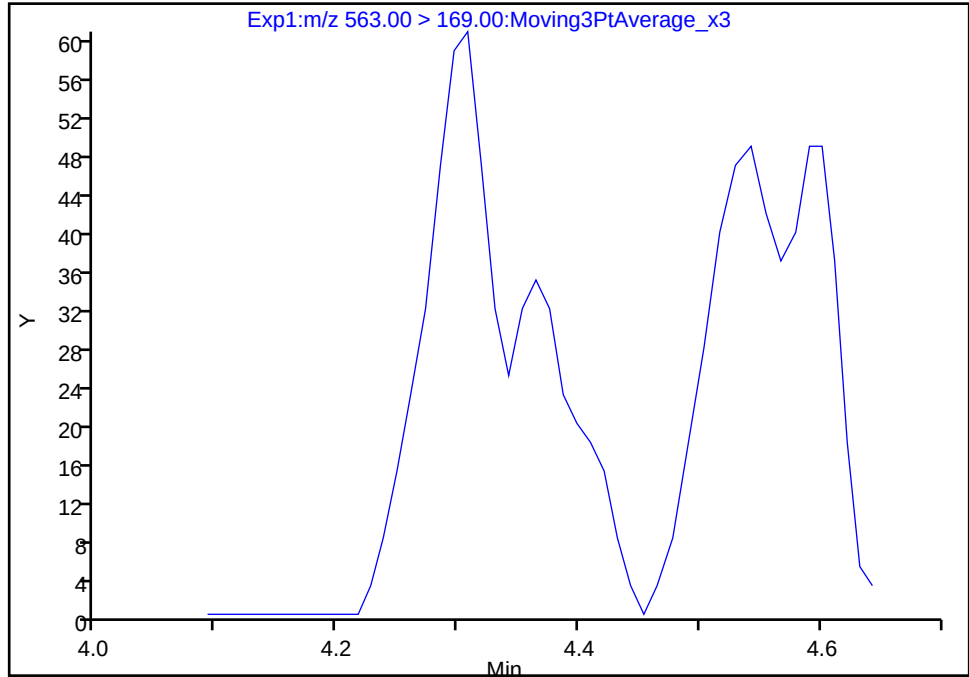
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B07.d		
Injection Date:	11-Aug-2022 19:20:16	Instrument ID:	LC812
Lims ID:	460-263208-A-4-A	Lab Sample ID:	200-263208-4
Client ID:	BCS-09-35 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	7
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	7

31 Perfluoroundecanoic acid, CAS: 2058-94-8

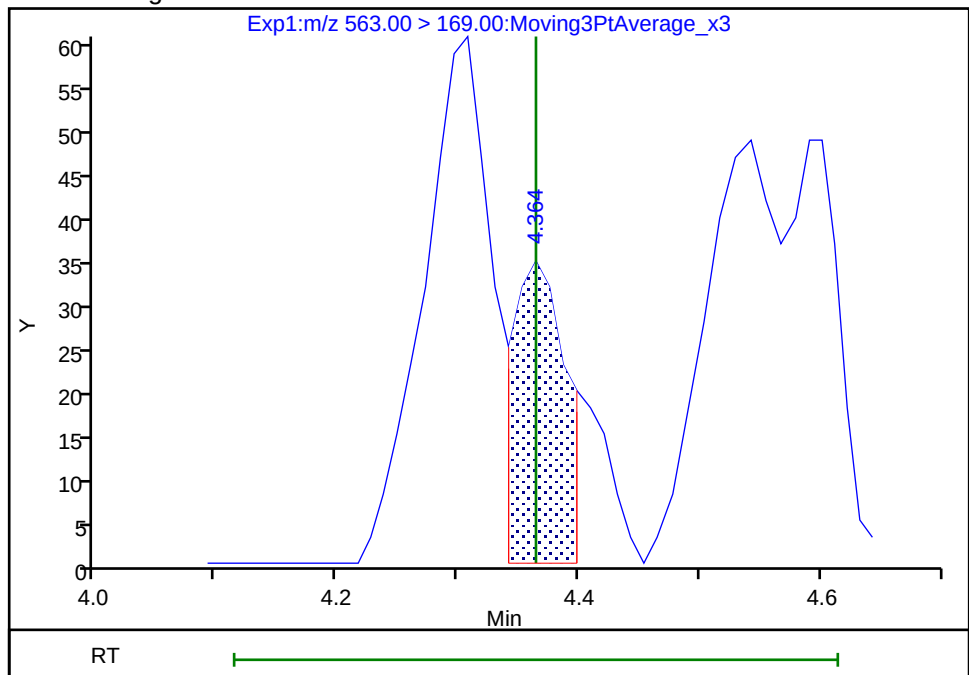
Signal: 2

Not Detected
Expected RT: 4.36

Processing Integration Results



Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:47:35

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Page 217 of 1695

08/18/2022

Eurofins Burlington

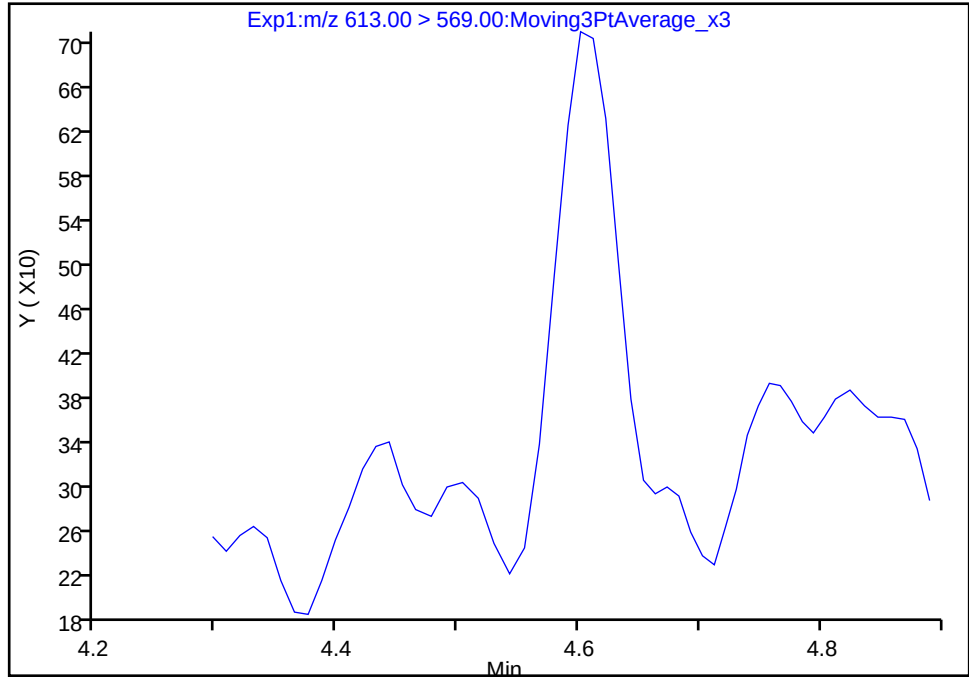
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B07.d		
Injection Date:	11-Aug-2022 19:20:16	Instrument ID:	LC812
Lims ID:	460-263208-A-4-A	Lab Sample ID:	200-263208-4
Client ID:	BCS-09-35 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	7
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	7

37 Perfluorododecanoic acid, CAS: 307-55-1

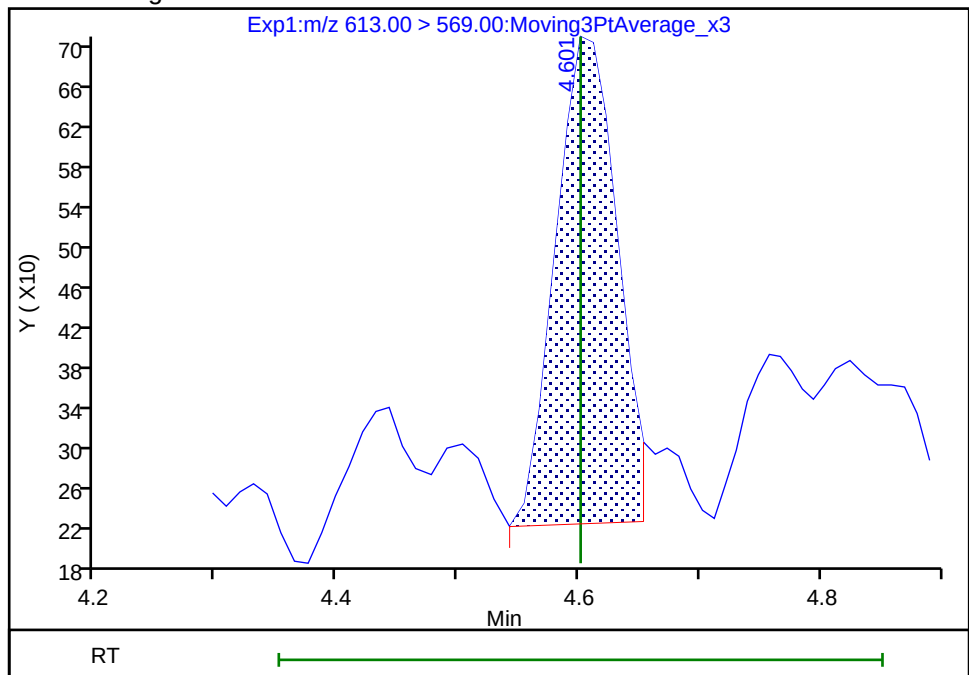
Signal: 1

Not Detected
Expected RT: 4.60

Processing Integration Results



Manual Integration Results



RT: 4.60
Area: 1679
Amount: 0.001466
Amount Units: ng/ml

Reviewer: nampitakw, 12-Aug-2022 08:48:08
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

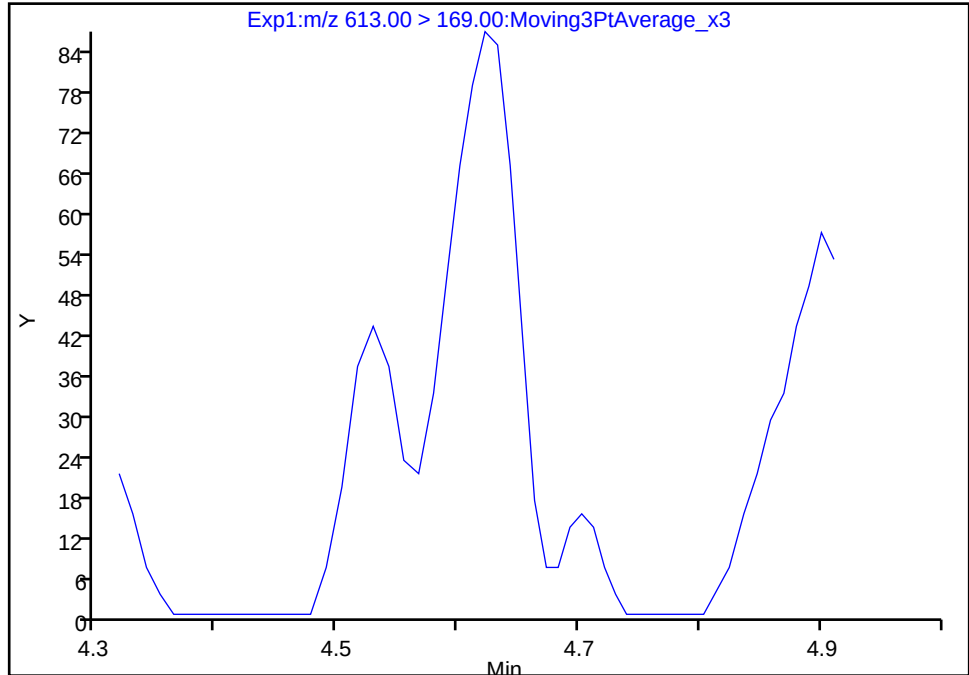
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B07.d
Injection Date: 11-Aug-2022 19:20:16 Instrument ID: LC812
Lims ID: 460-263208-A-4-A Lab Sample ID: 200-263208-4
Client ID: BCS-09-35 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

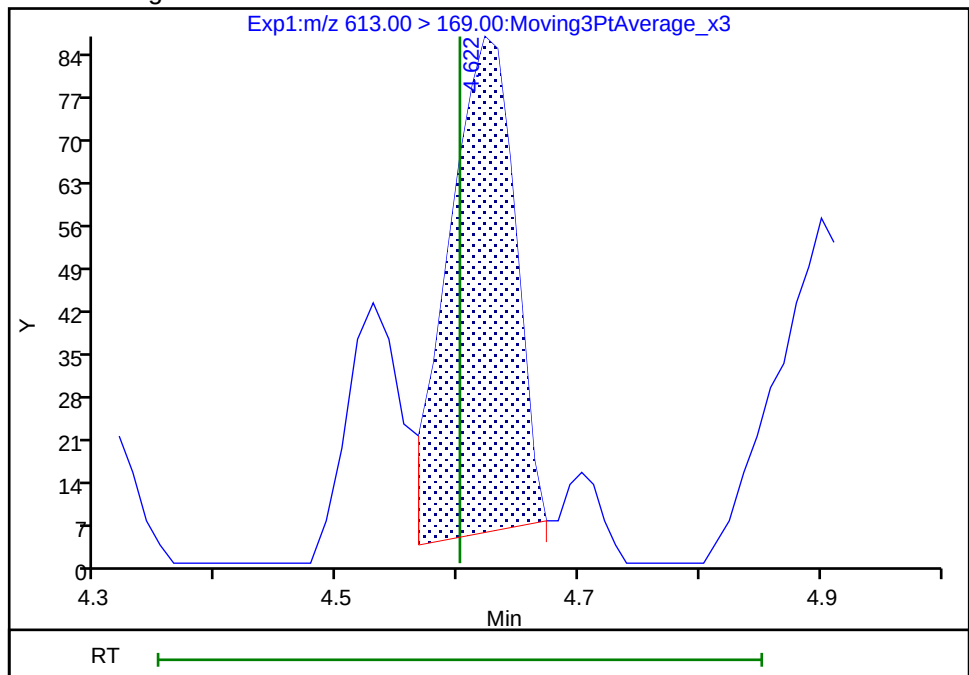
Not Detected
Expected RT: 4.60

Processing Integration Results



Manual Integration Results

RT: 4.62
Area: 310
Amount: 0.001466
Amount Units: ng/ml



Reviewer: nampitakw, 12-Aug-2022 08:48:12

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

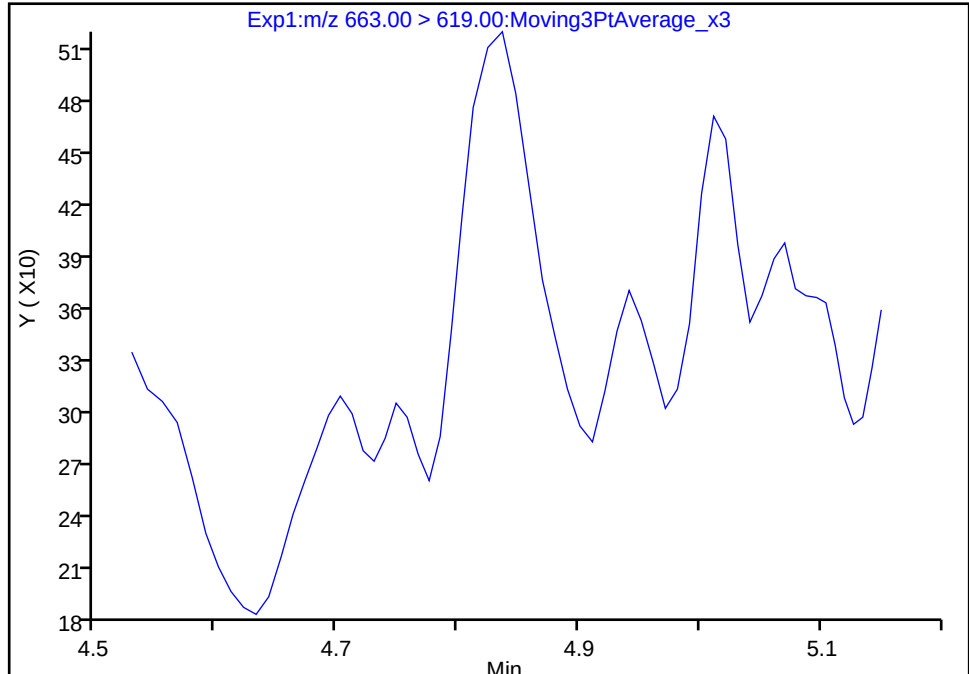
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B07.d		
Injection Date:	11-Aug-2022 19:20:16	Instrument ID:	LC812
Lims ID:	460-263208-A-4-A	Lab Sample ID:	200-263208-4
Client ID:	BCS-09-35 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	7
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	7

41 Perfluorotridecanoic acid, CAS: 72629-94-8

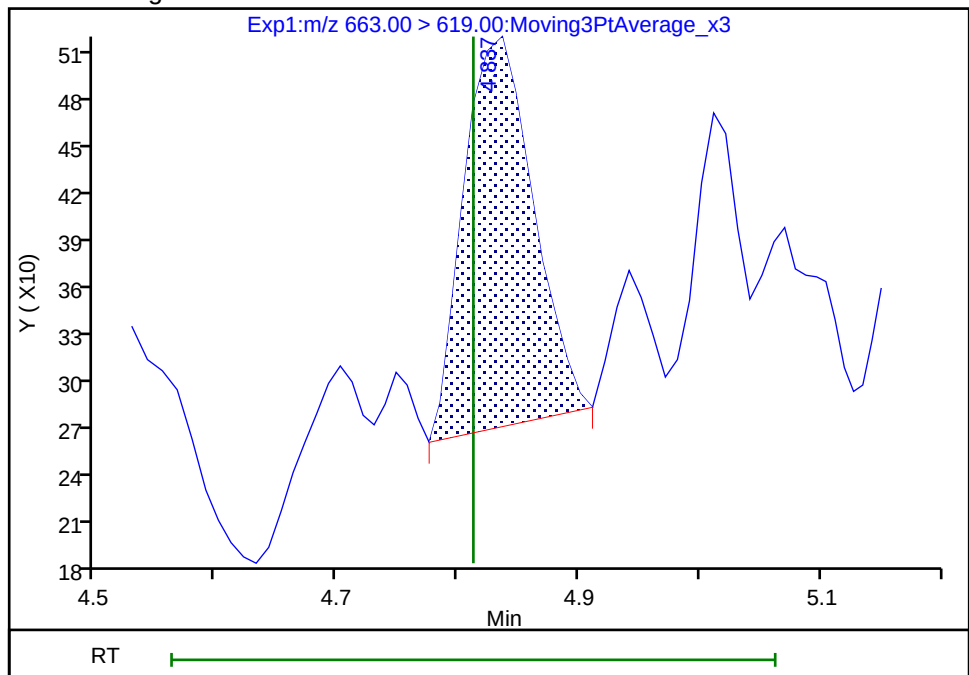
Signal: 1

Not Detected
Expected RT: 4.81

Processing Integration Results



Manual Integration Results



RT: 4.84
Area: 982
Amount: 0.000989
Amount Units: ng/ml

Reviewer: nampitakw, 12-Aug-2022 08:48:19
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

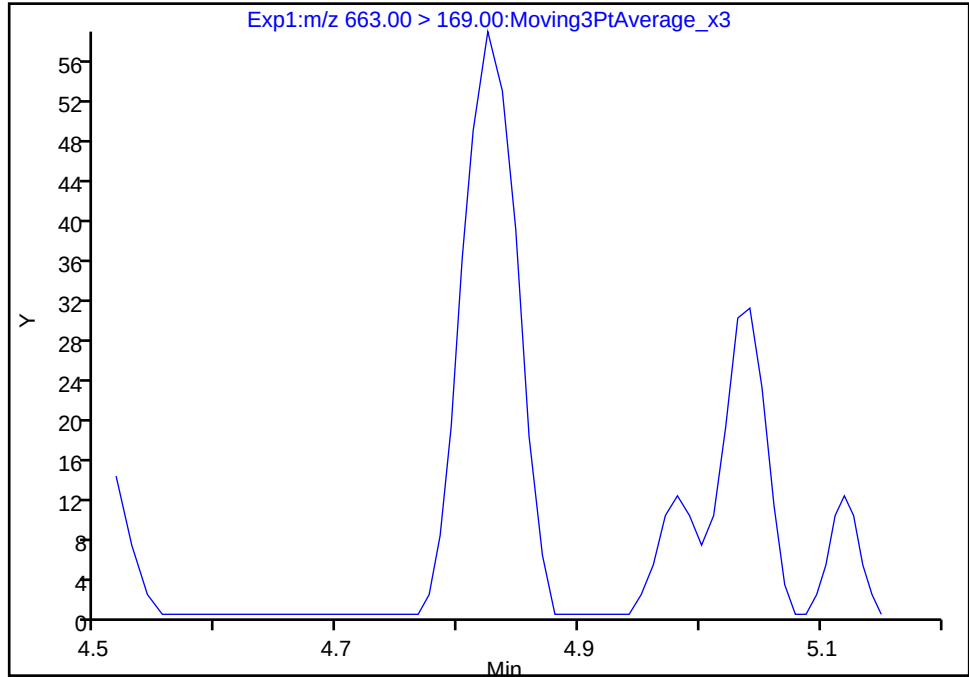
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B07.d
Injection Date: 11-Aug-2022 19:20:16 Instrument ID: LC812
Lims ID: 460-263208-A-4-A Lab Sample ID: 200-263208-4
Client ID: BCS-09-35 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

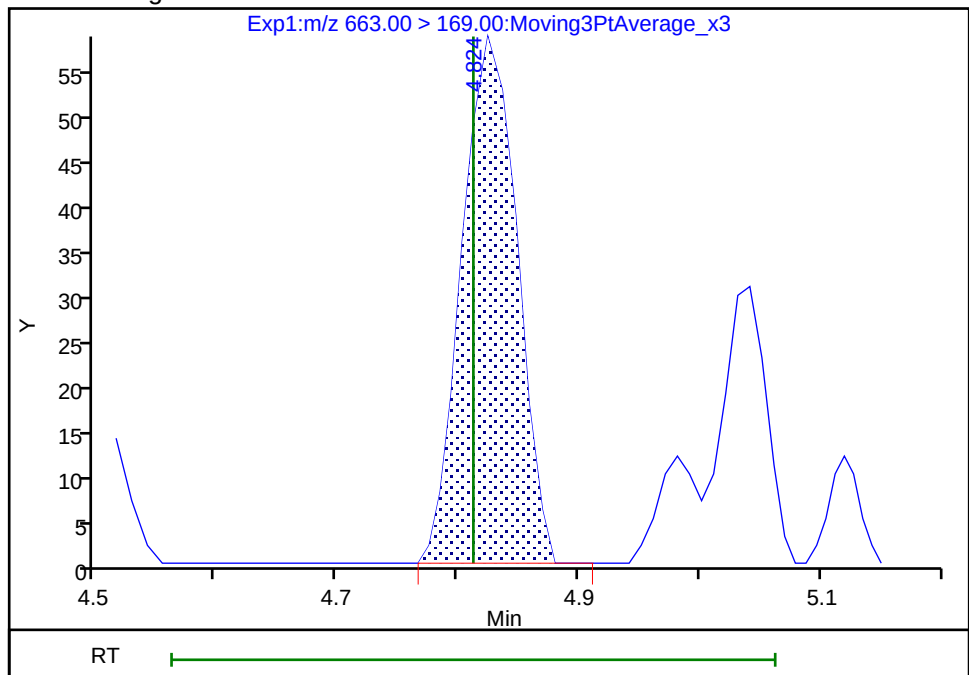
Not Detected
Expected RT: 4.81

Processing Integration Results



Manual Integration Results

RT: 4.82
Area: 187
Amount: 0.000989
Amount Units: ng/ml



Reviewer: nampitakw, 12-Aug-2022 08:48:24

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Page 221 of 1695

08/18/2022

Eurofins Burlington

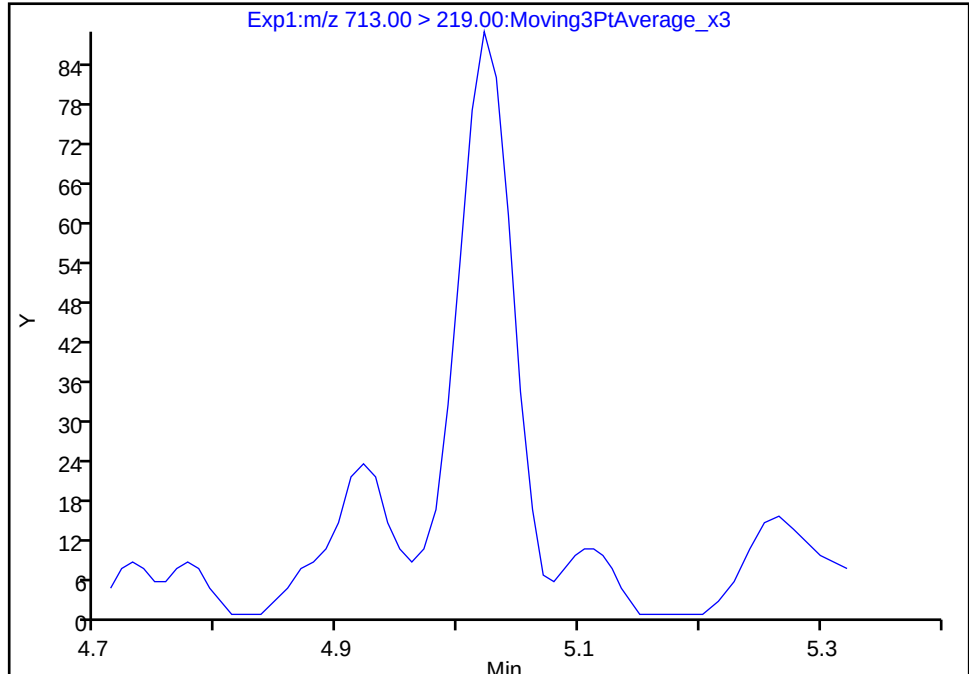
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B07.d		
Injection Date:	11-Aug-2022 19:20:16	Instrument ID:	LC812
Lims ID:	460-263208-A-4-A	Lab Sample ID:	200-263208-4
Client ID:	BCS-09-35 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	7
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	7

42 Perfluorotetradecanoic acid, CAS: 376-06-7

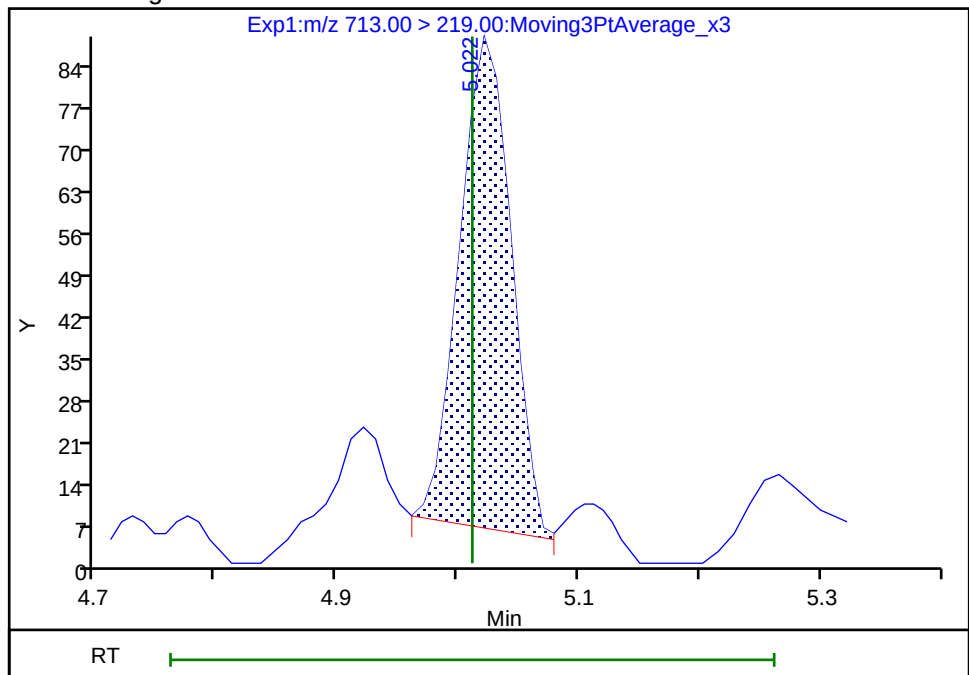
Signal: 2

Not Detected
Expected RT: 5.01

Processing Integration Results



Manual Integration Results



RT: 5.02
Area: 246
Amount: 0.002006
Amount Units: ng/ml

Reviewer: nampitakw, 12-Aug-2022 08:48:43
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

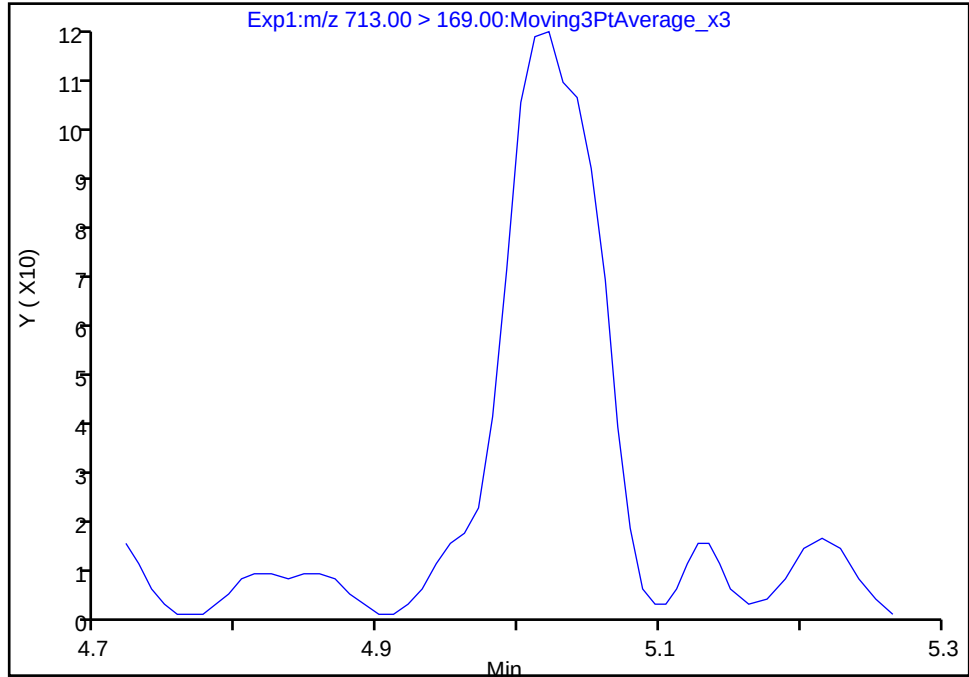
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B07.d
Injection Date: 11-Aug-2022 19:20:16 Instrument ID: LC812
Lims ID: 460-263208-A-4-A Lab Sample ID: 200-263208-4
Client ID: BCS-09-35 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

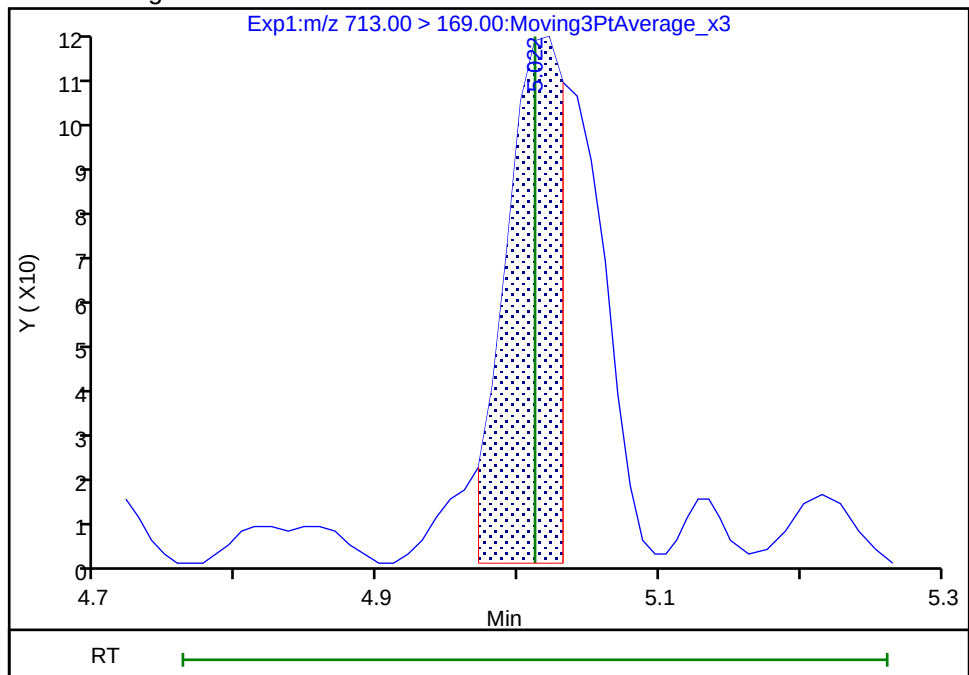
Not Detected
Expected RT: 5.01

Processing Integration Results



RT: 5.02
Area: 300
Amount: 0.002006
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:48:58

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

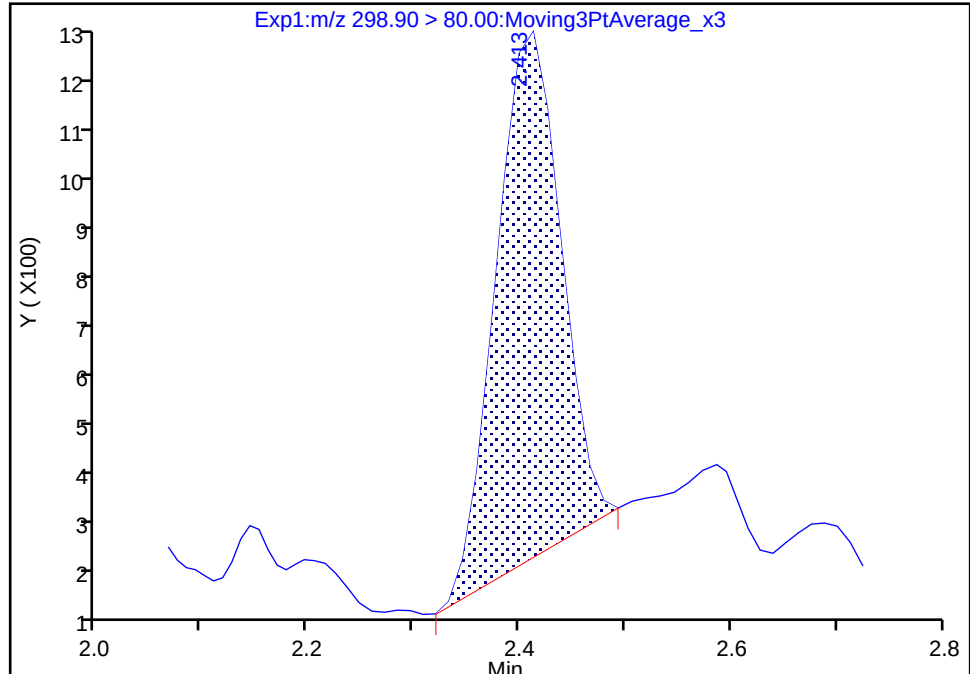
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B07.d		
Injection Date:	11-Aug-2022 19:20:16	Instrument ID:	LC812
Lims ID:	460-263208-A-4-A	Lab Sample ID:	200-263208-4
Client ID:	BCS-09-35 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	7
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	7

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

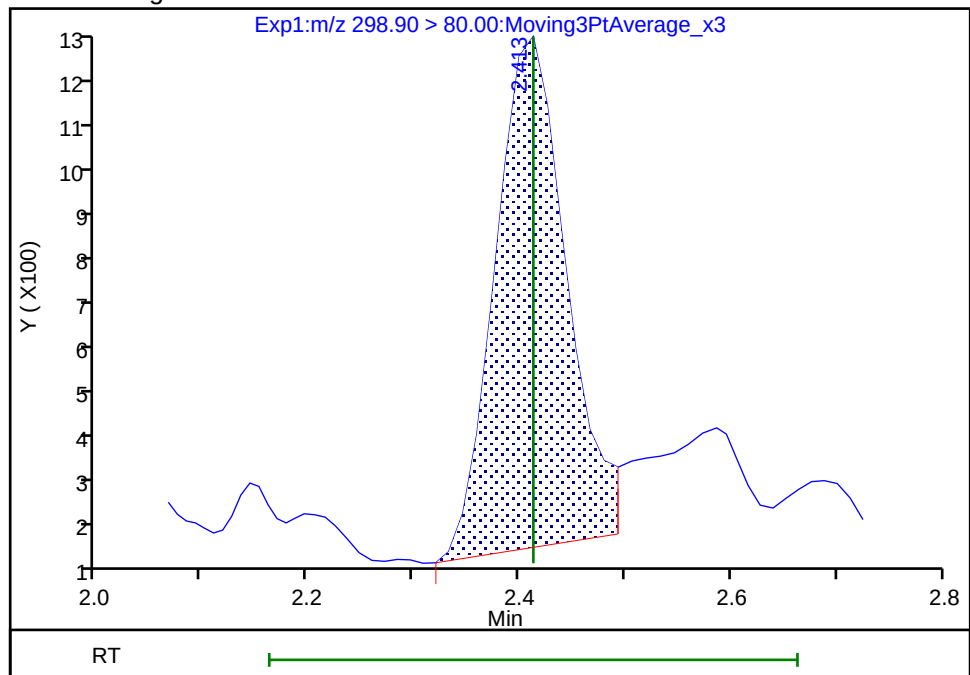
RT: 2.41
Area: 4255
Amount: 0.002788
Amount Units: ng/ml

Processing Integration Results



RT: 2.41
Area: 4968
Amount: 0.003255
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:43:04
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

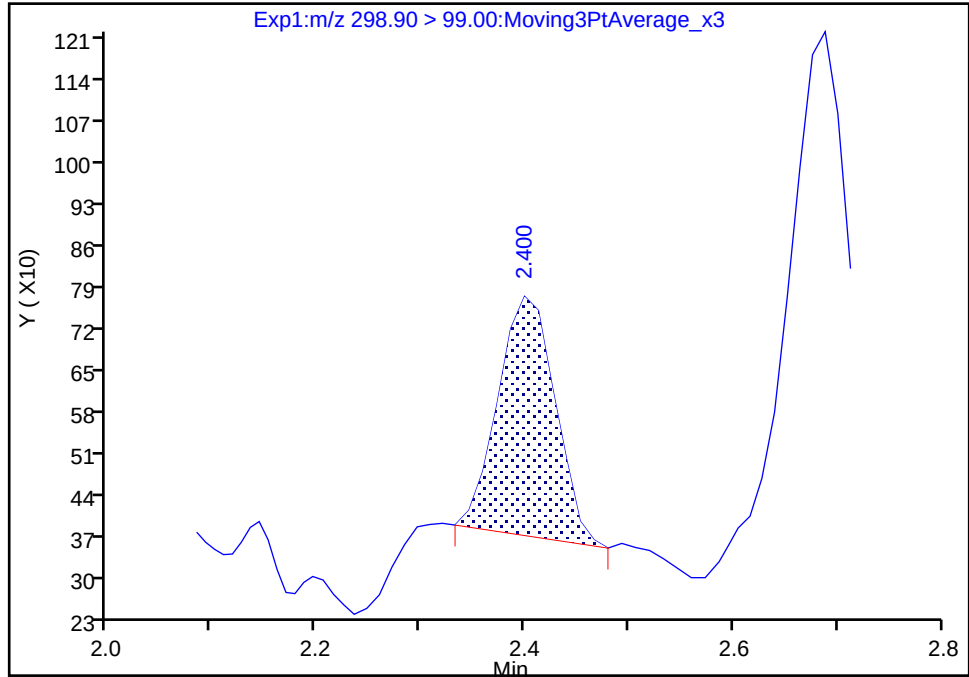
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B07.d
Injection Date: 11-Aug-2022 19:20:16 Instrument ID: LC812
Lims ID: 460-263208-A-4-A Lab Sample ID: 200-263208-4
Client ID: BCS-09-35 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

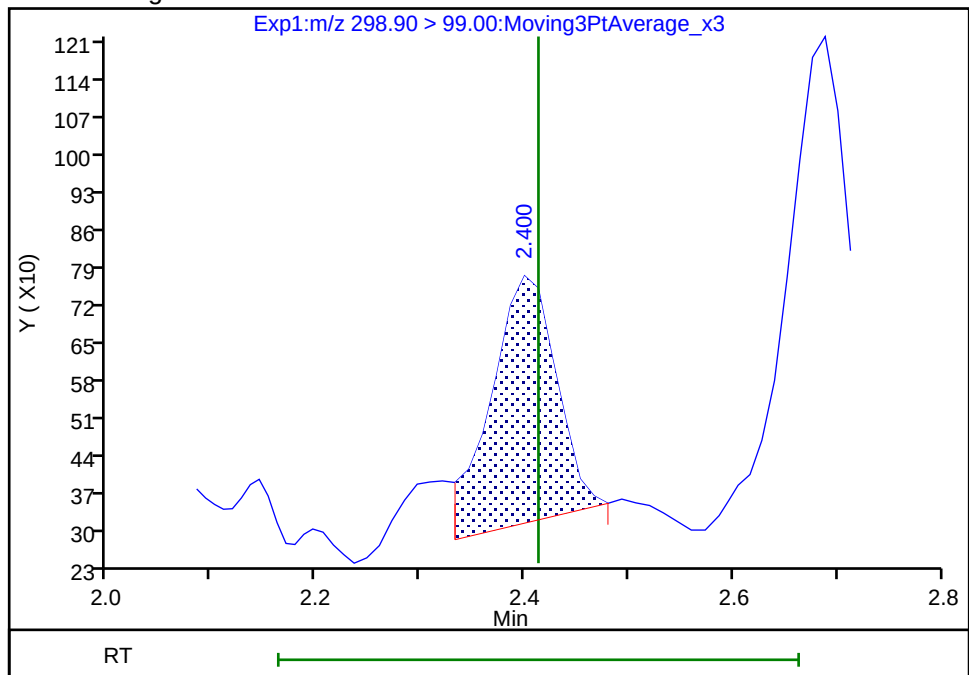
RT: 2.40
Area: 1542
Amount: 0.002788
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 2012
Amount: 0.003255
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:43:06

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

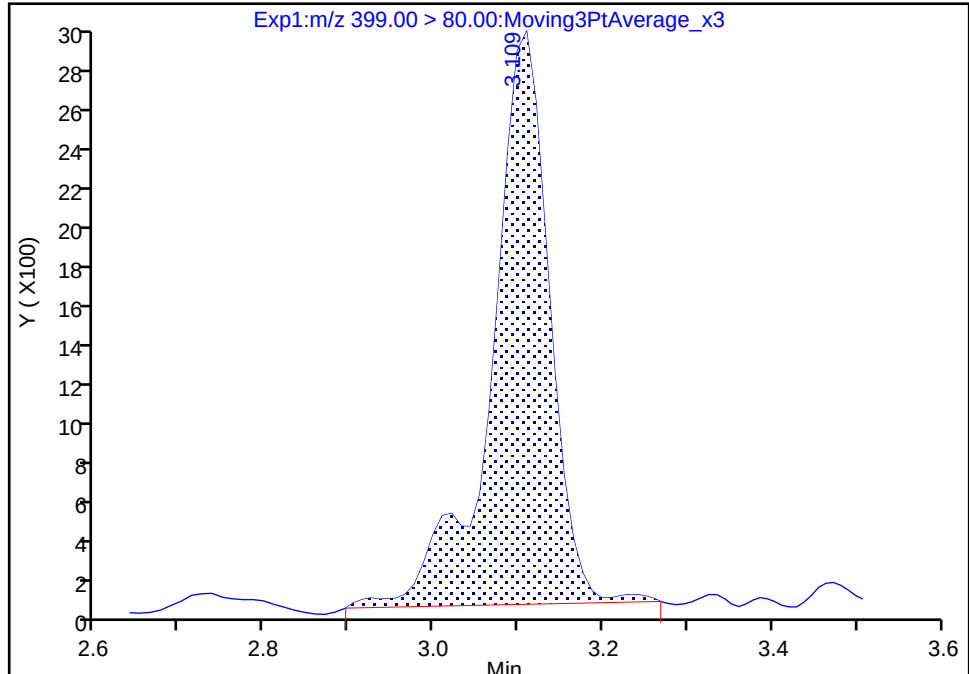
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B07.d		
Injection Date:	11-Aug-2022 19:20:16	Instrument ID:	LC812
Lims ID:	460-263208-A-4-A	Lab Sample ID:	200-263208-4
Client ID:	BCS-09-35 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	7
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	7

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

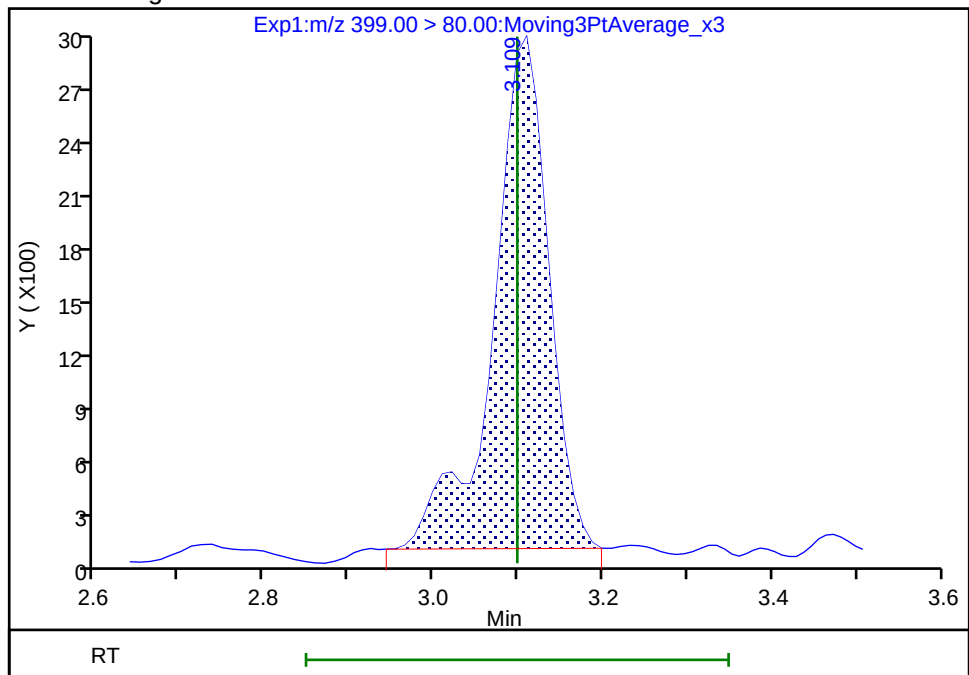
RT: 3.11
Area: 13514
Amount: 0.012038
Amount Units: ng/ml

Processing Integration Results



RT: 3.11
Area: 12798
Amount: 0.011400
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:43:20

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

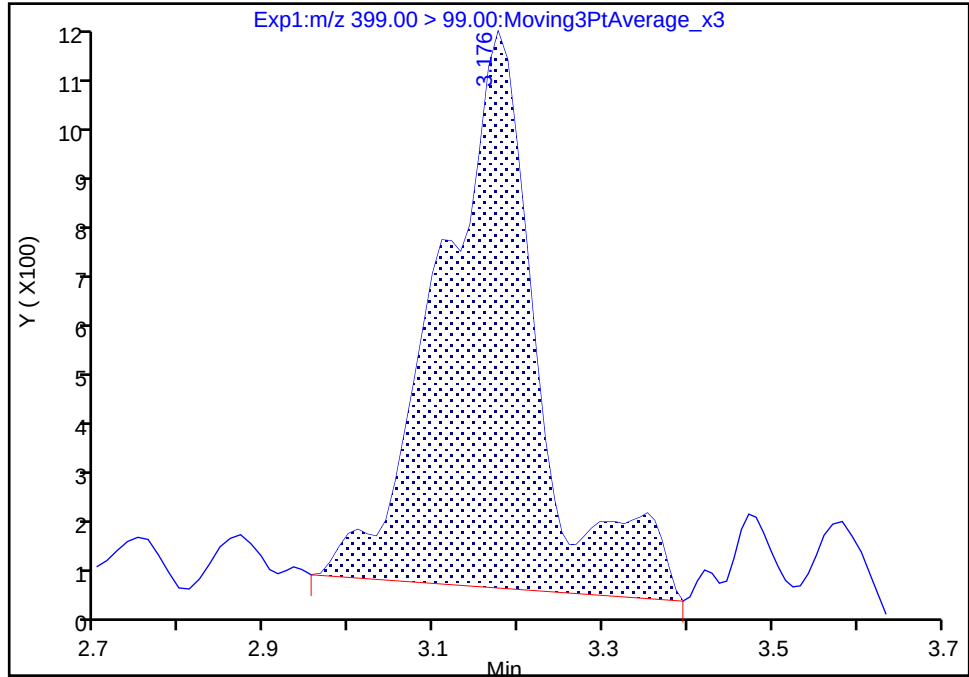
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B07.d
Injection Date: 11-Aug-2022 19:20:16 Instrument ID: LC812
Lims ID: 460-263208-A-4-A Lab Sample ID: 200-263208-4
Client ID: BCS-09-35 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

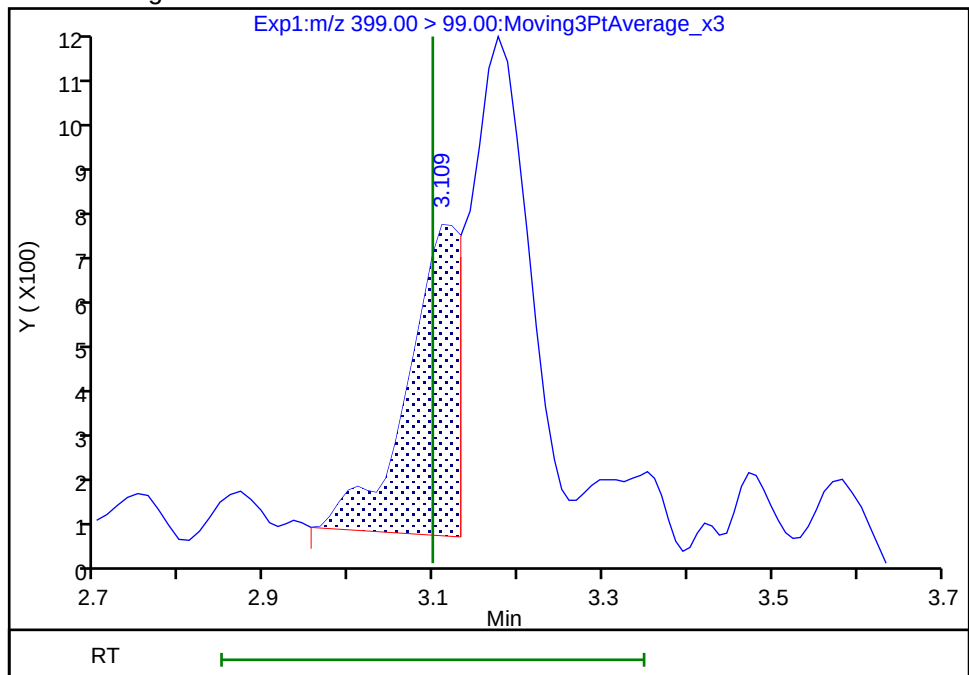
RT: 3.18
Area: 8589
Amount: 0.012038
Amount Units: ng/ml

Processing Integration Results



RT: 3.11
Area: 2711
Amount: 0.011400
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:43:24

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

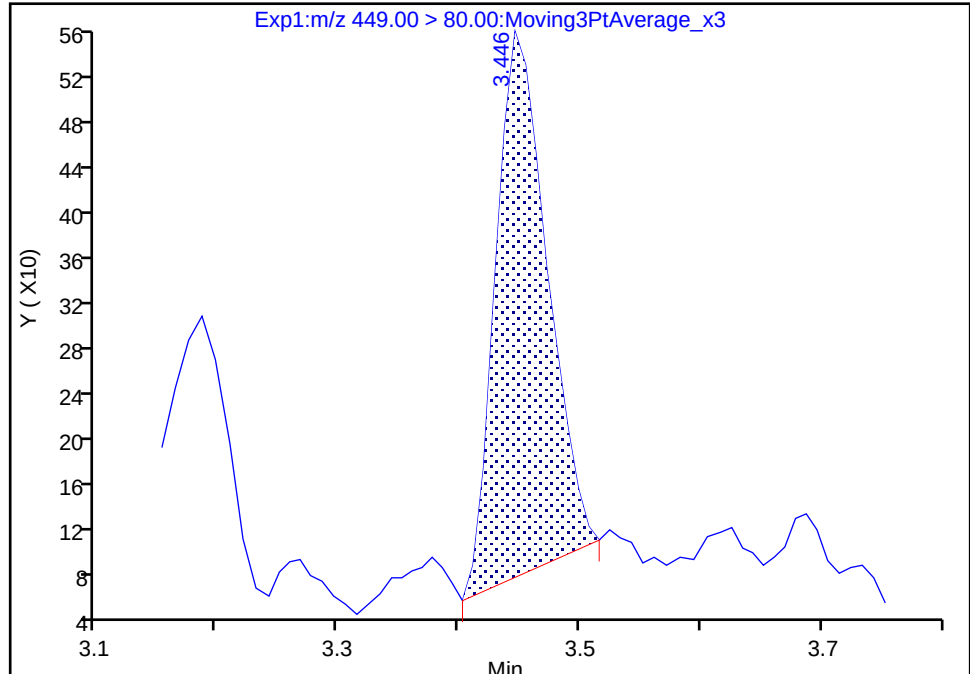
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B07.d		
Injection Date:	11-Aug-2022 19:20:16	Instrument ID:	LC812
Lims ID:	460-263208-A-4-A	Lab Sample ID:	200-263208-4
Client ID:	BCS-09-35 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	7
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	7

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

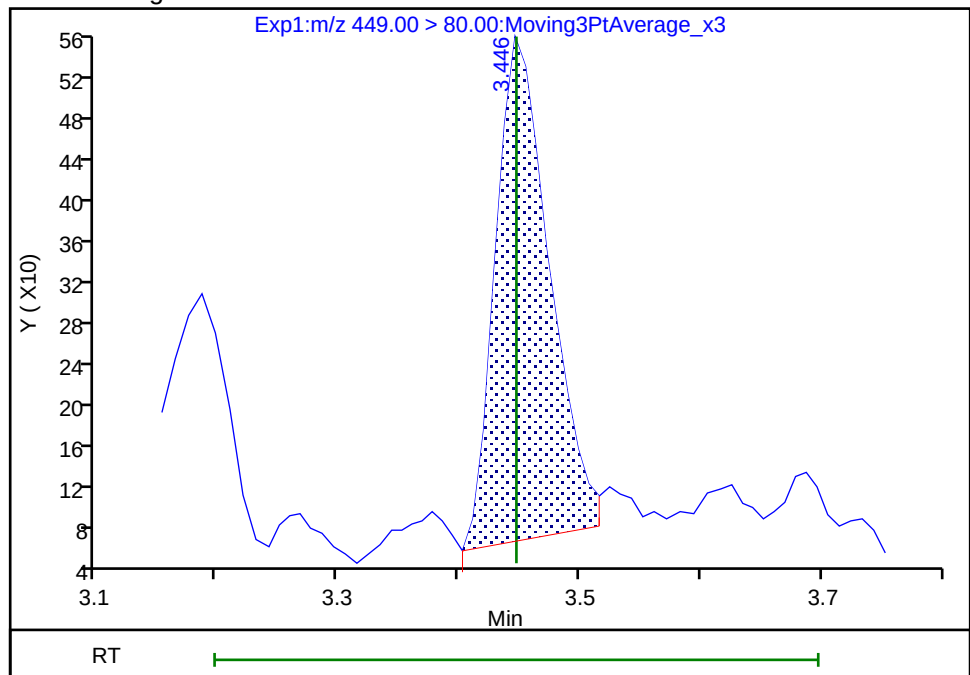
RT: 3.45
Area: 1410
Amount: 0.001512
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 1508
Amount: 0.001617
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:44:07

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

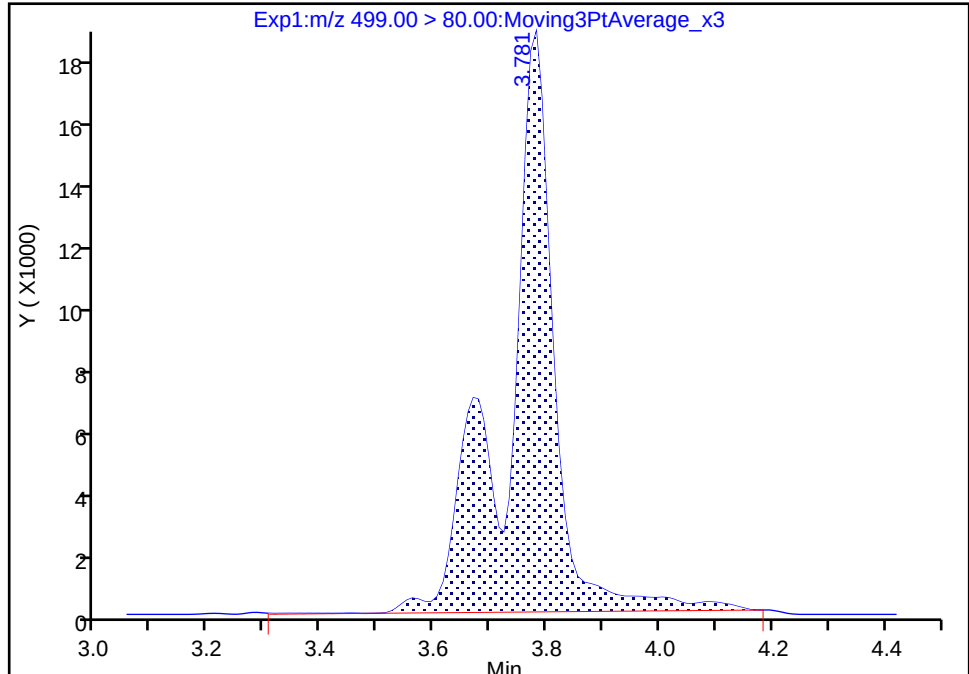
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B07.d		
Injection Date:	11-Aug-2022 19:20:16	Instrument ID:	LC812
Lims ID:	460-263208-A-4-A	Lab Sample ID:	200-263208-4
Client ID:	BCS-09-35 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	7
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	7

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

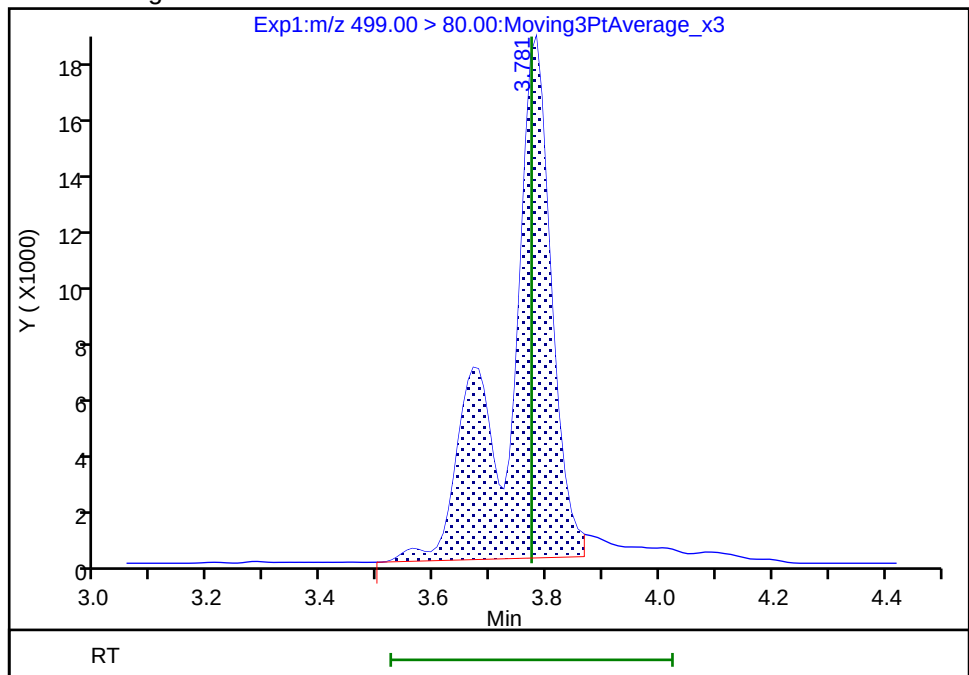
RT: 3.78
Area: 108379
Amount: 0.125914
Amount Units: ng/ml

Processing Integration Results



RT: 3.78
Area: 99728
Amount: 0.114389
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:44:29
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

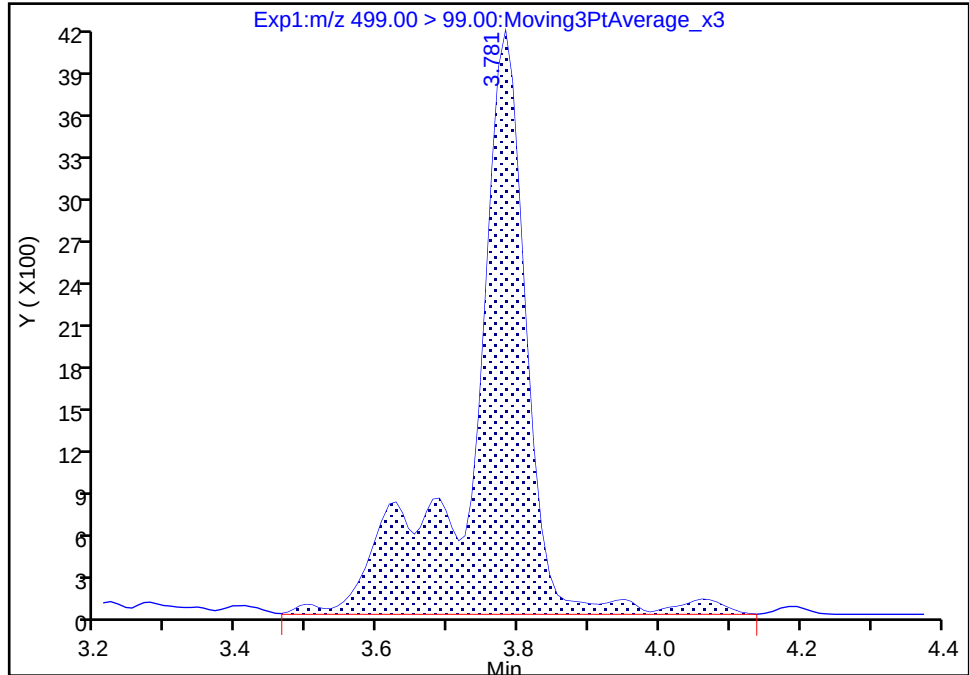
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B07.d
Injection Date: 11-Aug-2022 19:20:16 Instrument ID: LC812
Lims ID: 460-263208-A-4-A Lab Sample ID: 200-263208-4
Client ID: BCS-09-35 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

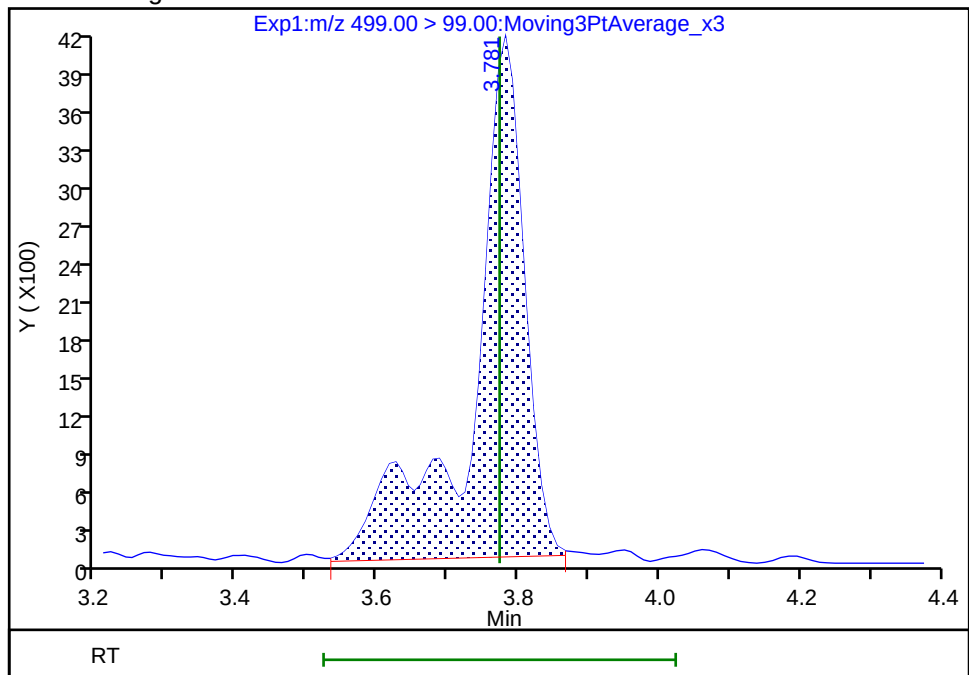
RT: 3.78
Area: 23261
Amount: 0.125914
Amount Units: ng/ml

Processing Integration Results



RT: 3.78
Area: 21272
Amount: 0.114389
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:44:43

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

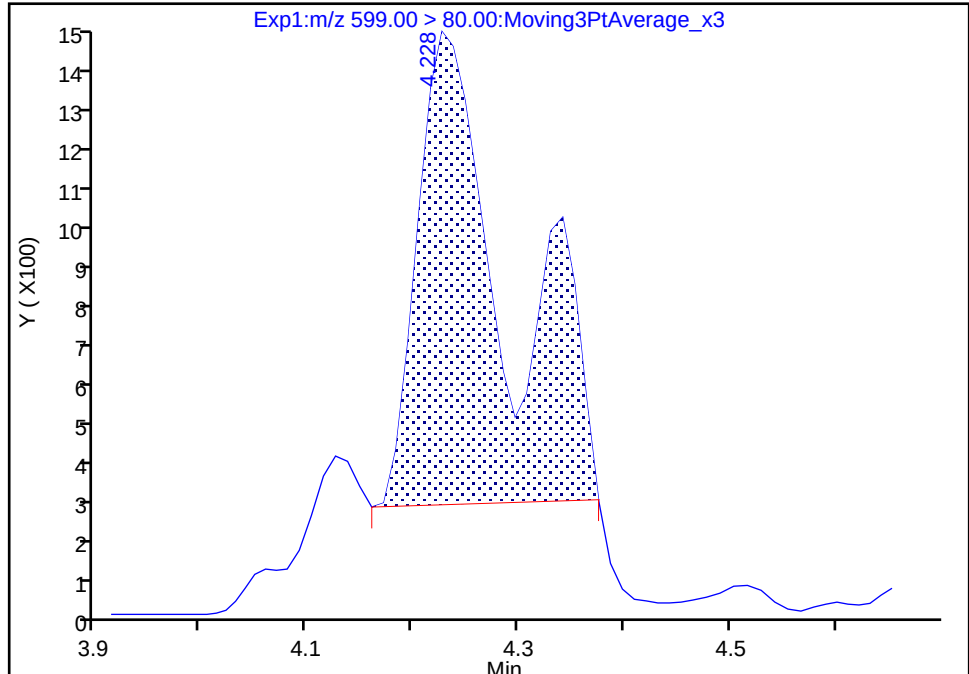
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B07.d		
Injection Date:	11-Aug-2022 19:20:16	Instrument ID:	LC812
Lims ID:	460-263208-A-4-A	Lab Sample ID:	200-263208-4
Client ID:	BCS-09-35 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	7
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	7

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

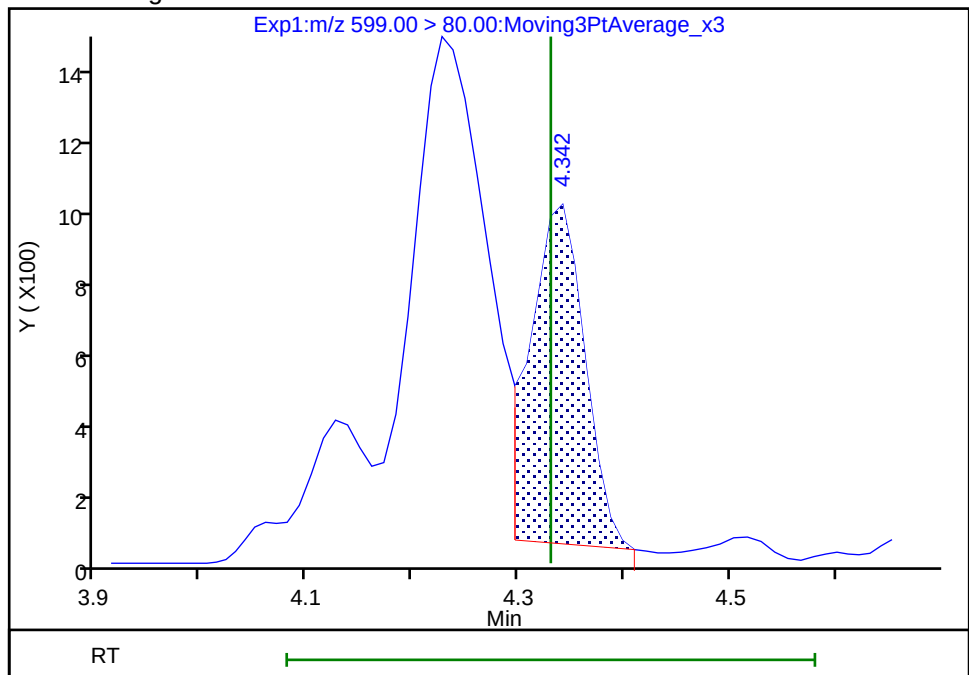
RT: 4.23
Area: 6903
Amount: 0.015704
Amount Units: ng/ml

Processing Integration Results



RT: 4.34
Area: 3220
Amount: 0.007325
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:45:40
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

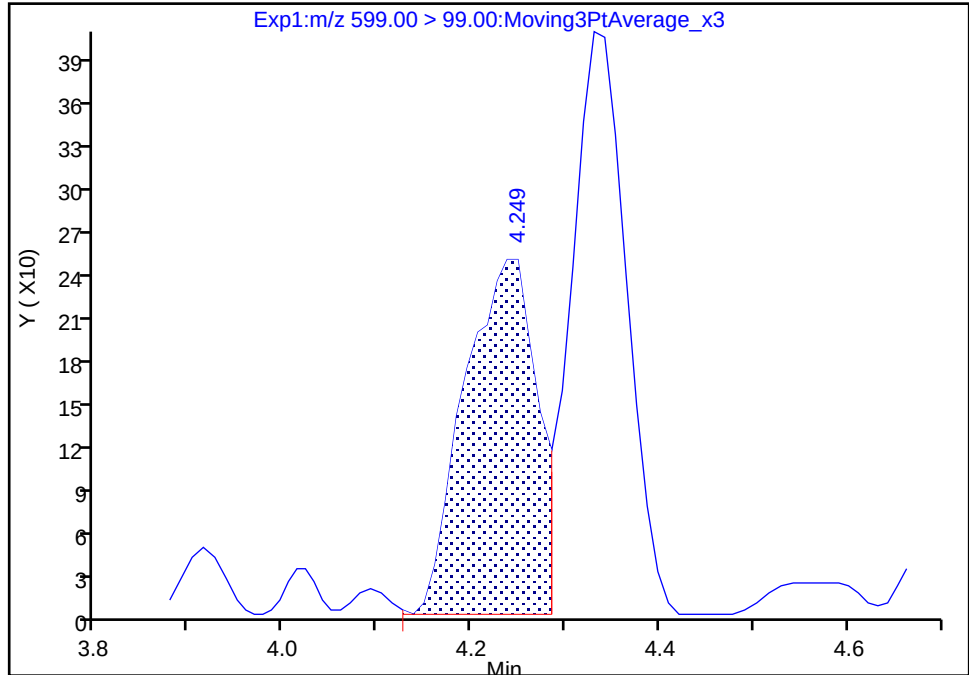
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B07.d
Injection Date: 11-Aug-2022 19:20:16 Instrument ID: LC812
Lims ID: 460-263208-A-4-A Lab Sample ID: 200-263208-4
Client ID: BCS-09-35 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

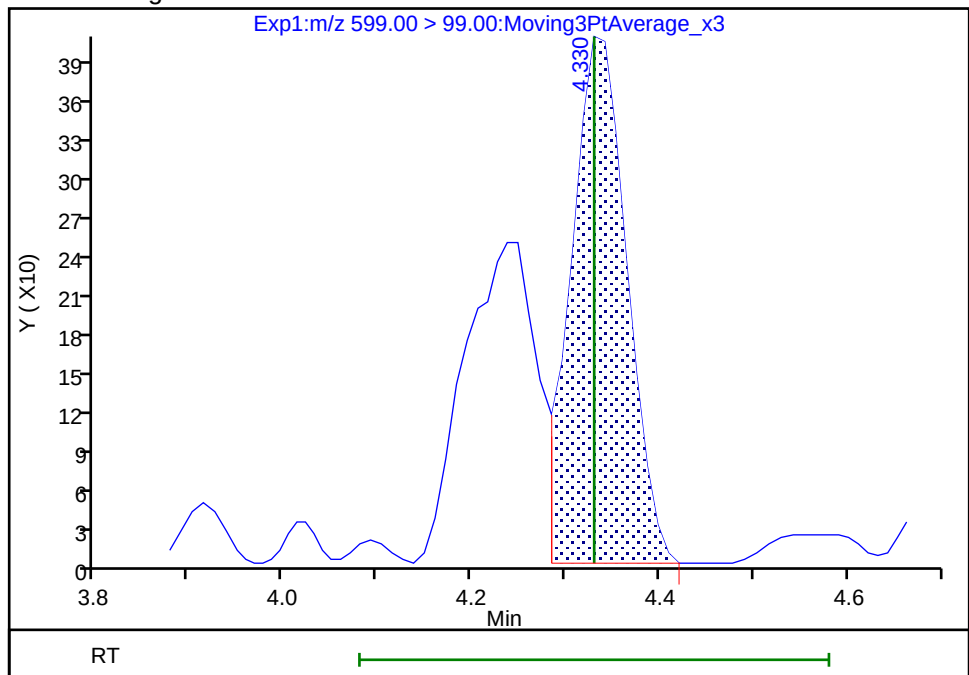
RT: 4.25
Area: 1318
Amount: 0.015704
Amount Units: ng/ml

Processing Integration Results



RT: 4.33
Area: 1666
Amount: 0.007325
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:45:48

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

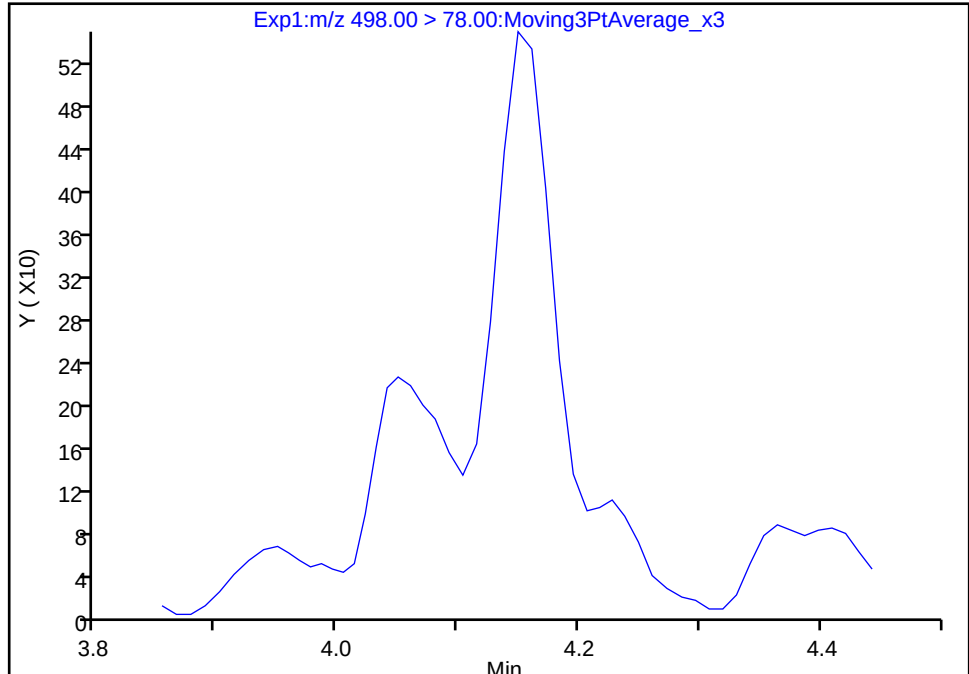
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B07.d		
Injection Date:	11-Aug-2022 19:20:16	Instrument ID:	LC812
Lims ID:	460-263208-A-4-A	Lab Sample ID:	200-263208-4
Client ID:	BCS-09-35 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	7
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	7

22 Perfluorooctanesulfonamide, CAS: 754-91-6

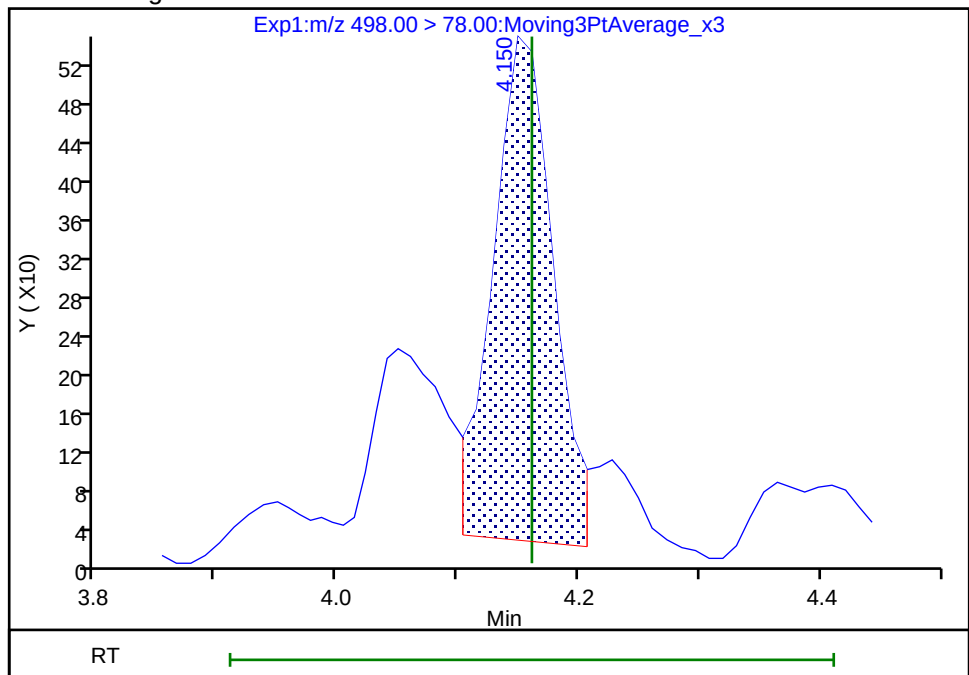
Signal: 1

Not Detected
Expected RT: 4.16

Processing Integration Results



Manual Integration Results

RT: 4.15
Area: 1773
Amount: 0.001742
Amount Units: ng/mlReviewer: nampitakw, 12-Aug-2022 08:45:21
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

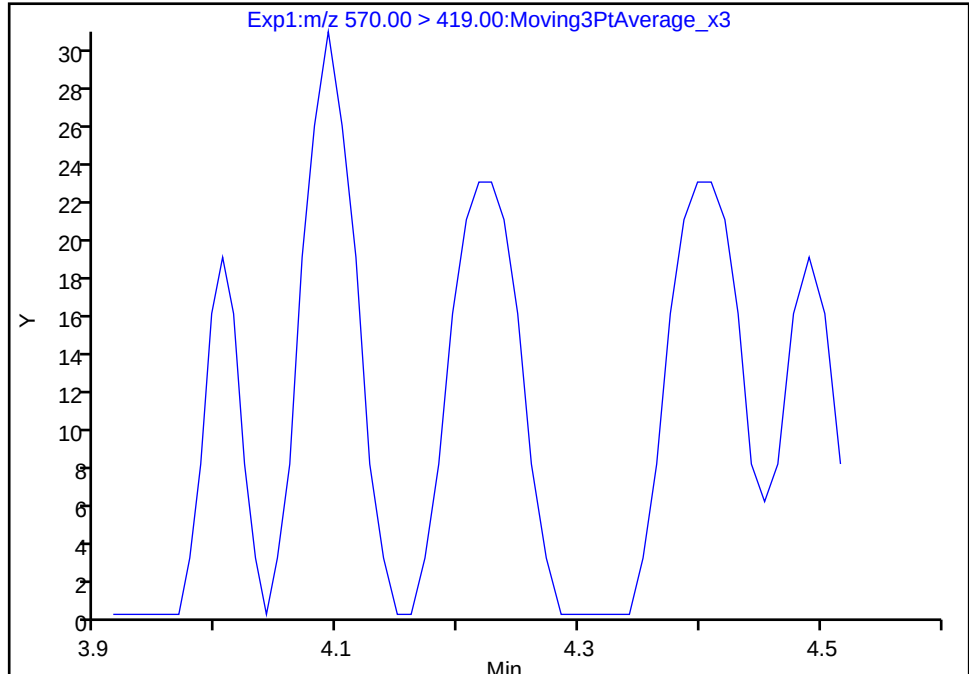
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B07.d		
Injection Date:	11-Aug-2022 19:20:16	Instrument ID:	LC812
Lims ID:	460-263208-A-4-A	Lab Sample ID:	200-263208-4
Client ID:	BCS-09-35 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	7
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	7

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

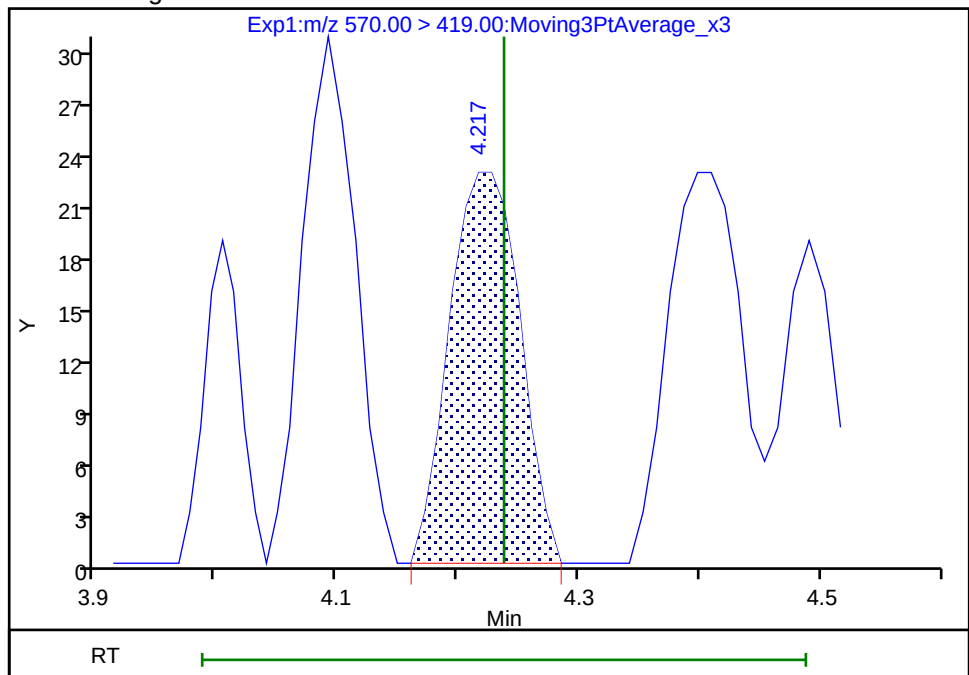
Signal: 1

Not Detected
Expected RT: 4.24

Processing Integration Results



Manual Integration Results



RT: 4.22
Area: 93
Amount: 0.000575
Amount Units: ng/ml

Reviewer: nampitakw, 12-Aug-2022 08:45:27

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

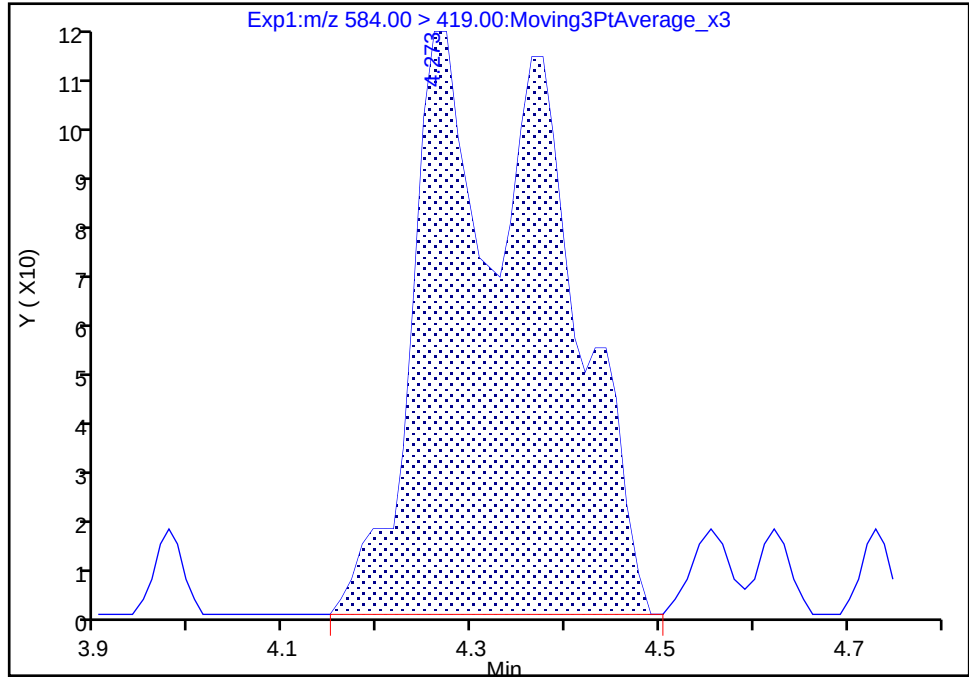
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B07.d		
Injection Date:	11-Aug-2022 19:20:16	Instrument ID:	LC812
Lims ID:	460-263208-A-4-A	Lab Sample ID:	200-263208-4
Client ID:	BCS-09-35 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	7
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	7

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

Signal: 1

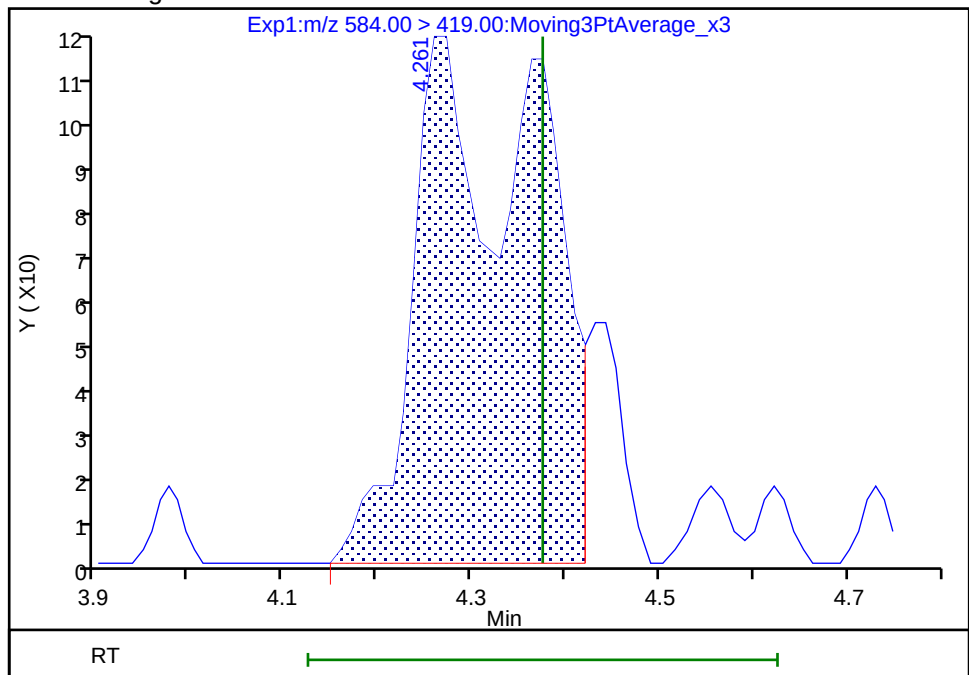
RT: 4.27
Area: 1183
Amount: 0.007710
Amount Units: ng/ml

Processing Integration Results



RT: 4.26
Area: 1047
Amount: 0.006823
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:47:44
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

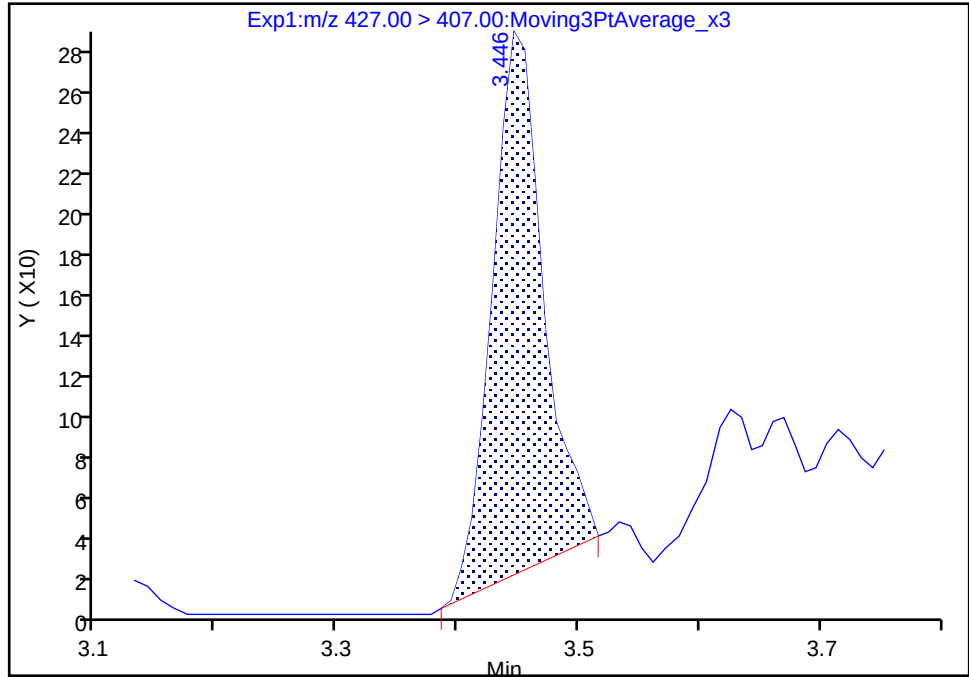
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B07.d		
Injection Date:	11-Aug-2022 19:20:16	Instrument ID:	LC812
Lims ID:	460-263208-A-4-A	Lab Sample ID:	200-263208-4
Client ID:	BCS-09-35 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	7
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	7

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

Signal: 1

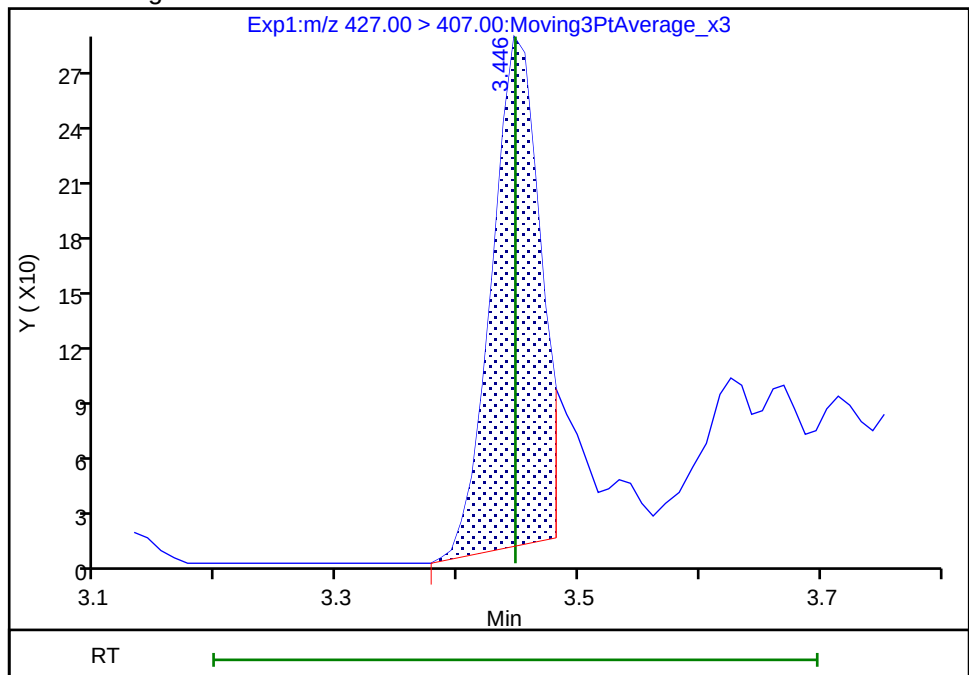
RT: 3.45
Area: 795
Amount: -0.013773
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 772
Amount: -0.013861
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:43:58

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

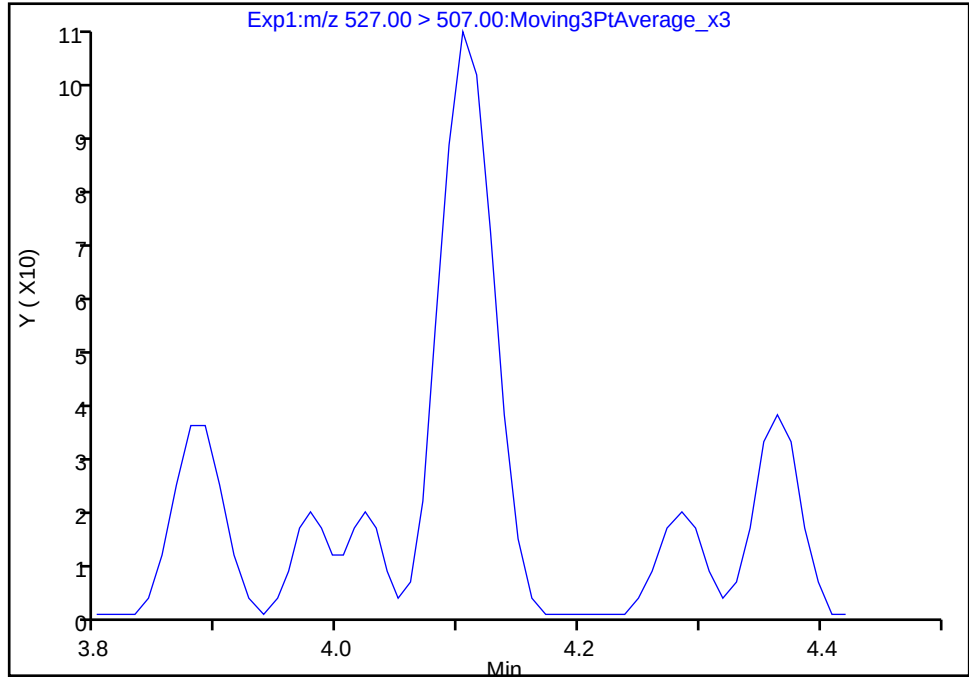
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B07.d		
Injection Date:	11-Aug-2022 19:20:16	Instrument ID:	LC812
Lims ID:	460-263208-A-4-A	Lab Sample ID:	200-263208-4
Client ID:	BCS-09-35 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	7
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	7

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

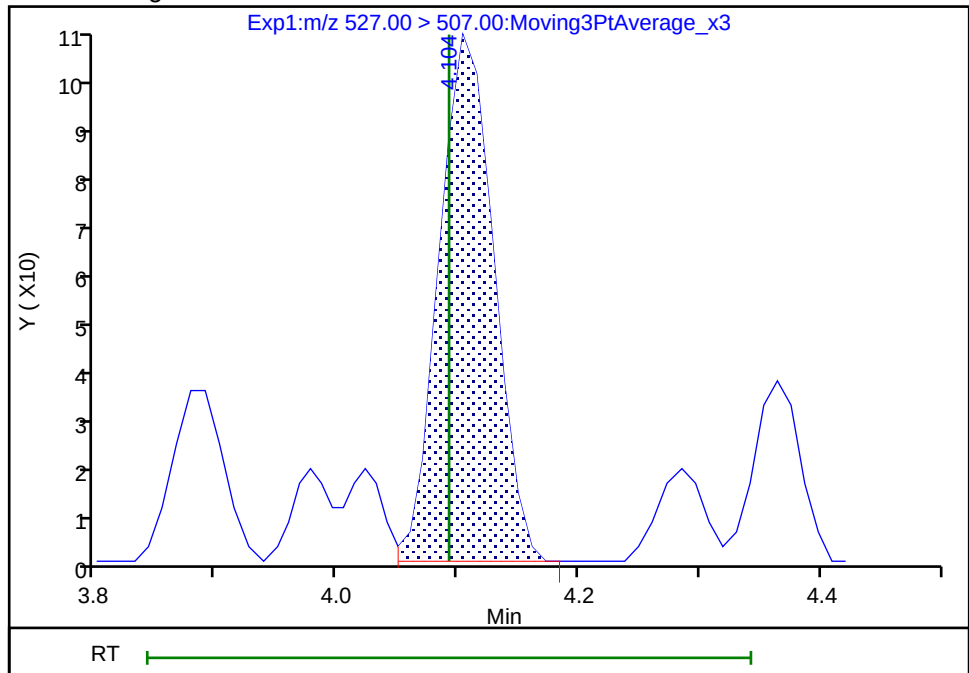
Signal: 1

Not Detected
Expected RT: 4.09

Processing Integration Results



Manual Integration Results



RT: 4.10
Area: 340
Amount: 0.001648
Amount Units: ng/ml

Reviewer: nampitakw, 12-Aug-2022 08:45:11
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

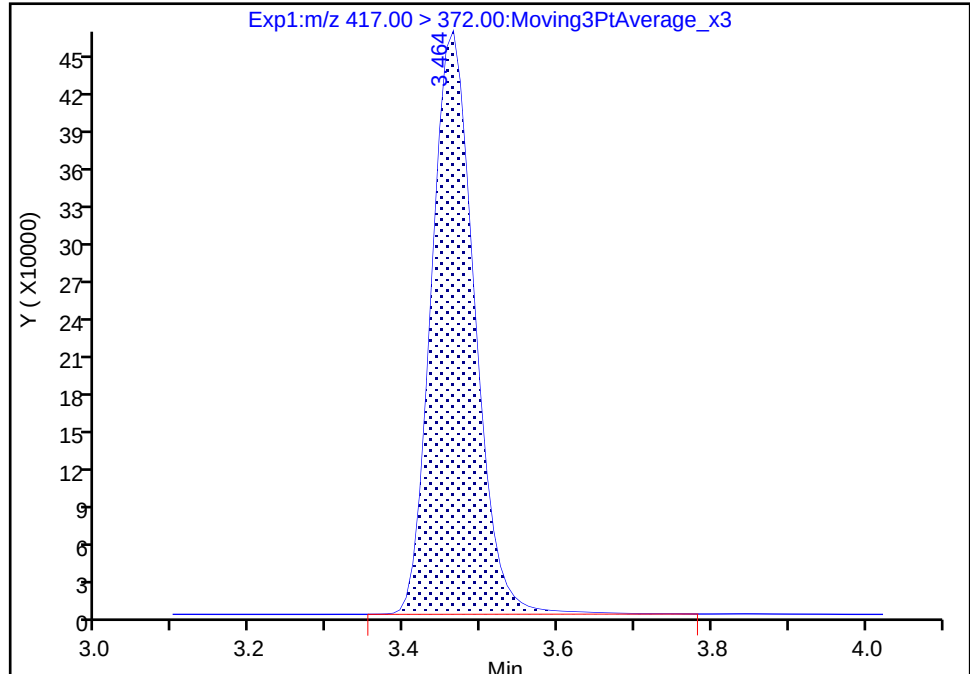
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B07.d		
Injection Date:	11-Aug-2022 19:20:16	Instrument ID:	LC812
Lims ID:	460-263208-A-4-A	Lab Sample ID:	200-263208-4
Client ID:	BCS-09-35 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	7
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	7

D 14 13C4 PFOA, CAS: STL00990

Signal: 1

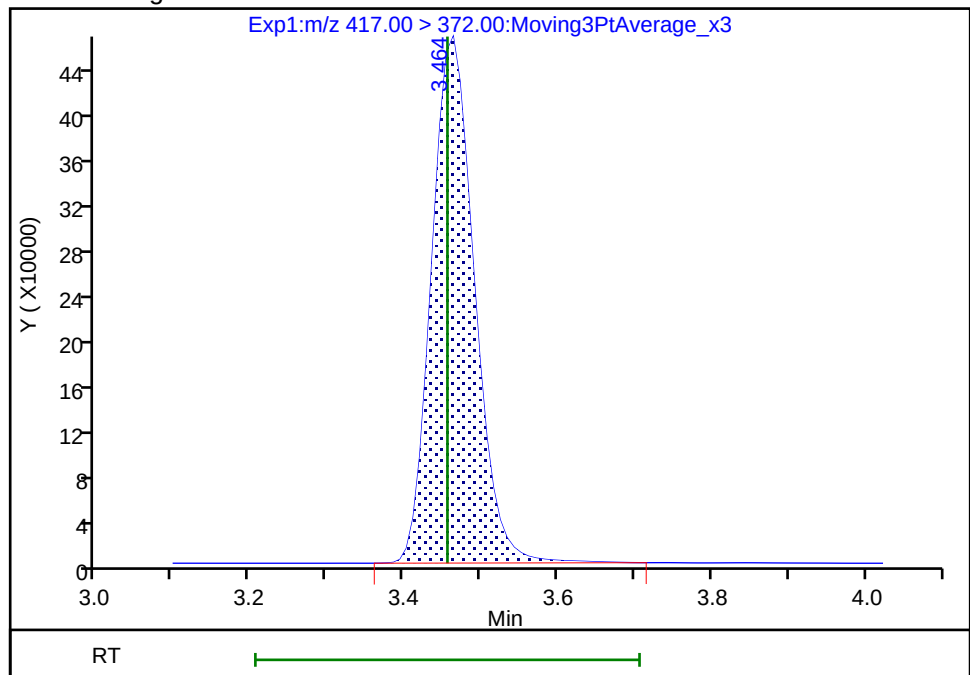
RT: 3.46
Area: 1810376
Amount: 1.208206
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 1806862
Amount: 1.205861
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:42:17

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

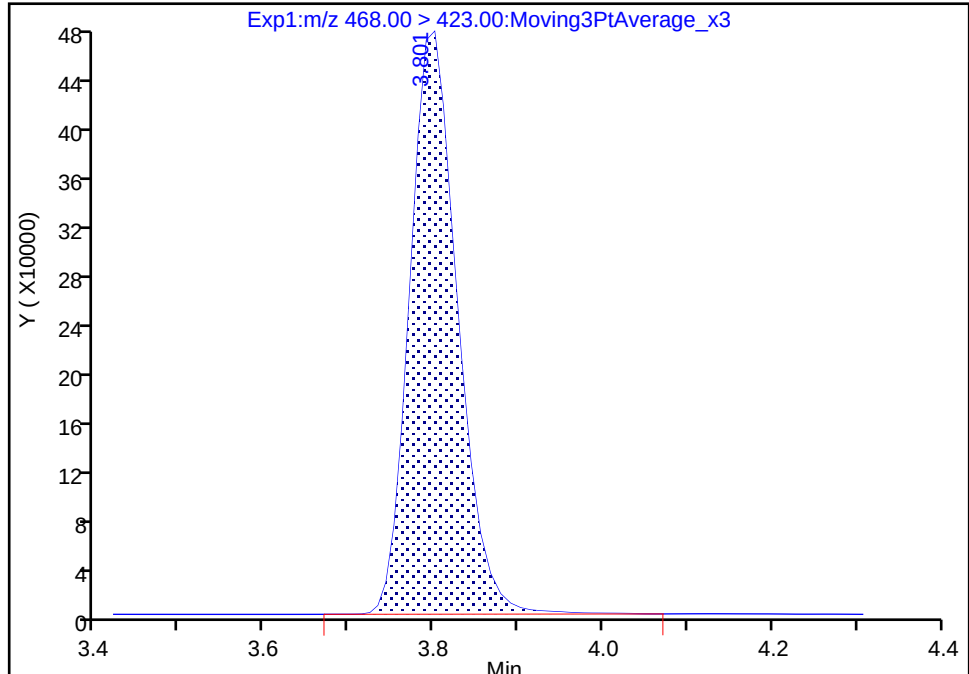
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B07.d		
Injection Date:	11-Aug-2022 19:20:16	Instrument ID:	LC812
Lims ID:	460-263208-A-4-A	Lab Sample ID:	200-263208-4
Client ID:	BCS-09-35 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	7
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	7

D 19 13C5 PFNA, CAS: STL00995

Signal: 1

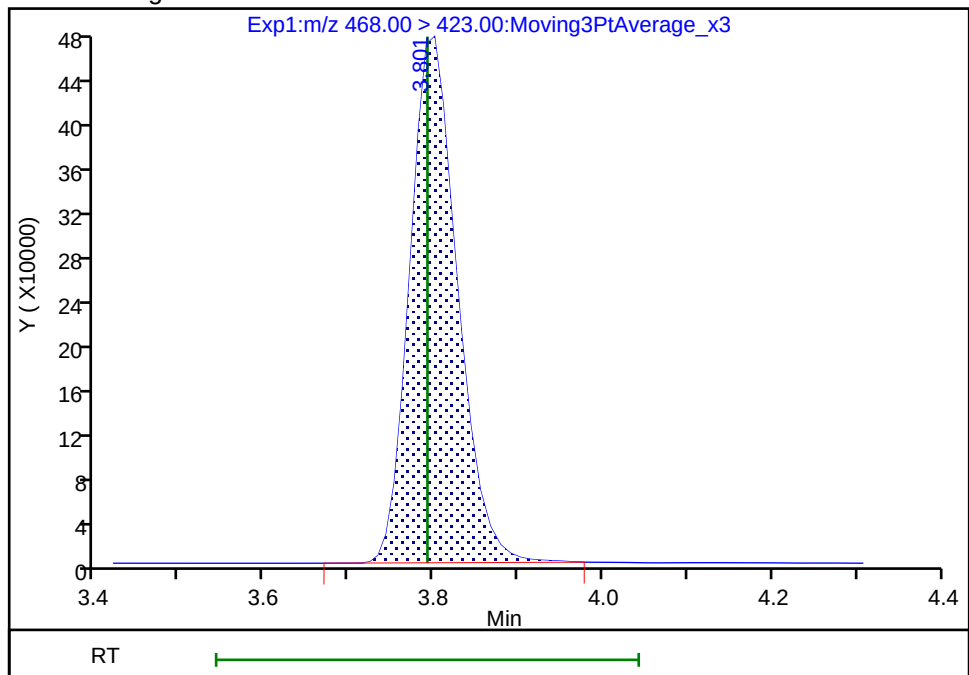
RT: 3.80
Area: 1867388
Amount: 1.200425
Amount Units: ng/ml

Processing Integration Results



RT: 3.80
Area: 1859109
Amount: 1.195103
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 09:50:35
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

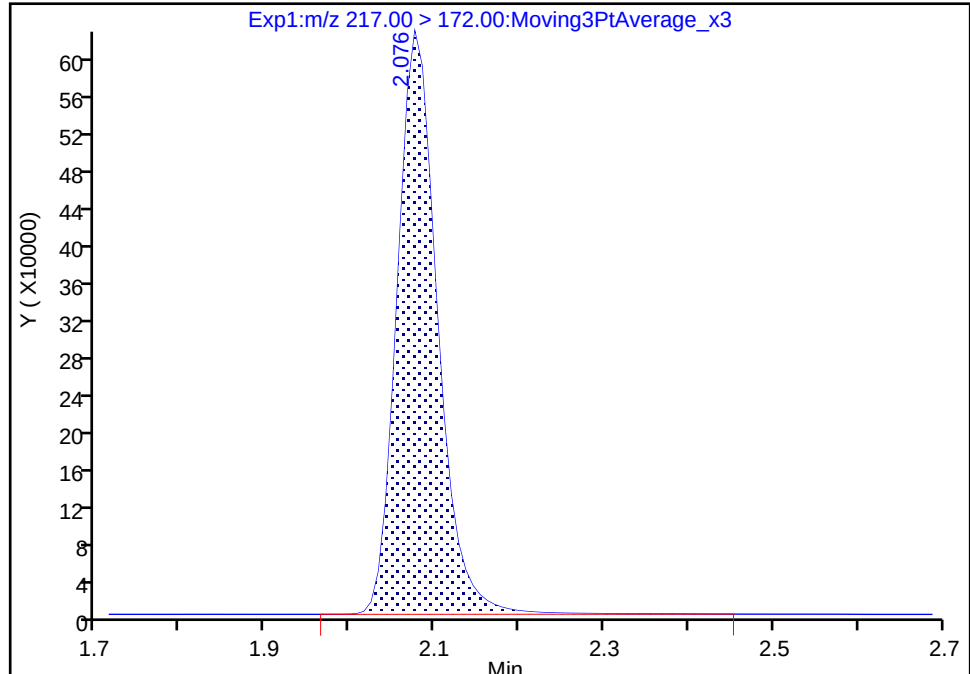
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B07.d		
Injection Date:	11-Aug-2022 19:20:16	Instrument ID:	LC812
Lims ID:	460-263208-A-4-A	Lab Sample ID:	200-263208-4
Client ID:	BCS-09-35 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	7
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	7

D 1 13C4 PFBA, CAS: STL00992

Signal: 1

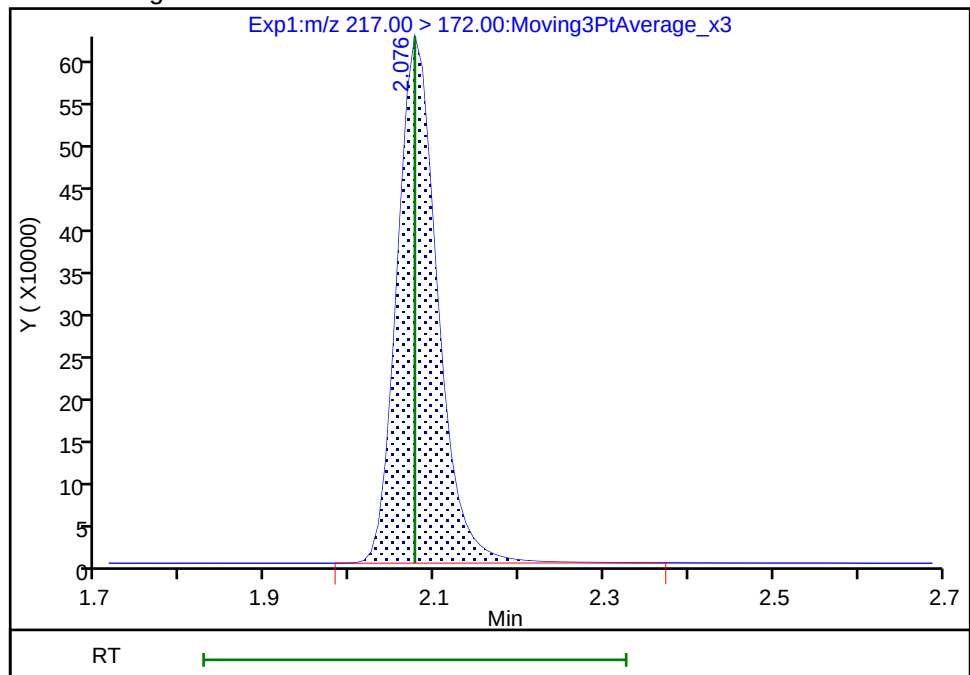
RT: 2.08
Area: 2078844
Amount: 1.132362
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 2075633
Amount: 1.130613
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 09:50:13
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

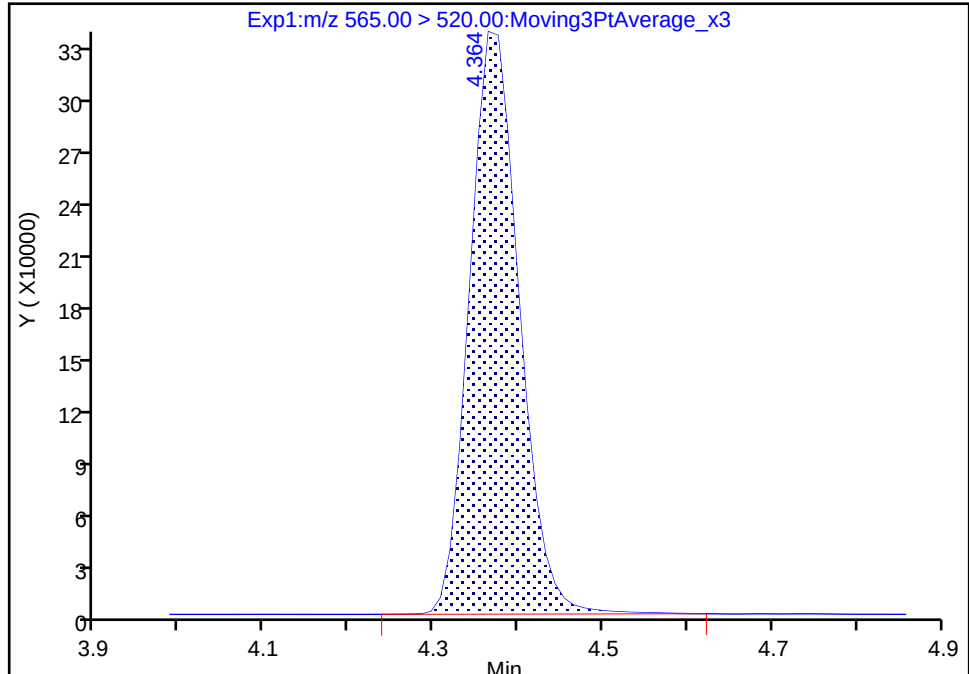
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B07.d		
Injection Date:	11-Aug-2022 19:20:16	Instrument ID:	LC812
Lims ID:	460-263208-A-4-A	Lab Sample ID:	200-263208-4
Client ID:	BCS-09-35 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	7
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	7

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

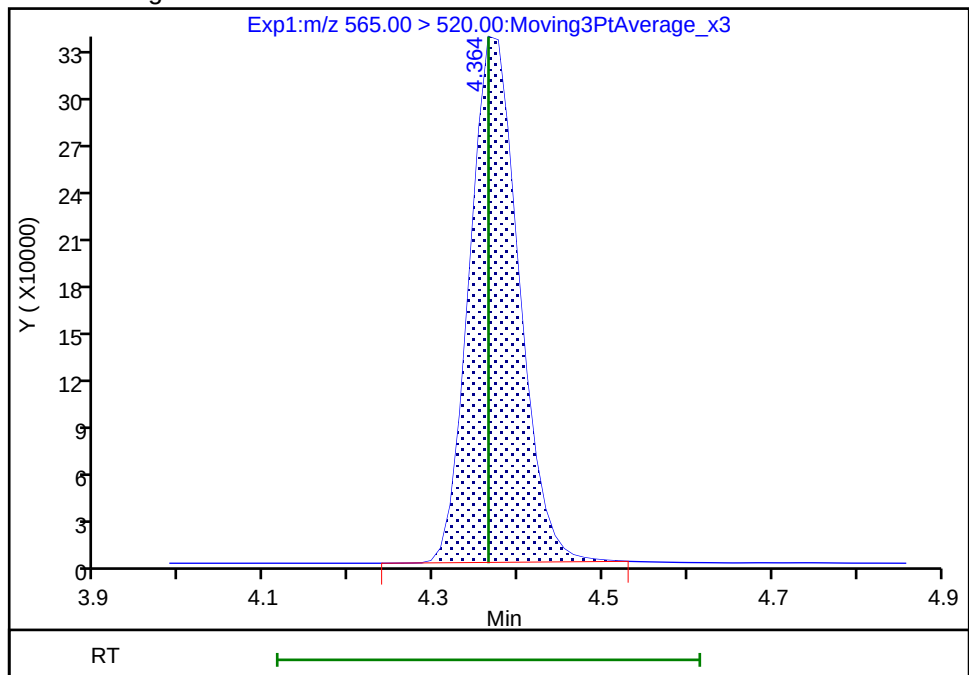
RT: 4.36
Area: 1370482
Amount: 1.194736
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 1360404
Amount: 1.185950
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 09:50:50
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

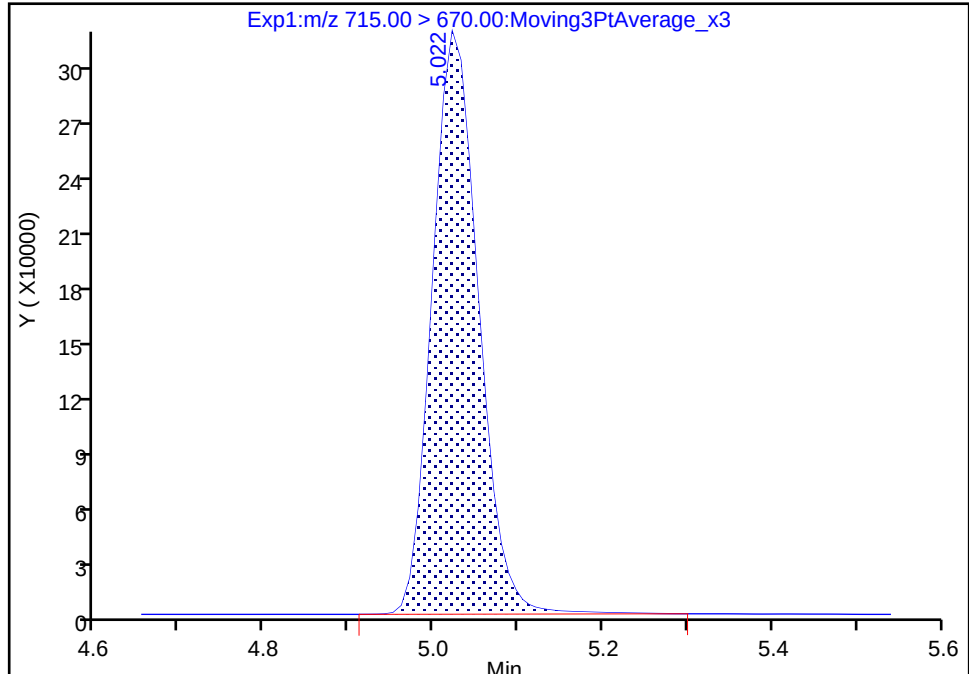
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B07.d		
Injection Date:	11-Aug-2022 19:20:16	Instrument ID:	LC812
Lims ID:	460-263208-A-4-A	Lab Sample ID:	200-263208-4
Client ID:	BCS-09-35 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	7
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	7

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

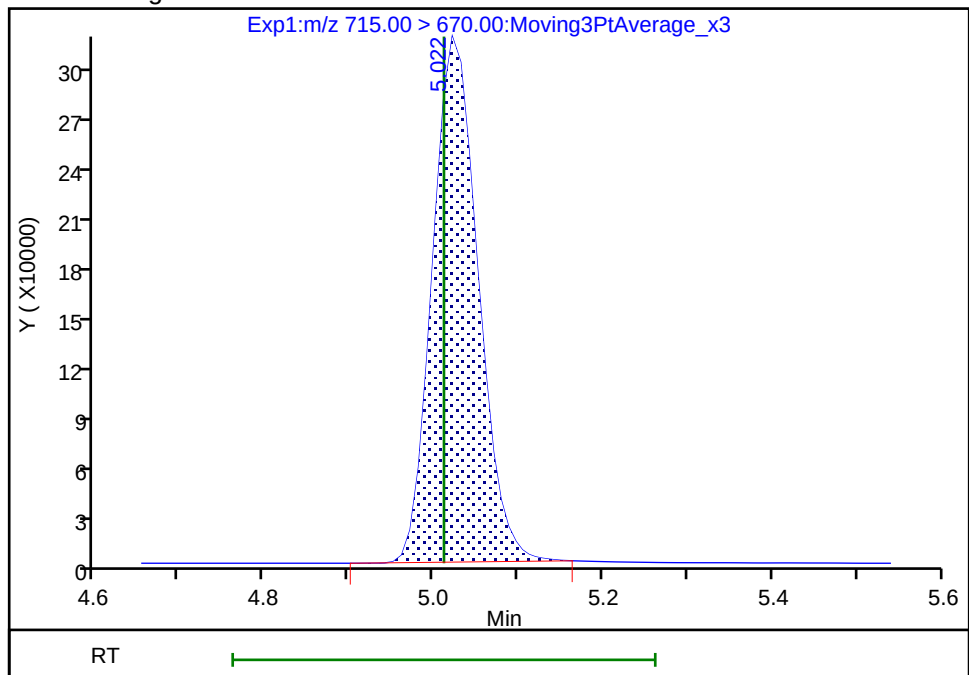
RT: 5.02
Area: 1180388
Amount: 1.214758
Amount Units: ng/ml

Processing Integration Results



RT: 5.02
Area: 1166608
Amount: 1.200577
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 09:50:59
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

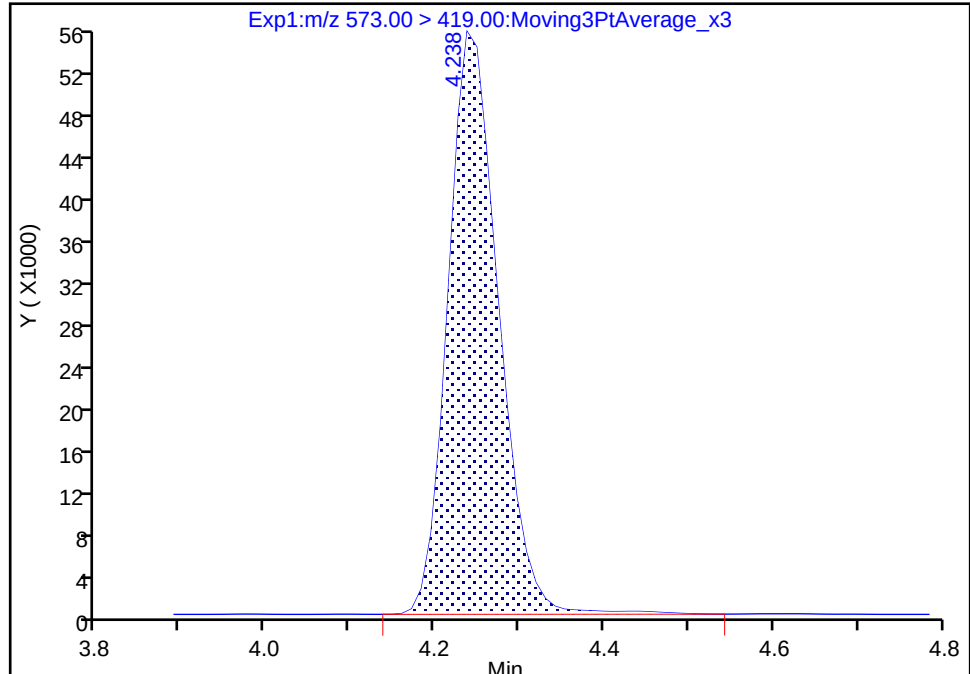
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B07.d		
Injection Date:	11-Aug-2022 19:20:16	Instrument ID:	LC812
Lims ID:	460-263208-A-4-A	Lab Sample ID:	200-263208-4
Client ID:	BCS-09-35 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	7
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	7

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

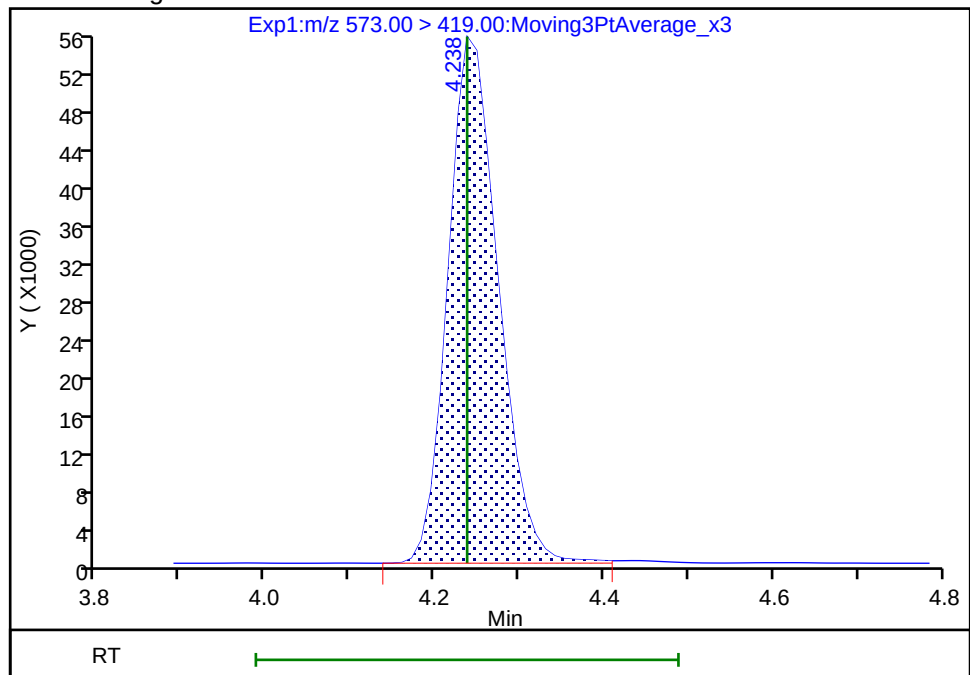
RT: 4.24
Area: 228732
Amount: 1.127204
Amount Units: ng/ml

Processing Integration Results



RT: 4.24
Area: 227681
Amount: 1.122025
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:42:26
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

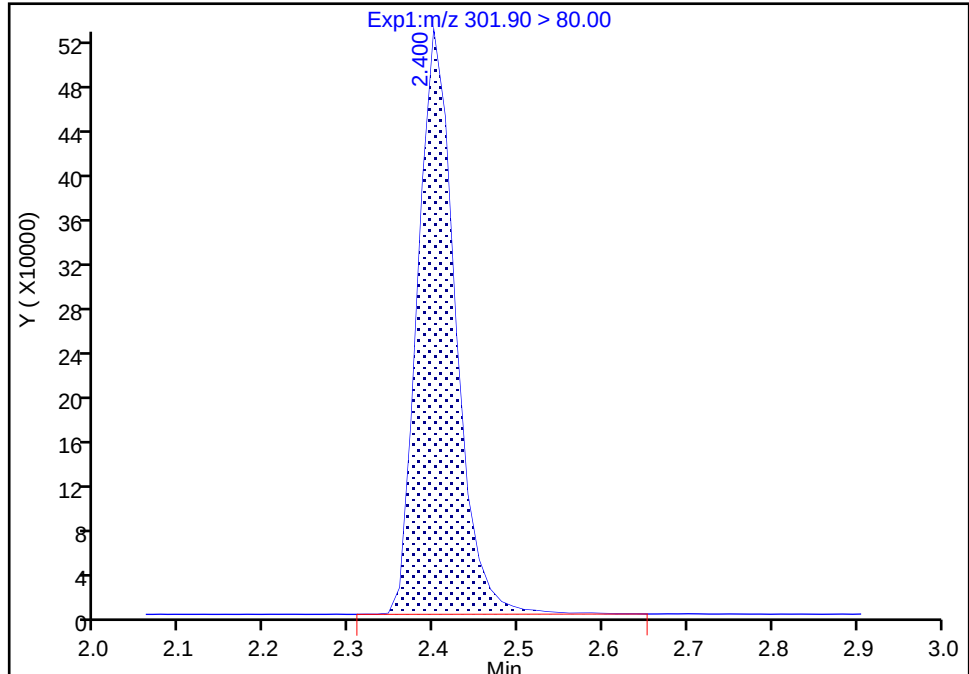
Data File:	\\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B07.d		
Injection Date:	11-Aug-2022 19:20:16	Instrument ID:	LC812
Lims ID:	460-263208-A-4-A	Lab Sample ID:	200-263208-4
Client ID:	BCS-09-35 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	7
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	7

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

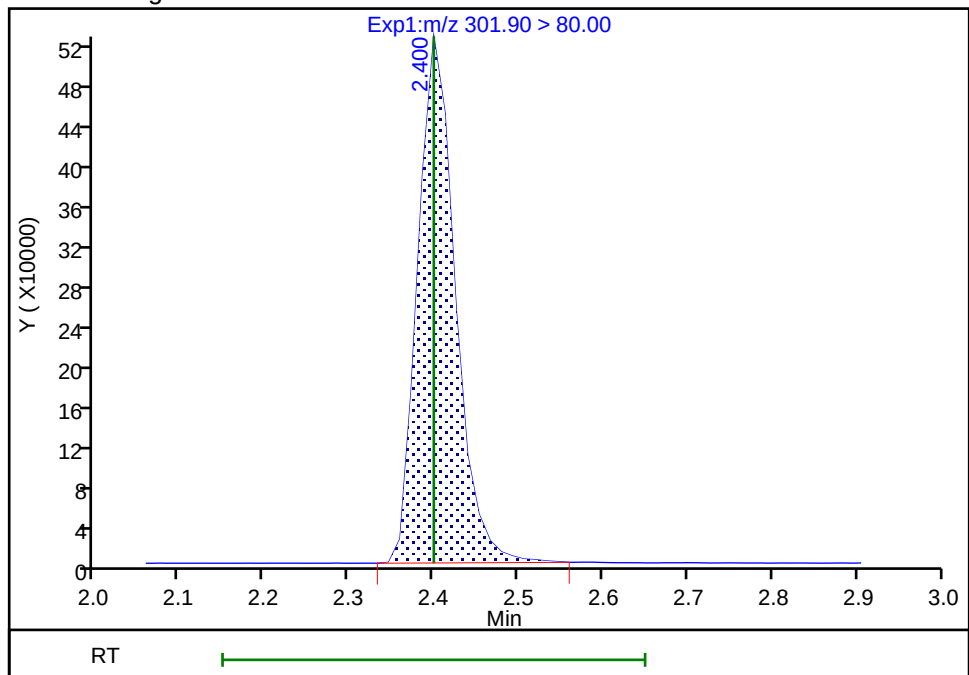
RT: 2.40
Area: 1614520
Amount: 0.988144
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 1607517
Amount: 0.983858
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:42:10

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-263208-1

SDG No.: _____

Client Sample ID: FB-08032022P Lab Sample ID: 460-263208-5

Matrix: Water Lab File ID: PA220809A23.d

Analysis Method: 537 (modified) Date Collected: 08/03/2022 12:05

Extraction Method: 3535 Date Extracted: 08/09/2022 10:37

Sample wt/vol: 313.3(mL) Date Analyzed: 08/09/2022 18:51

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.: 182508 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	3.99	U	3.99	0.96
2706-90-3	Perfluoropentanoic acid (PFPeA)	1.60	U	1.60	0.54
307-24-4	Perfluorohexanoic acid (PFHxA)	1.60	U	1.60	0.52
375-85-9	Perfluoroheptanoic acid (PFHpA)	1.60	U	1.60	0.43
335-67-1	Perfluorooctanoic acid (PFOA)	1.60	U	1.60	0.61
375-95-1	Perfluorononanoic acid (PFNA)	1.60	U	1.60	0.39
335-76-2	Perfluorodecanoic acid (PFDA)	1.60	U	1.60	0.37
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1.60	U	1.60	0.44
307-55-1	Perfluorododecanoic acid (PFDoA)	1.60	U	1.60	0.39
72629-94-8	Perfluorotridecanoic acid (PFTriA)	1.60	U	1.60	0.38
376-06-7	Perfluorotetradecanoic acid (PFTeA)	1.60	U	1.60	0.51
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1.60	U	1.60	0.49
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1.60	U	1.60	0.44
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	1.60	U	1.60	0.33
335-77-3	Perfluorodecanesulfonic acid (PFDS)	1.60	U	1.60	0.32
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1.60	U	1.60	0.68
754-91-6	Perfluorooctanesulfonamide (FOSA)	1.60	U	1.60	0.73
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	3.99	U	3.99	1.52
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	3.99	U	3.99	1.28
27619-97-2	6:2 FTS	3.99	U	3.99	1.04
39108-34-4	8:2 FTS	1.60	U	1.60	0.61

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-263208-1
 SDG No.: _____
 Client Sample ID: FB-08032022P Lab Sample ID: 460-263208-5
 Matrix: Water Lab File ID: PA220809A23.d
 Analysis Method: 537 (modified) Date Collected: 08/03/2022 12:05
 Extraction Method: 3535 Date Extracted: 08/09/2022 10:37
 Sample wt/vol: 313.3(mL) Date Analyzed: 08/09/2022 18:51
 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.: 182508 Units: ng/L

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL01056	13C8 FOSA	83		50-150
STL00992	13C4 PFBA	98		50-150
STL01893	13C5 PFPeA	101		50-150
STL00993	13C2 PFHxA	105		50-150
STL01892	13C4 PFHpA	100		50-150
STL00990	13C4 PFOA	97		50-150
STL00995	13C5 PFNA	98		50-150
STL00996	13C2 PFDA	102		50-150
STL00997	13C2 PFUnA	97		50-150
STL00998	13C2 PFDoA	100		50-150
STL02116	13C2 PFTeDA	100		50-150
STL02337	13C3 PFBS	96		50-150
STL00994	18O2 PFHxS	98		50-150
STL00991	13C4 PFOS	94		50-150
STL02118	d3-NMeFOSAA	87		50-150
STL02117	d5-NEtFOSAA	90		50-150
STL02279	M2-6:2 FTS	94		50-150
STL02280	M2-8:2 FTS	99		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A23.d
 Lims ID: 460-263208-A-5-A
 Client ID: FB-08032022P
 Sample Type: Client
 Inject. Date: 09-Aug-2022 18:51:11 ALS Bottle#: 20 Worklist Smp#: 23
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: 460-263208-A-5-A
 Misc. Info.: 200-0052011-023 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 10-Aug-2022 09:54:29 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: CTX1674

First Level Reviewer: khanphomeea

Date: 10-Aug-2022 12:04:39

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	2.085	-0.008	0.600	2330039	1.23		98.4	15391	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.077	2.085	-0.008	1.000	23513	0.0130			1.5	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.378	2.386	-0.008	0.687	1833337	1.26		101	3240	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.378	2.386	-0.008	1.000	5804	0.003839			0.2	M
D 47 13C3 PFBS										
301.90 > 80.00	2.404	2.400	0.004	0.695	1884054	1.12		96.2	282787	
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.404	2.413	-0.009	1.000	5659	0.003163	Target=2.23		3.9	
298.90 > 99.00	2.404	2.413	-0.009	1.000	4266		1.33(1.11-3.34)		2.7	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.745	2.737	0.008	1.004	4456	0.002798	Target=12.24		0.7	M
313.00 > 119.00	2.745	2.737	0.008	1.004	644		6.92(6.12-18.36)		1.2	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.733	2.737	-0.004	0.790	1907550	1.31		105	3807	
D 11 18O2 PFHxS										
403.00 > 84.00	3.105	3.110	-0.005	0.897	1376541	1.16		98.2	2256	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.105	3.110	-0.005	1.000	5450	0.004245	Target=3.43		16.3	
399.00 > 99.00	3.116	3.110	0.006	1.004	1444		3.77(1.72-5.15)		1.6	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.105	3.110	-0.005	0.897	1885830	1.25		100	2238	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.105	3.110	-0.005	1.000	2657	0.001709	Target=3.73		0.6	M
363.00 > 169.00	3.083	3.110	-0.027	0.993	511		5.20(1.86-5.59)		1.6	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										
429.00 > 81.00	3.453	3.455	-0.002	0.997	222458	1.12		94.4	538	
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.453	3.455	-0.002	1.000	643	-0.0145			4.8	M
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.453	3.464	-0.011	0.997	2211	0.001318	Target=2.67		0.3	M
413.00 > 169.00	3.453	3.464	-0.011	0.997	1232		1.79(1.34-4.01)		2.7	M
D 14 13C4 PFOA										
417.00 > 372.00	3.462	3.464	-0.002	1.000	1869828	1.21		96.8	1680	M
* 62 13C2 PFOA										
415.00 > 370.00	3.462	3.464	-0.002		2028236	1.25			5589	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.779	3.782	-0.003	1.000	1821	-0.0163	Target=4.88		1.3	M
499.00 > 99.00	3.760	3.782	-0.022	0.995	417		4.37(2.44-7.32)		1.5	M
D 18 13C4 PFOS										
503.00 > 80.00	3.779	3.782	-0.003	1.092	998347	1.13		94.4	2691	
D 19 13C5 PFNA										
468.00 > 423.00	3.799	3.801	-0.002	1.097	1962034	1.22		97.8	3837	
D 23 13C2 PFDA										
515.00 > 470.00	4.103	4.104	-0.001	1.185	1990573	1.27		102	2277	M
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.103	4.104	-0.001	1.000	2010	0.001200	Target=9.67		1.9	M
513.00 > 169.00	4.092	4.104	-0.012	0.997	246		8.17(4.83-14.50)		1.8	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.115	4.115	0.0	1.189	282681	1.18		98.9	1059	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.103	4.115	-0.012	0.997	98	0.000430			2.0	M
D 21 13C8 FOSA										
506.00 > 78.00	4.160	4.161	-0.001	1.202	1416841	1.04		82.9	1454	M
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.172	4.173	-0.001	1.003	896	0.000776			2.8	M
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.249	4.249	0.0	1.227	227308	1.09		86.9	698	M
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.272	4.249	0.023	1.006	243	0.001505			0.7	
D 30 13C2 PFUnA										
565.00 > 520.00	4.375	4.376	-0.001	1.264	1433118	1.21		96.9	1046	M
31 Perfluoroundecanoic acid										RM
563.00 > 519.00	4.386	4.376	0.010	1.003	1113	0.000916	Target=9.07		1.3	RM
563.00 > 169.00	4.375	4.376	-0.001	1.000	313		3.56(4.54-13.61)		6.2	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.386	4.387	-0.001	1.267	223067	1.13		90.1	997	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.386	4.387	-0.001	1.000	216	0.001333			3.7	M
D 36 13C2 PFDoA										
615.00 > 570.00	4.611	4.612	-0.001	1.332	1527615	1.25		99.7	2215	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	4.611	4.612	-0.001	1.000	749	0.000604	Target=6.97	0.2		RM
613.00 > 169.00	4.601	4.612	-0.011	0.998	244		3.07(3.48-10.45)	4.2		M
41 Perfluorotridecanoic acid										RM
663.00 > 619.00	4.836	4.837	-0.001	1.049	1456	0.001355	Target=4.56	0.2		RM
663.00 > 169.00	4.836	4.837	-0.001	1.049	147		9.90(2.28-6.84)	2.4		M
D 43 13C2 PFTeDA										M
715.00 > 670.00	5.031	5.032	-0.001	1.453	1256400	1.25		100	2106	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.041	5.032	0.009	1.002	359	0.002229	Target=0.94	7.6		M
713.00 > 219.00	5.041	5.032	0.009	1.002	459		0.78(0.47-1.41)	8.1		M

QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A23.d

Injection Date: 09-Aug-2022 18:51:11

Instrument ID: LC812

Lims ID: 460-263208-A-5-A

Lab Sample ID: 200-263208-5

Client ID: FB-08032022P

Operator ID: lc812tech

ALS Bottle#: 20

Worklist Smp#: 23

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

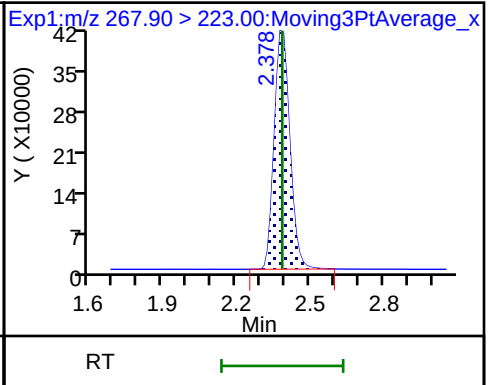
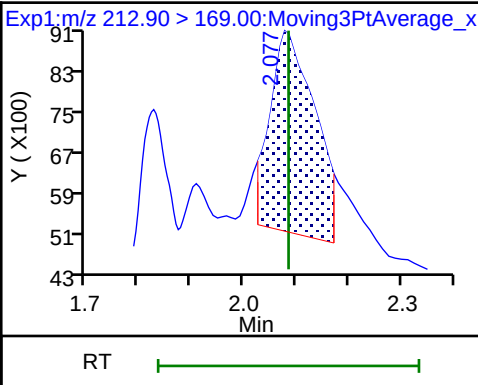
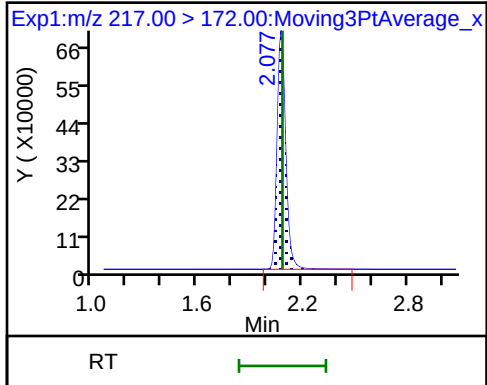
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

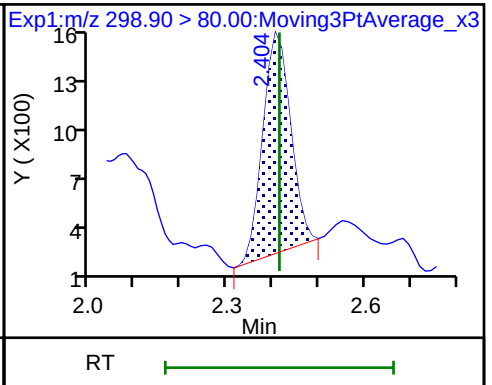
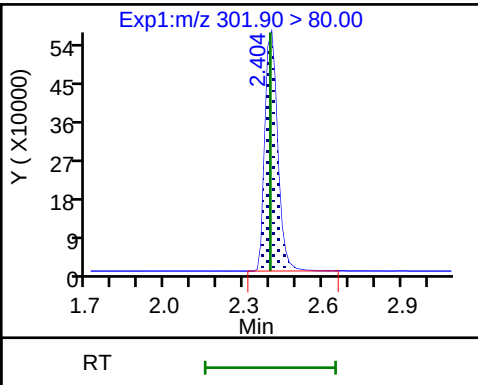
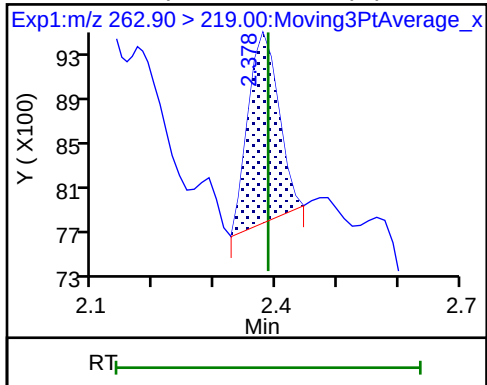
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

D 47 13C3 PFBS

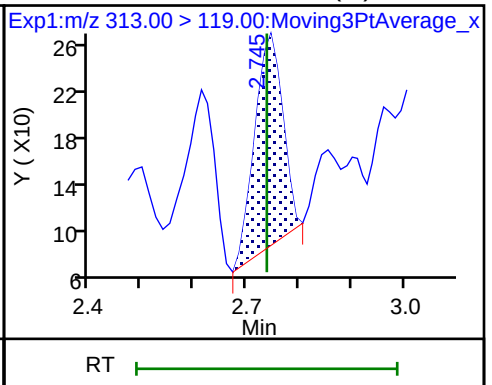
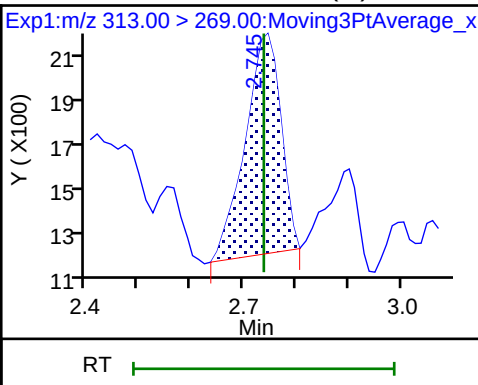
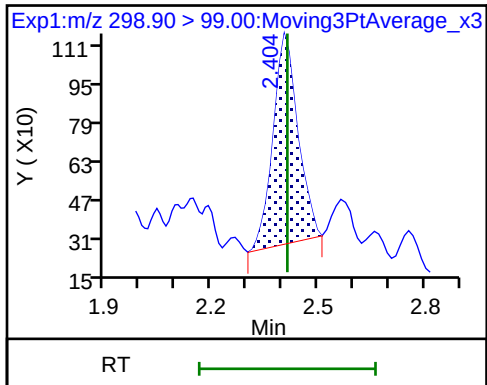
5 Perfluorobutanesulfonic acid



5 Perfluorobutanesulfonic acid

6 Perfluorohexanoic acid (M)

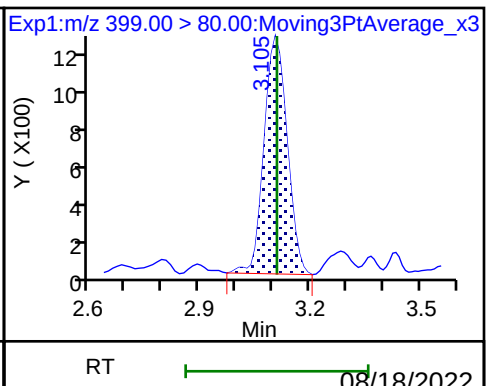
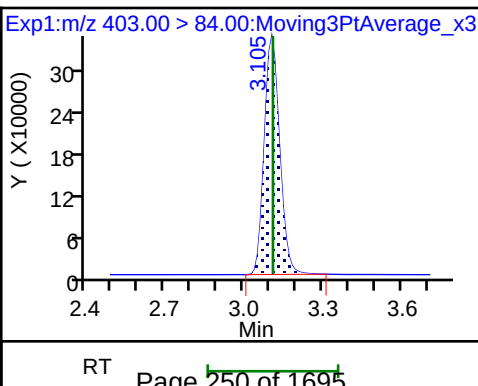
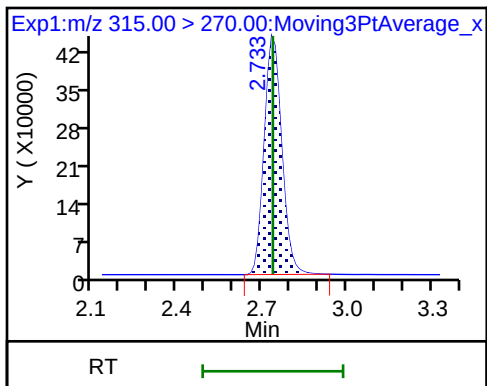
6 Perfluorohexanoic acid (M)

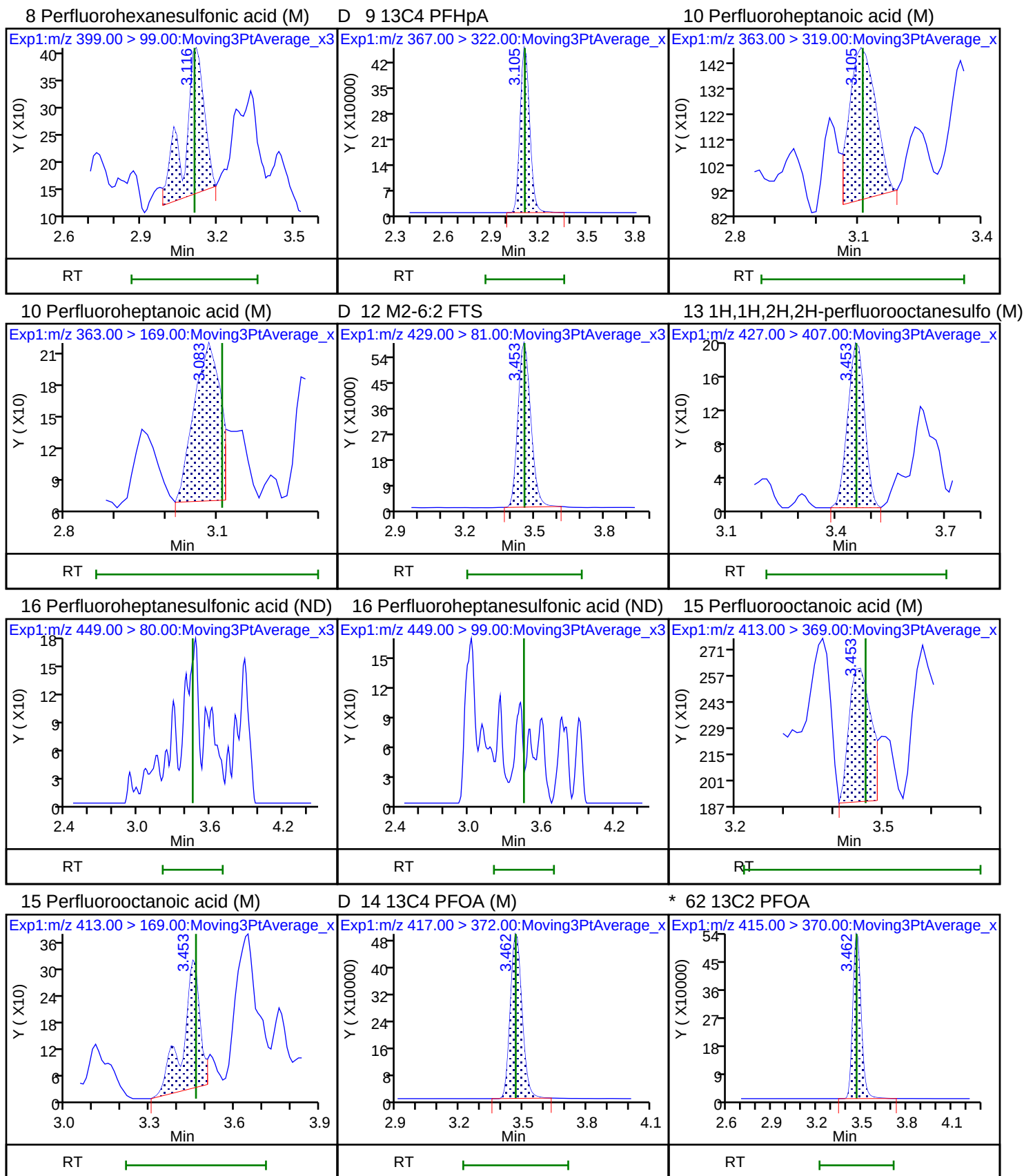


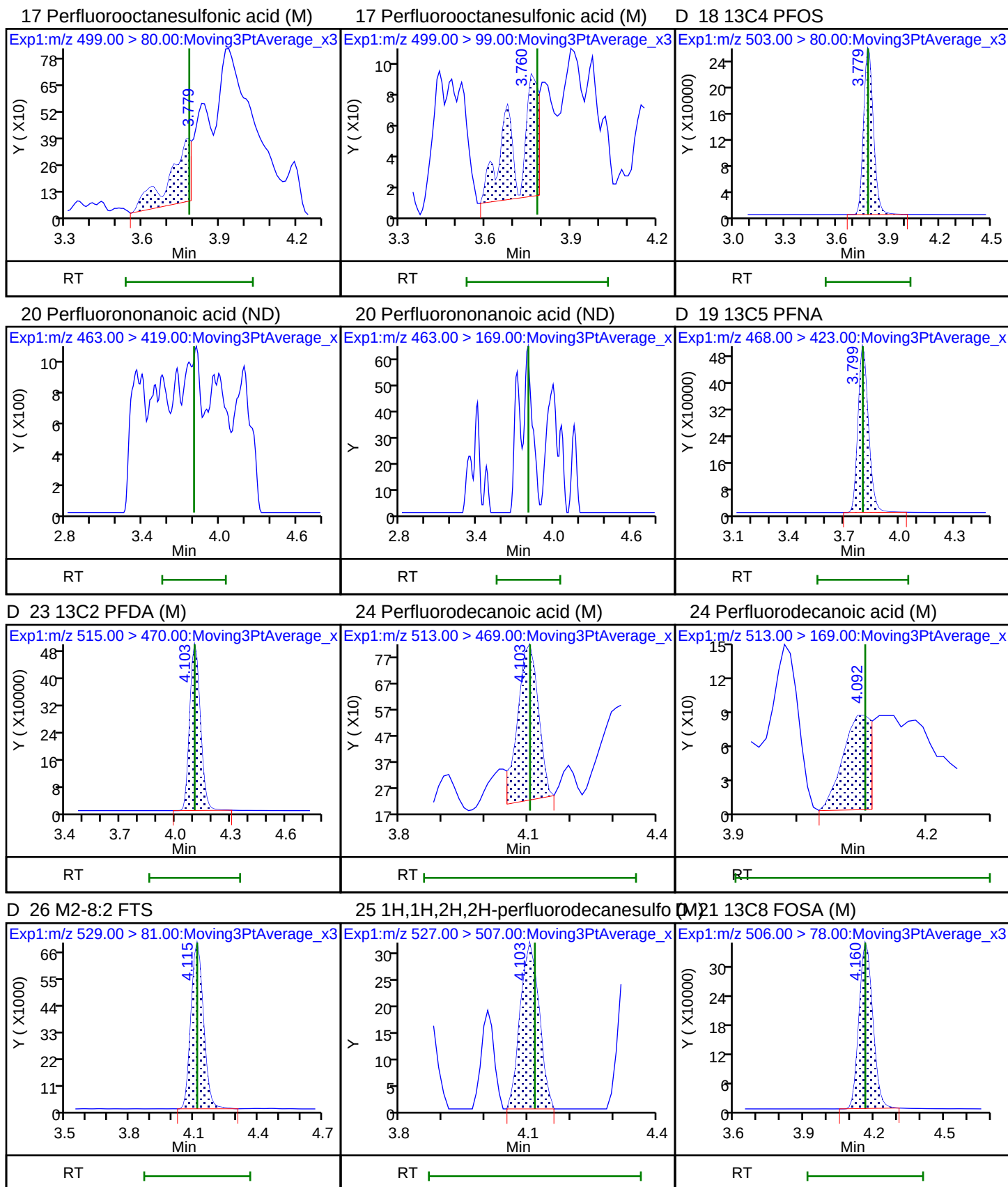
D 7 13C2 PFHxA

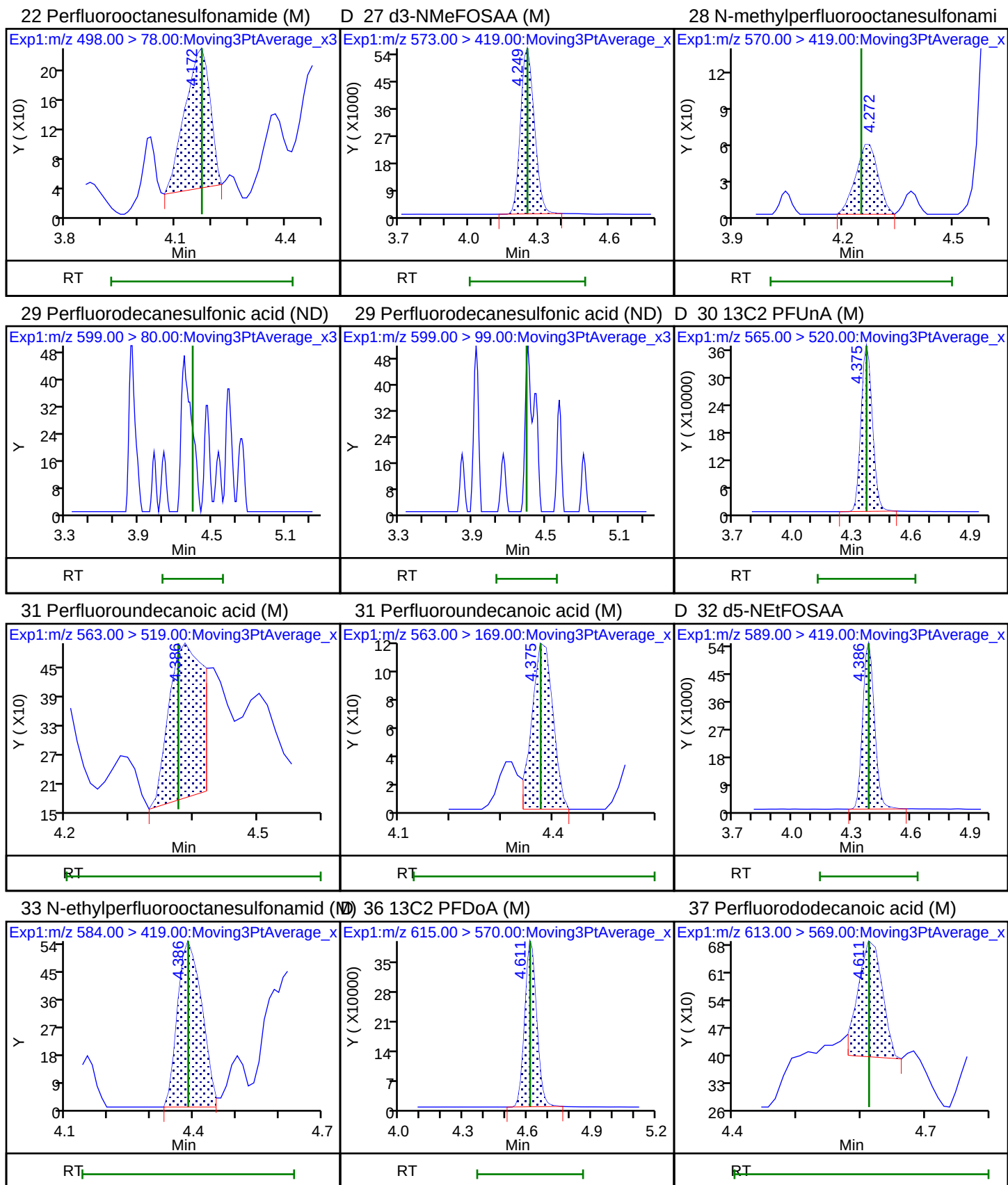
D 11 18O2 PFHxS

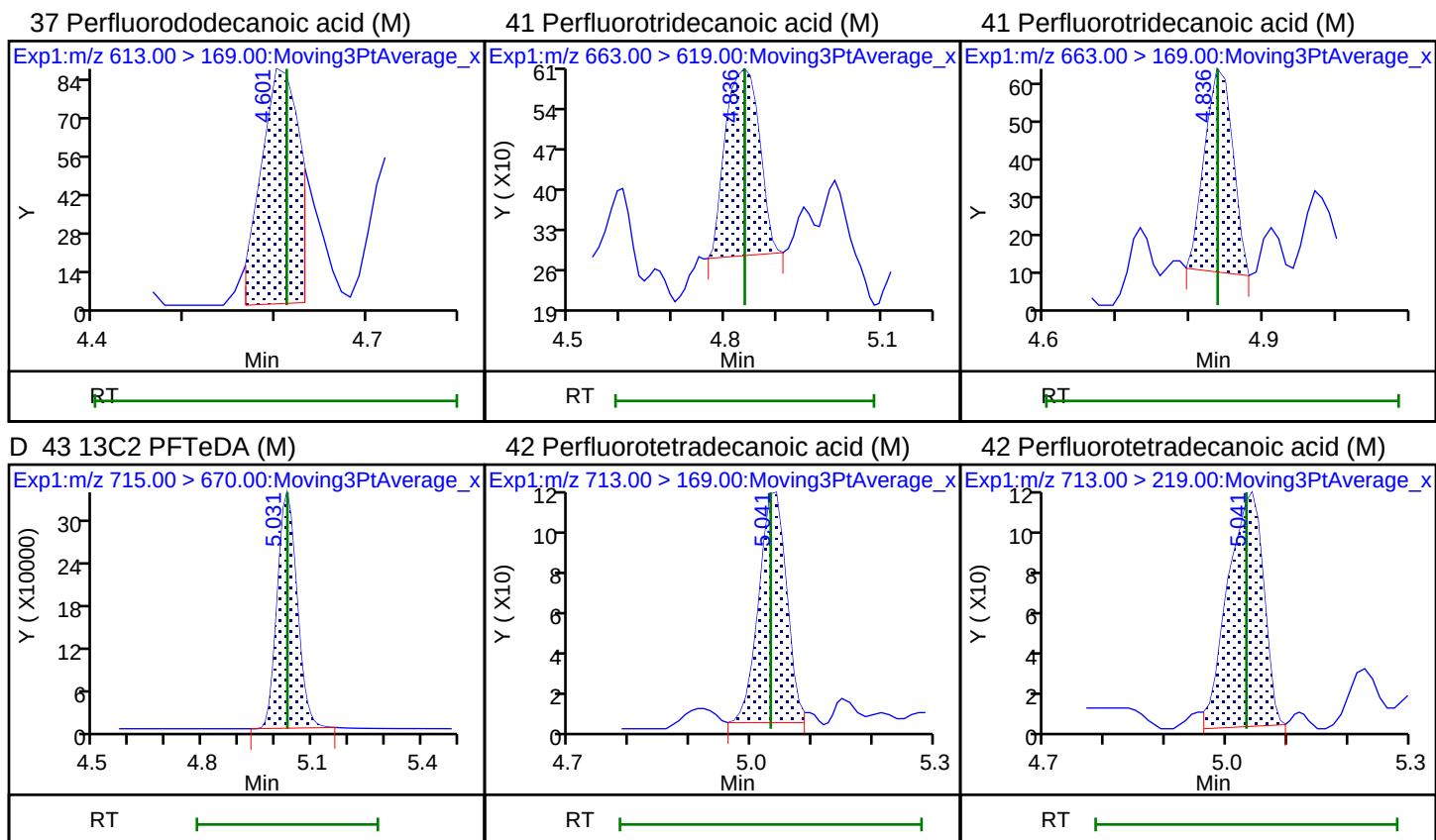
8 Perfluorohexanesulfonic acid











Eurofins Burlington

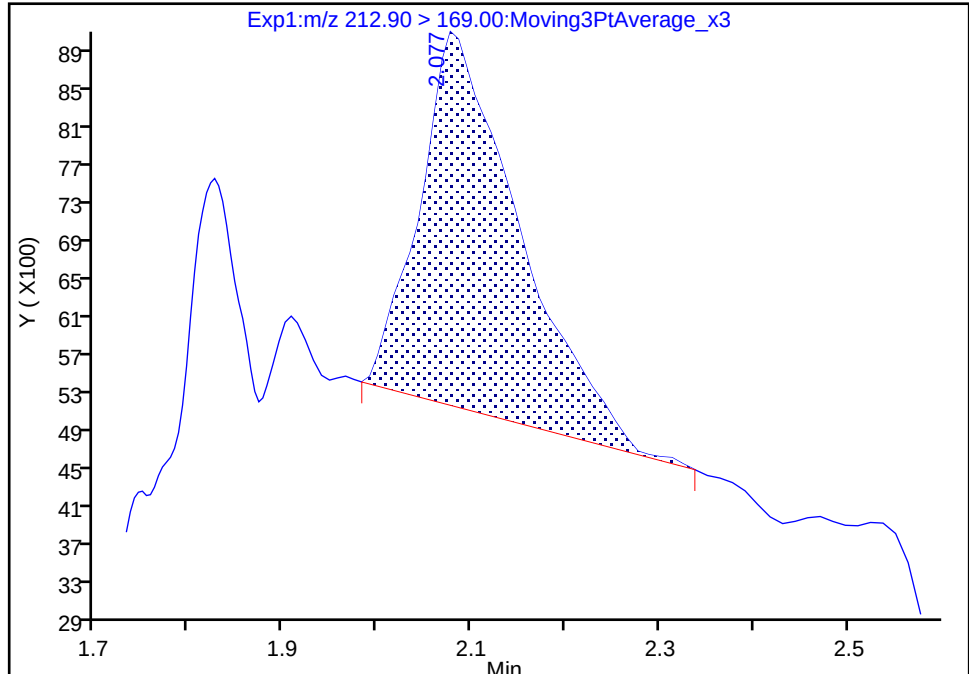
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A23.d
Injection Date: 09-Aug-2022 18:51:11 Instrument ID: LC812
Lims ID: 460-263208-A-5-A Lab Sample ID: 200-263208-5
Client ID: FB-08032022P
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 23
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

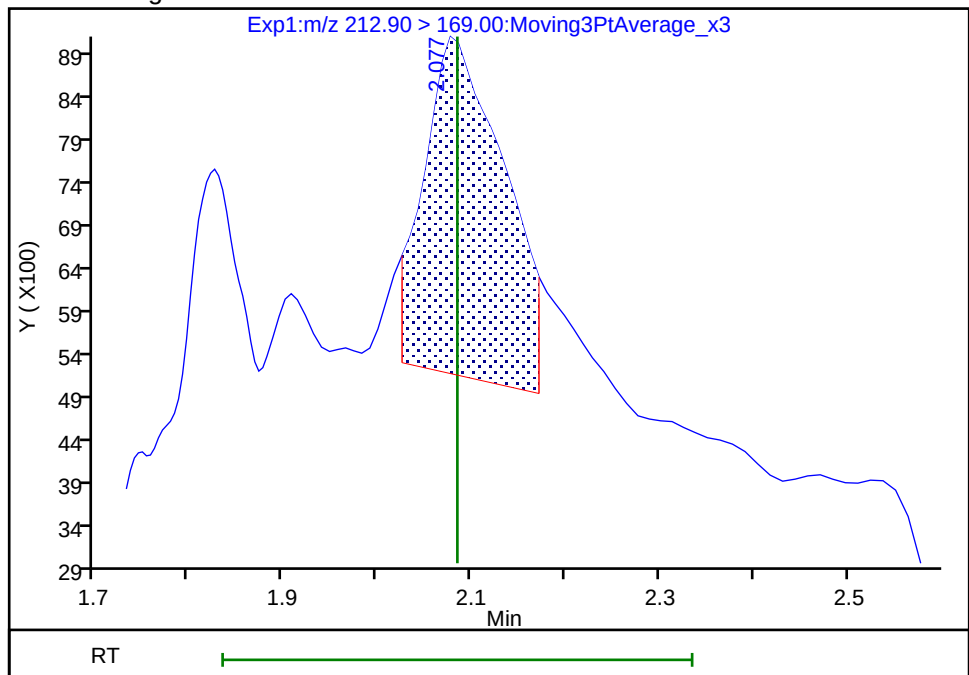
RT: 2.08
Area: 29367
Amount: 0.016247
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 23513
Amount: 0.013008
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 12:00:56

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

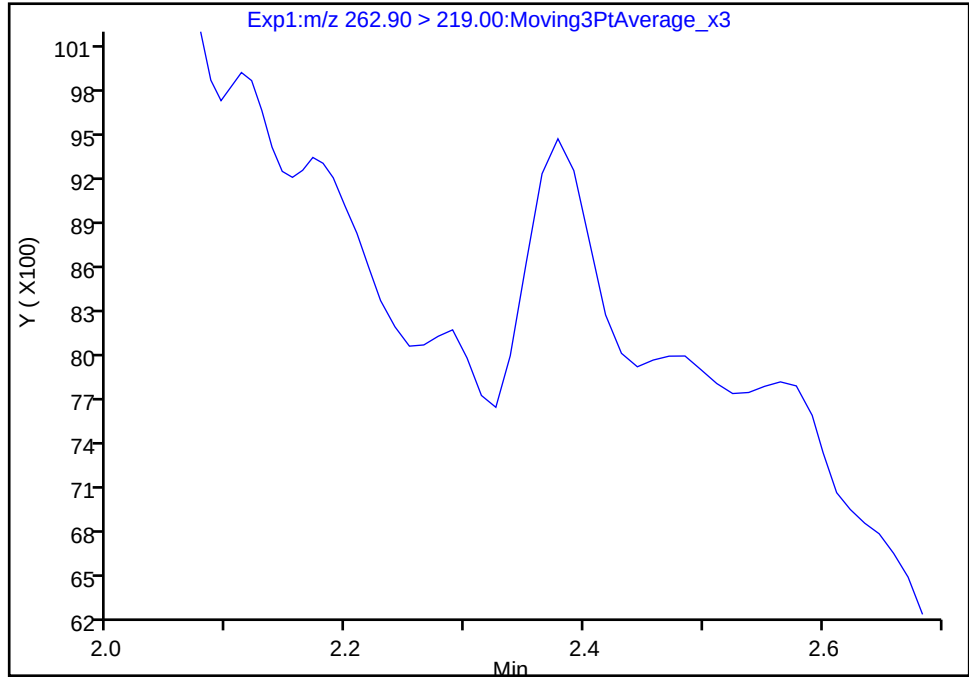
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A23.d
Injection Date: 09-Aug-2022 18:51:11 Instrument ID: LC812
Lims ID: 460-263208-A-5-A Lab Sample ID: 200-263208-5
Client ID: FB-08032022P
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 23
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

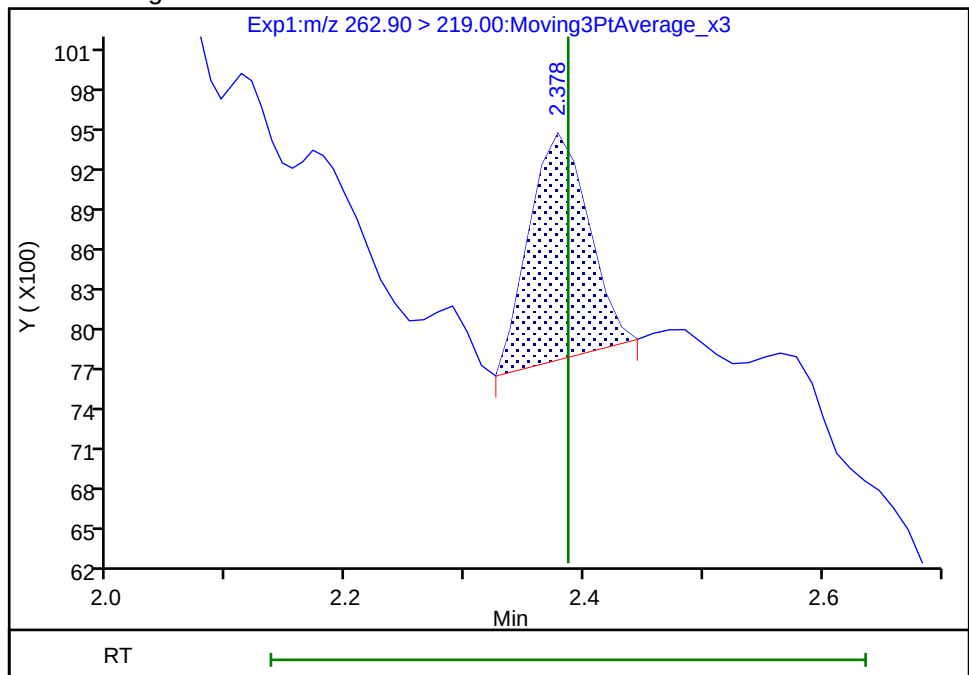
Not Detected
Expected RT: 2.39

Processing Integration Results



Manual Integration Results

RT: 2.38
Area: 5804
Amount: 0.003839
Amount Units: ng/ml



Reviewer: khanphomeea, 10-Aug-2022 12:01:00

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

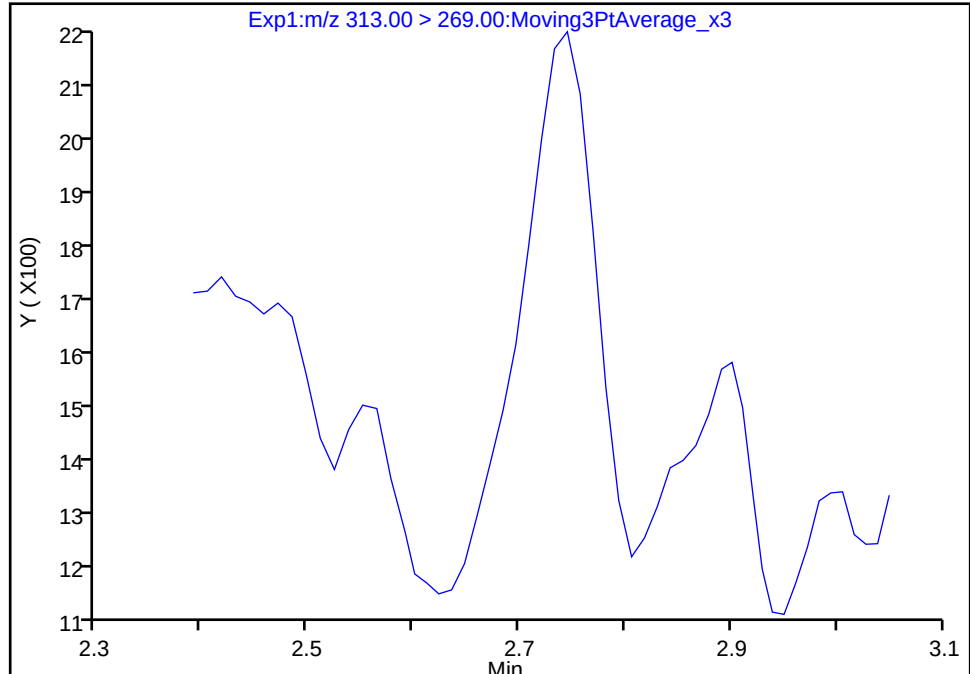
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A23.d
Injection Date: 09-Aug-2022 18:51:11 Instrument ID: LC812
Lims ID: 460-263208-A-5-A Lab Sample ID: 200-263208-5
Client ID: FB-08032022P
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 23
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

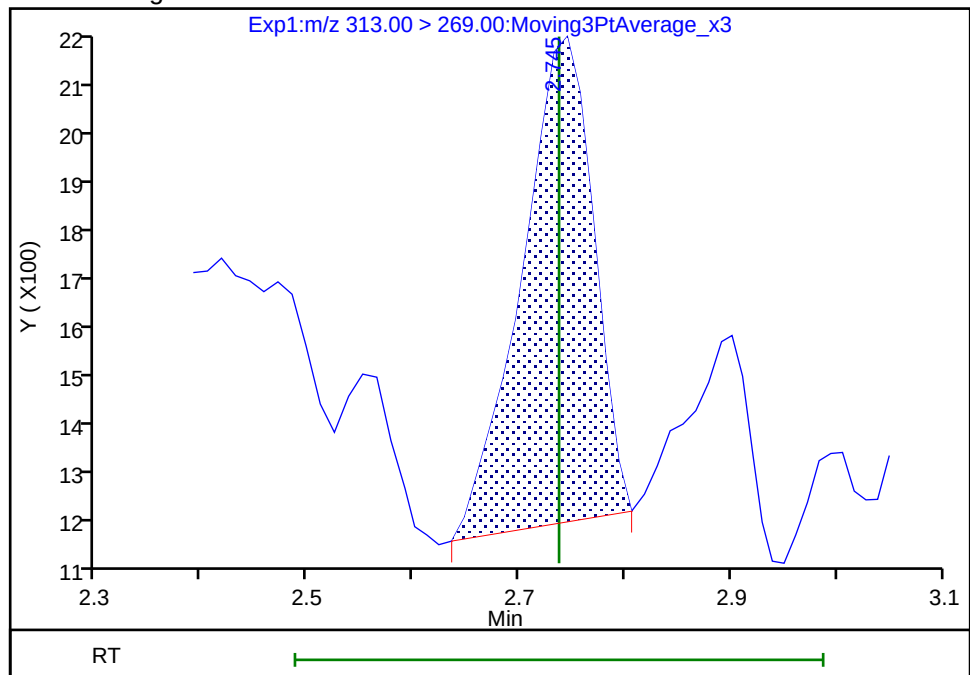
Not Detected
Expected RT: 2.74

Processing Integration Results



RT: 2.75
Area: 4456
Amount: 0.002798
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 12:01:11

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

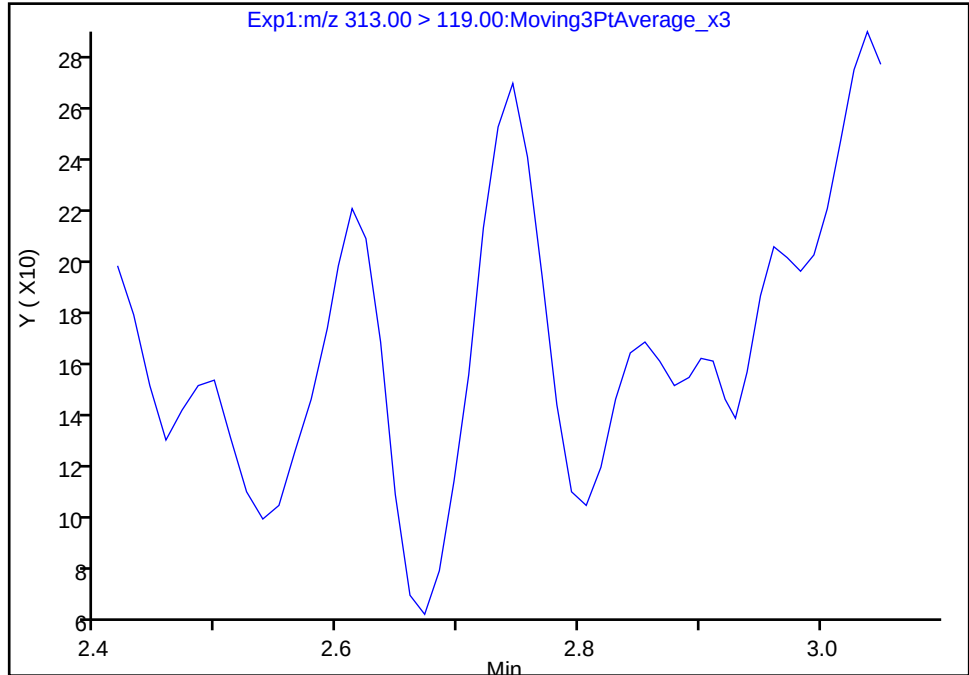
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A23.d
Injection Date: 09-Aug-2022 18:51:11 Instrument ID: LC812
Lims ID: 460-263208-A-5-A Lab Sample ID: 200-263208-5
Client ID: FB-08032022P
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 23
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

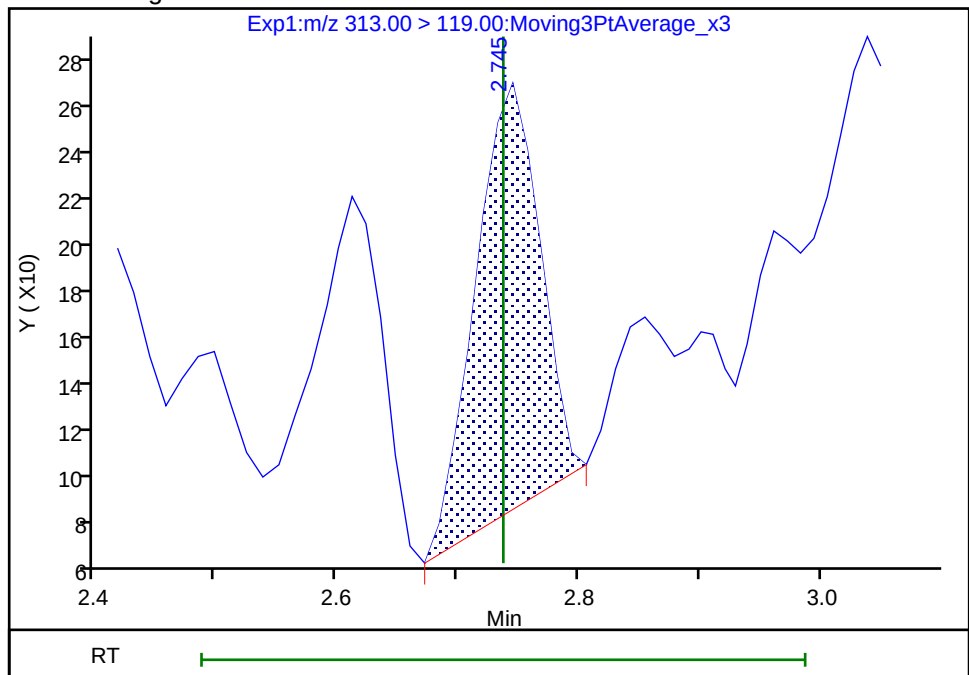
Not Detected
Expected RT: 2.74

Processing Integration Results



Manual Integration Results

RT: 2.75
Area: 644
Amount: 0.002798
Amount Units: ng/ml



Reviewer: khanphomeea, 10-Aug-2022 12:01:13

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

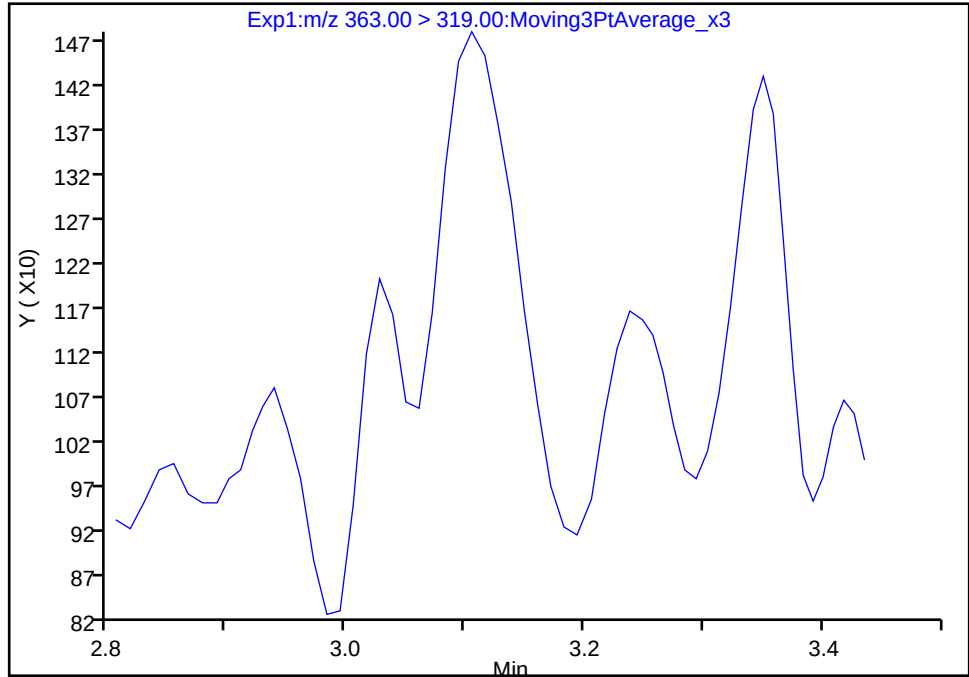
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A23.d
Injection Date: 09-Aug-2022 18:51:11 Instrument ID: LC812
Lims ID: 460-263208-A-5-A Lab Sample ID: 200-263208-5
Client ID: FB-08032022P
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 23
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

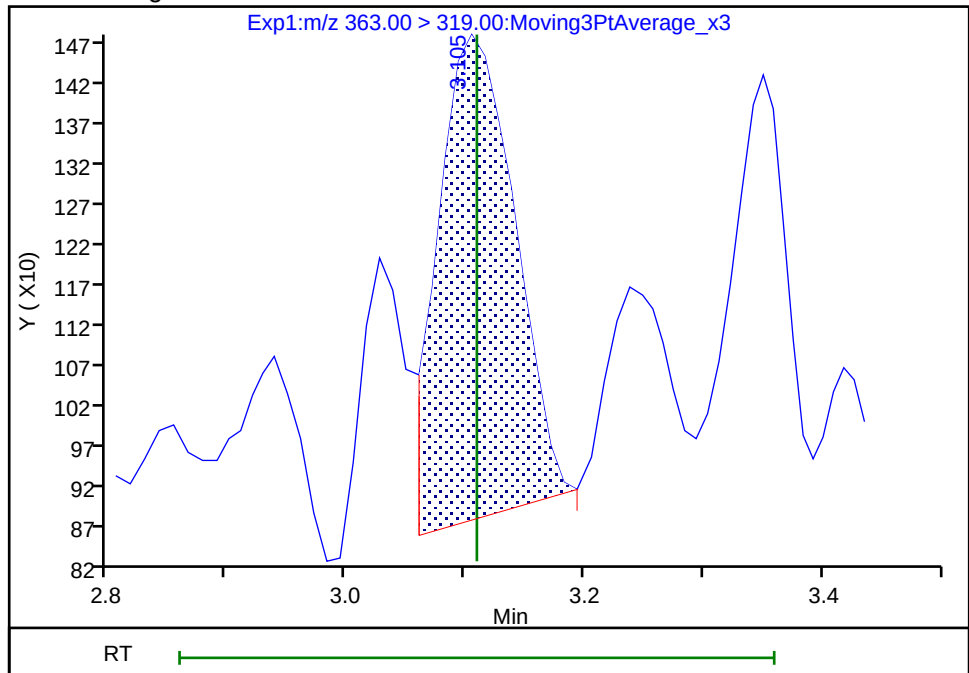
Signal: 1

Not Detected
Expected RT: 3.11

Processing Integration Results



Manual Integration Results



RT: 3.11
Area: 2657
Amount: 0.001709
Amount Units: ng/ml

Reviewer: khanphomeea, 10-Aug-2022 12:02:18

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

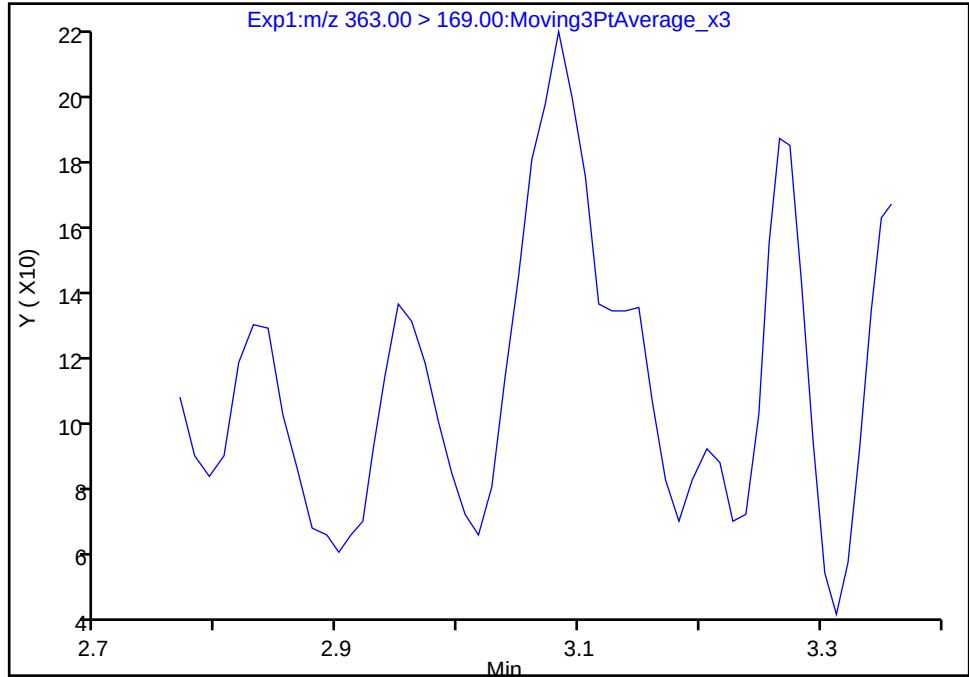
Data File:	\\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A23.d				
Injection Date:	09-Aug-2022 18:51:11	Instrument ID:	LC812		
Lims ID:	460-263208-A-5-A	Lab Sample ID:	200-263208-5		
Client ID:	FB-08032022P				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	23
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

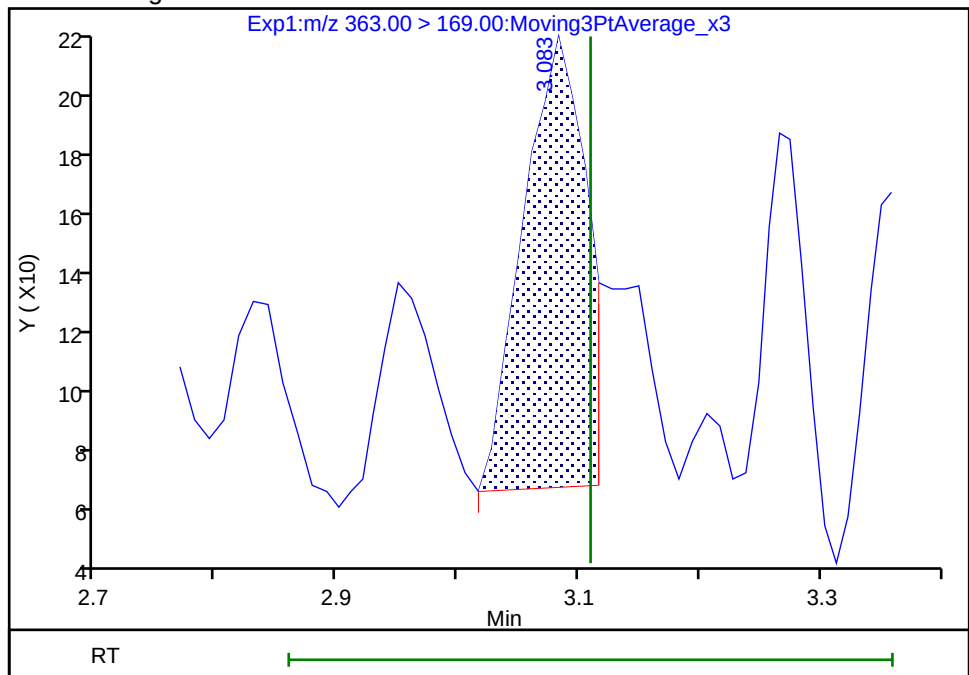
Not Detected
Expected RT: 3.11

Processing Integration Results



Manual Integration Results

RT: 3.08
Area: 511
Amount: 0.001709
Amount Units: ng/ml



Reviewer: khanphomeea, 10-Aug-2022 12:02:19

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

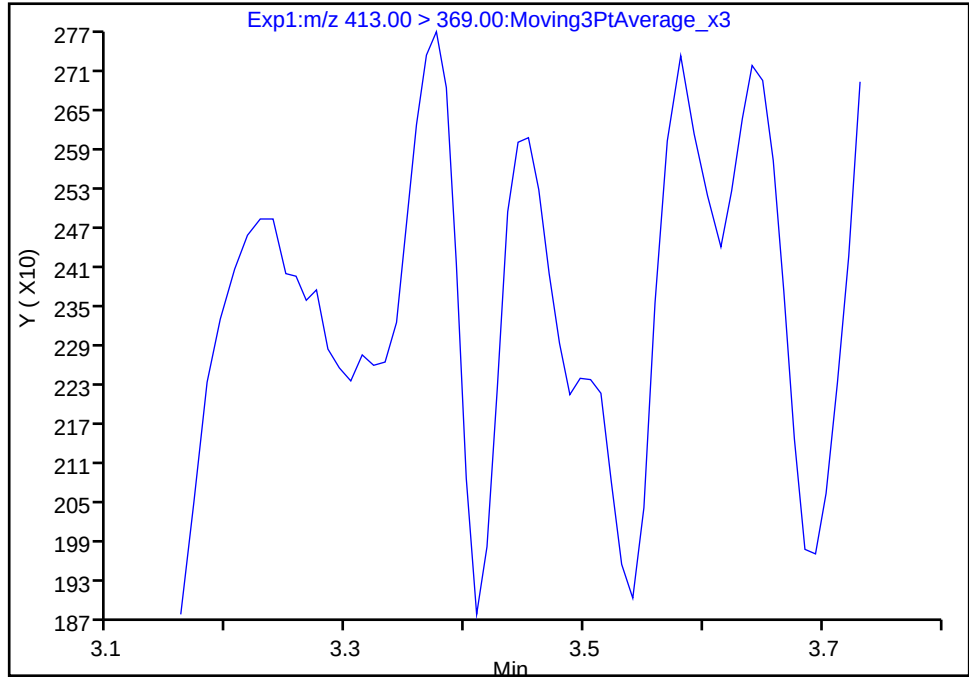
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A23.d
Injection Date: 09-Aug-2022 18:51:11 Instrument ID: LC812
Lims ID: 460-263208-A-5-A Lab Sample ID: 200-263208-5
Client ID: FB-08032022P
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 23
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

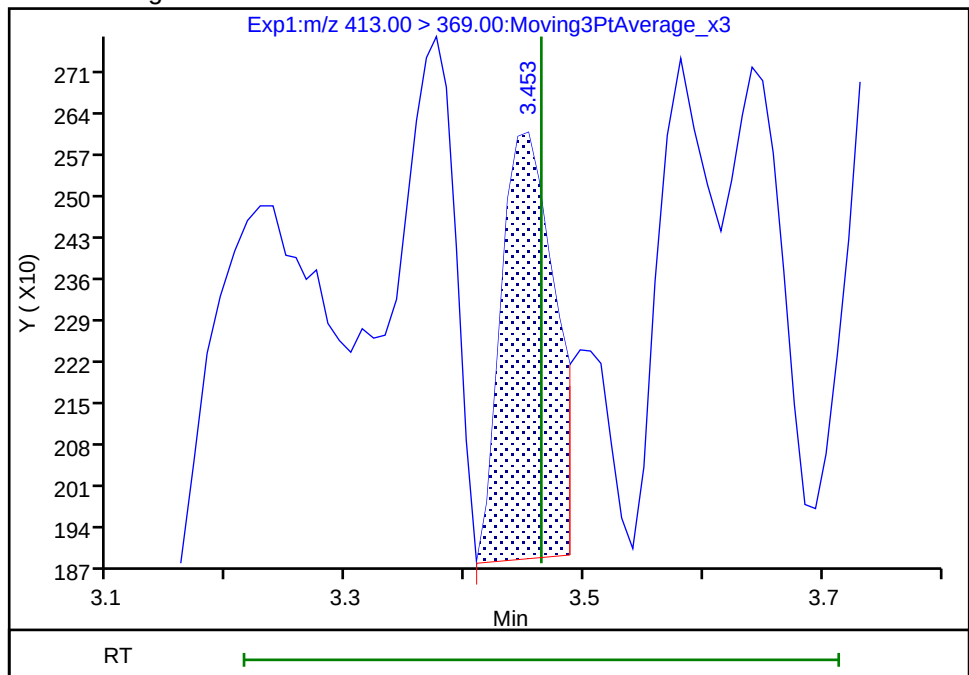
Signal: 1

Not Detected
Expected RT: 3.46

Processing Integration Results



Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 12:02:42

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

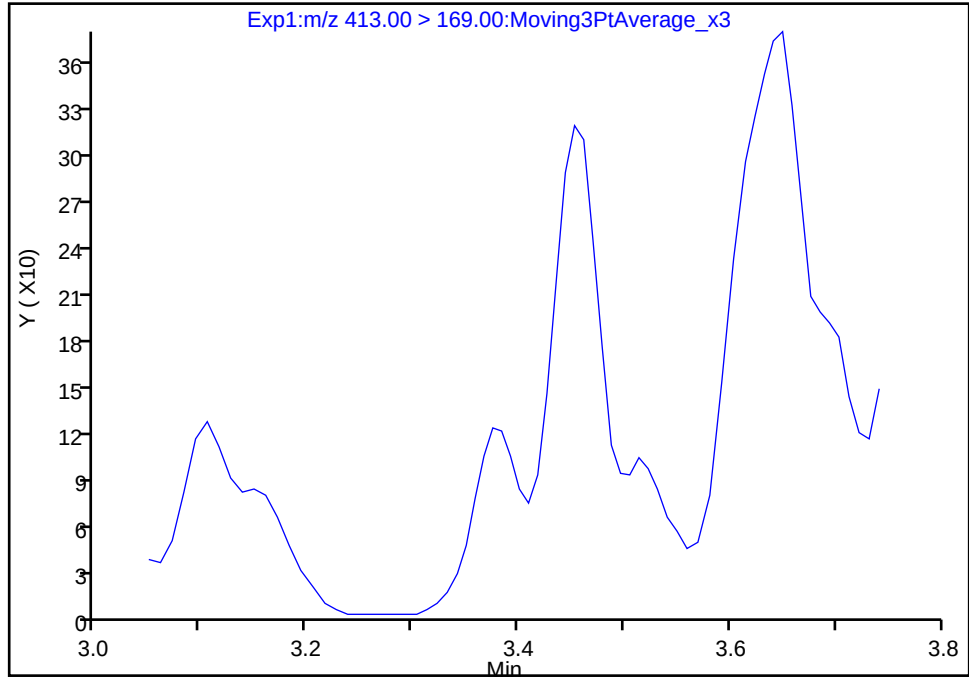
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A23.d
Injection Date: 09-Aug-2022 18:51:11 Instrument ID: LC812
Lims ID: 460-263208-A-5-A Lab Sample ID: 200-263208-5
Client ID: FB-08032022P
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 23
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

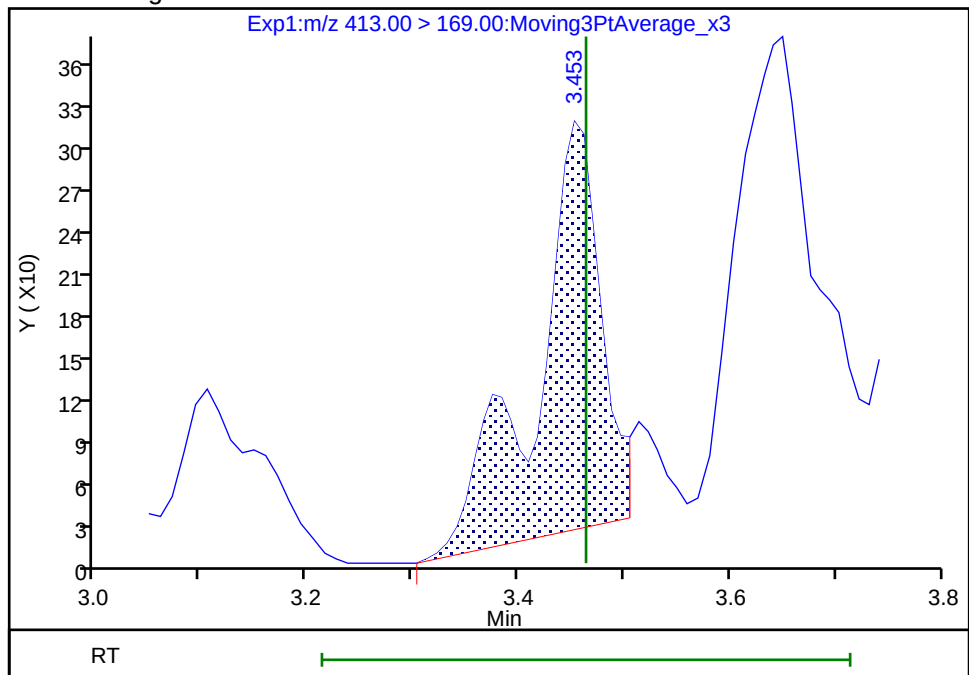
Not Detected
Expected RT: 3.46

Processing Integration Results



Manual Integration Results

RT: 3.45
Area: 1232
Amount: 0.001318
Amount Units: ng/ml



Reviewer: khanphomeea, 10-Aug-2022 12:03:04

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

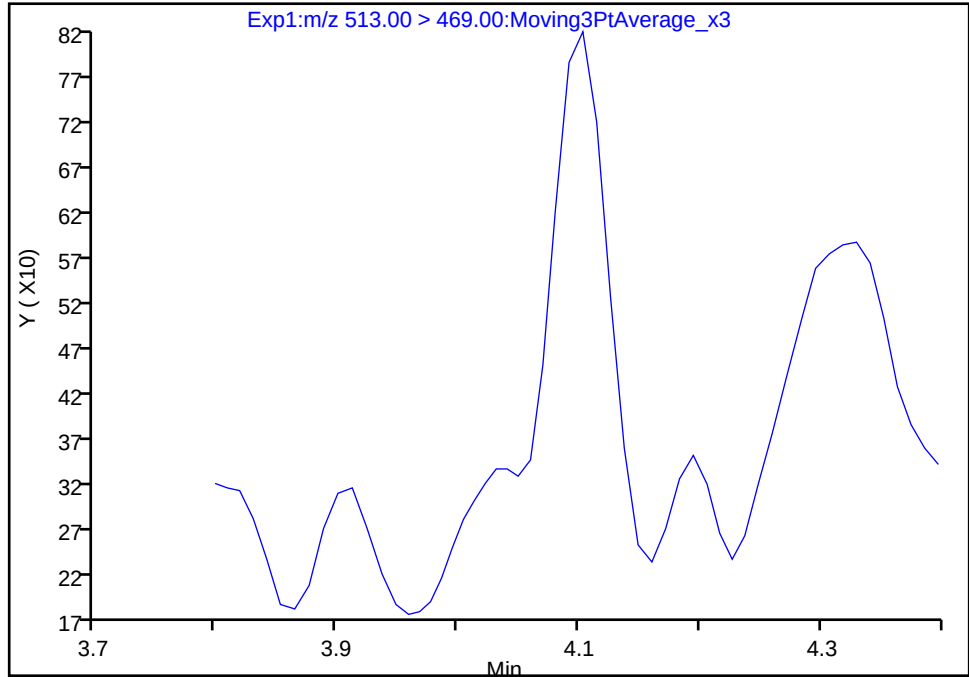
Data File:	\\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A23.d				
Injection Date:	09-Aug-2022 18:51:11	Instrument ID:	LC812		
Lims ID:	460-263208-A-5-A	Lab Sample ID:	200-263208-5		
Client ID:	FB-08032022P				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	23
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

24 Perfluorodecanoic acid, CAS: 335-76-2

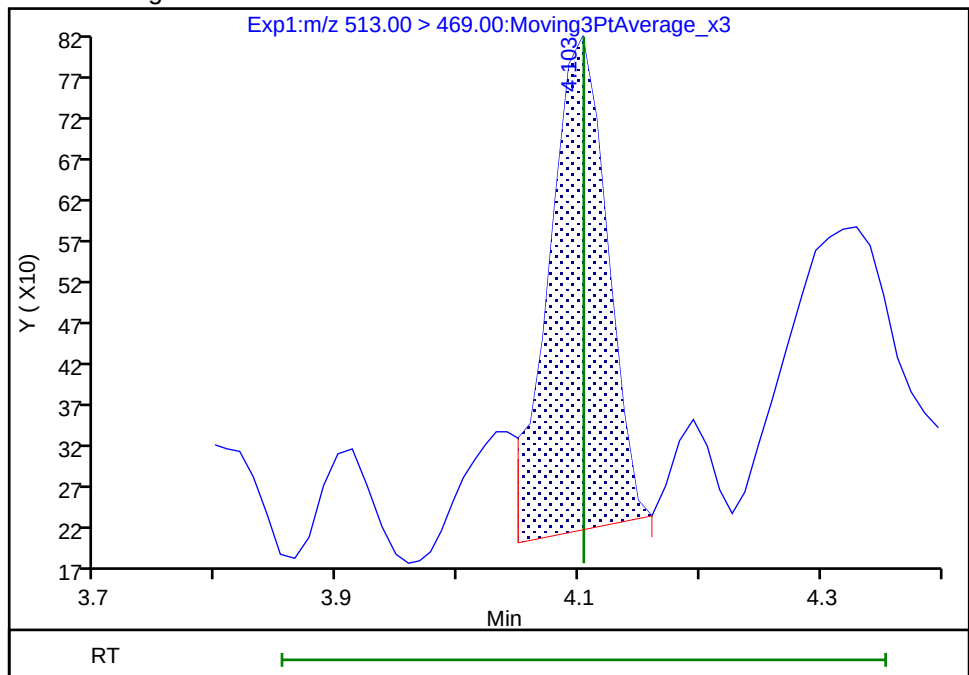
Signal: 1

Not Detected
Expected RT: 4.10

Processing Integration Results



Manual Integration Results



RT: 4.10
Area: 2010
Amount: 0.001200
Amount Units: ng/ml

Reviewer: Z1IP, 10-Aug-2022 09:25:44
Audit Action: Manually Integrated

Audit Reason: Missed Peak

Eurofins Burlington

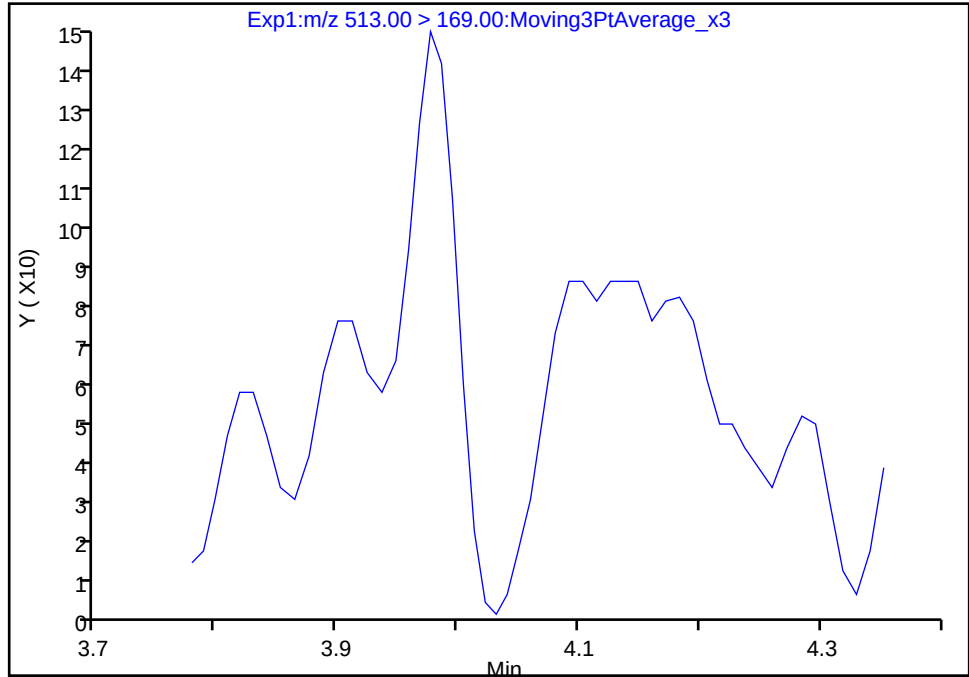
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A23.d
Injection Date: 09-Aug-2022 18:51:11 Instrument ID: LC812
Lims ID: 460-263208-A-5-A Lab Sample ID: 200-263208-5
Client ID: FB-08032022P
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 23
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

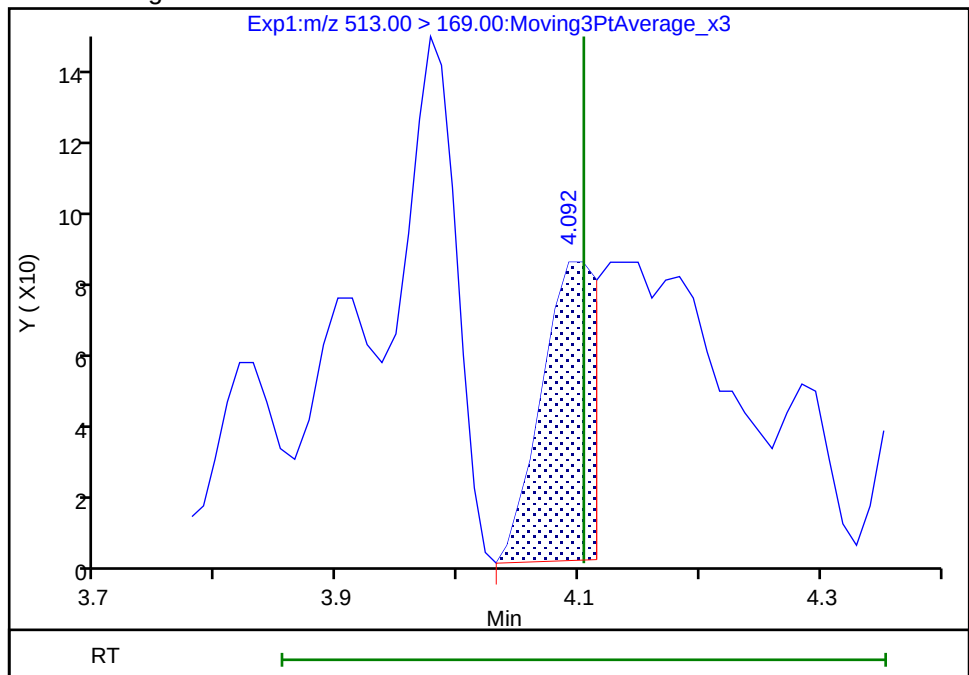
Not Detected
Expected RT: 4.10

Processing Integration Results



Manual Integration Results

RT: 4.09
Area: 246
Amount: 0.001200
Amount Units: ng/ml



Reviewer: Z1IP, 10-Aug-2022 09:25:46

Audit Action: Manually Integrated

Audit Reason: Missed Peak

Eurofins Burlington

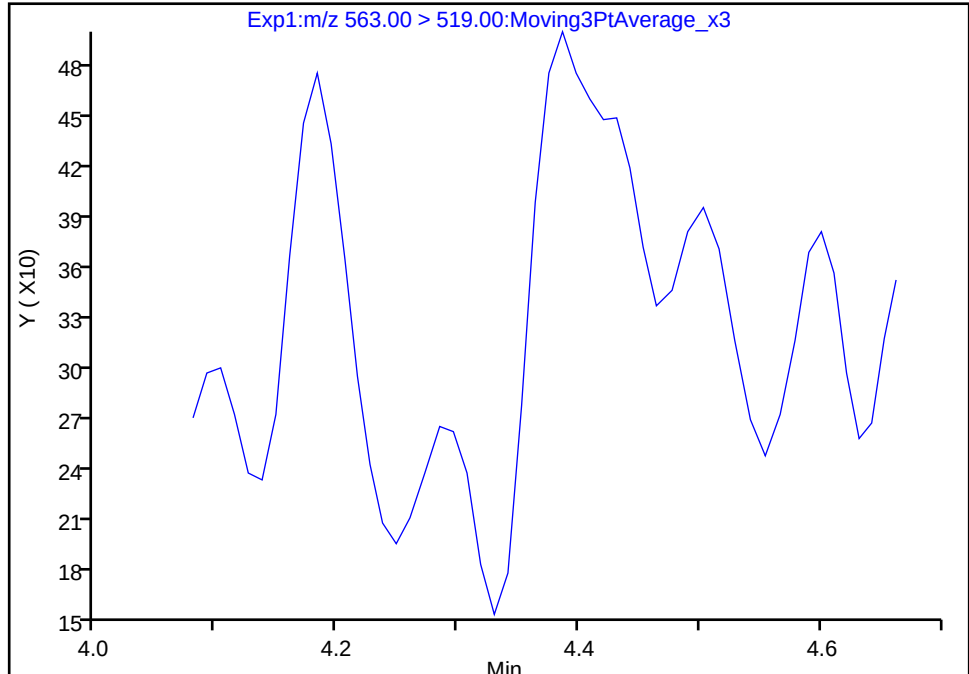
Data File:	\\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A23.d				
Injection Date:	09-Aug-2022 18:51:11	Instrument ID:	LC812		
Lims ID:	460-263208-A-5-A	Lab Sample ID:	200-263208-5		
Client ID:	FB-08032022P				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	23
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

31 Perfluoroundecanoic acid, CAS: 2058-94-8

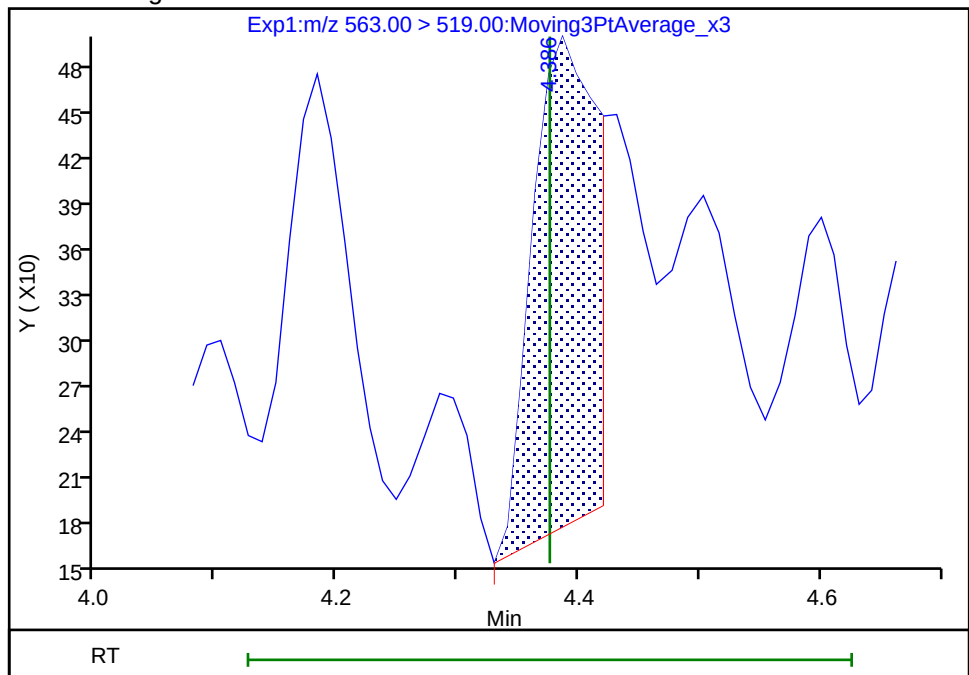
Signal: 1

Not Detected
Expected RT: 4.38

Processing Integration Results



Manual Integration Results



RT: 4.39
Area: 1113
Amount: 0.000916
Amount Units: ng/ml

Reviewer: khanphomeea, 10-Aug-2022 12:04:10

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

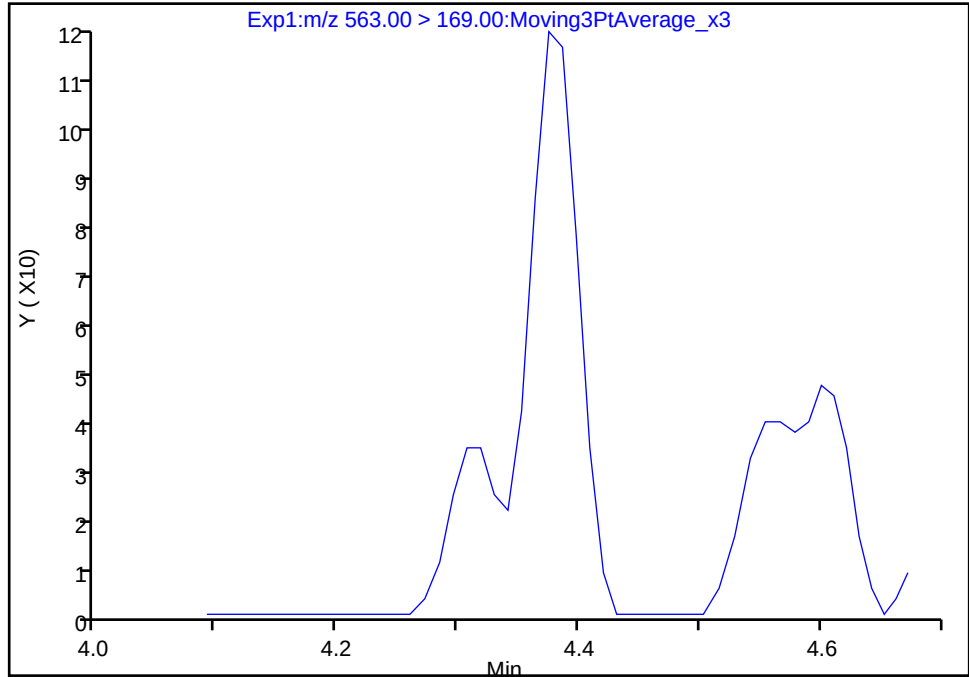
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A23.d
Injection Date: 09-Aug-2022 18:51:11 Instrument ID: LC812
Lims ID: 460-263208-A-5-A Lab Sample ID: 200-263208-5
Client ID: FB-08032022P
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 23
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

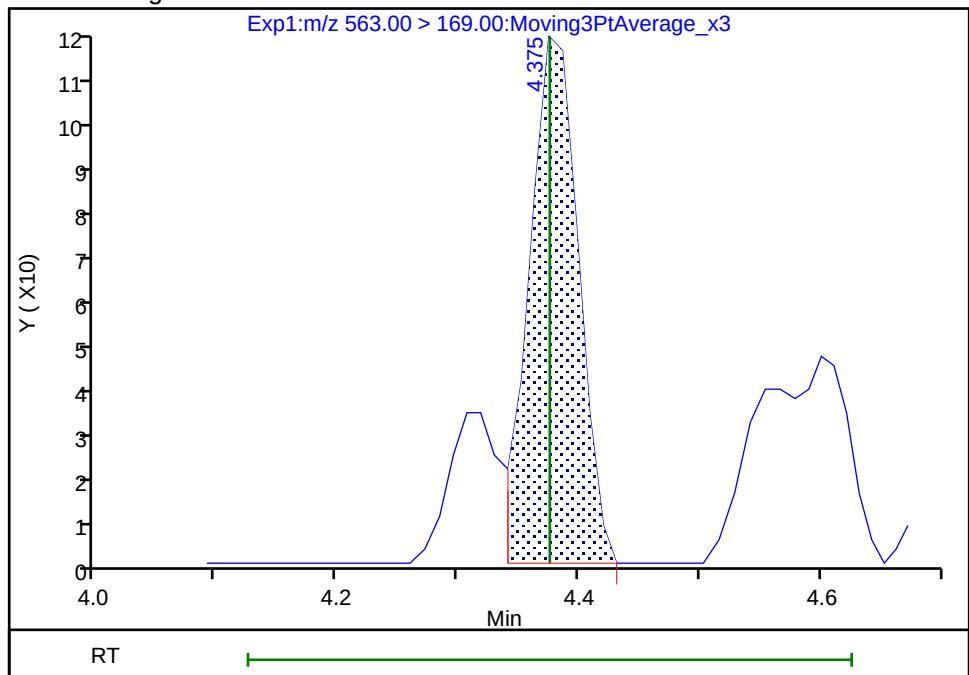
Not Detected
Expected RT: 4.38

Processing Integration Results



Manual Integration Results

RT: 4.38
Area: 313
Amount: 0.000916
Amount Units: ng/ml



Reviewer: khanphomeea, 10-Aug-2022 12:04:11

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

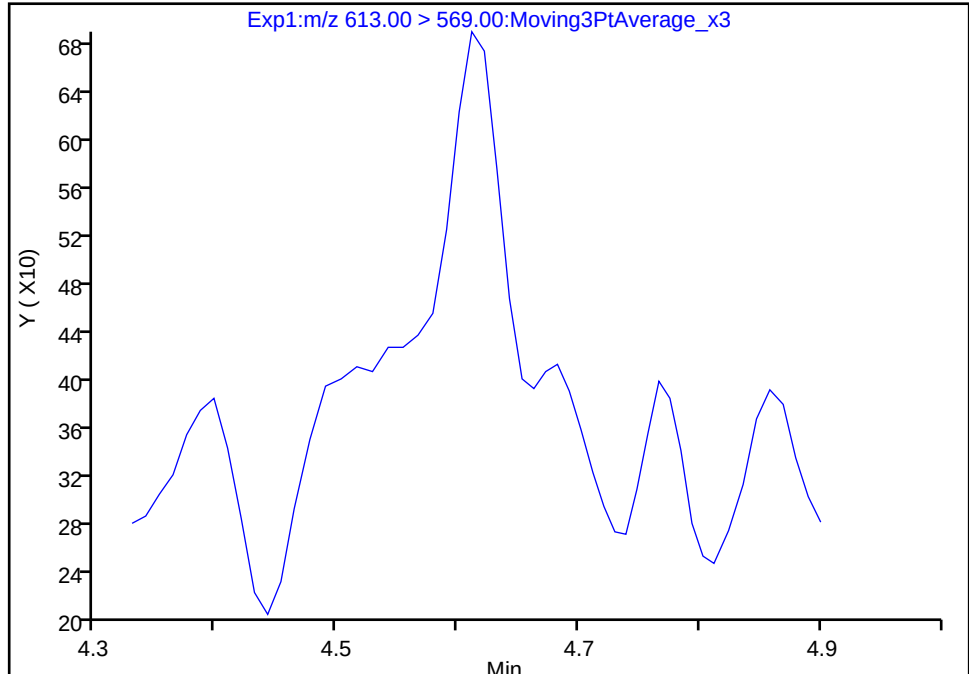
Data File:	\\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A23.d				
Injection Date:	09-Aug-2022 18:51:11	Instrument ID:	LC812		
Lims ID:	460-263208-A-5-A	Lab Sample ID:	200-263208-5		
Client ID:	FB-08032022P				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	23
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

37 Perfluorododecanoic acid, CAS: 307-55-1

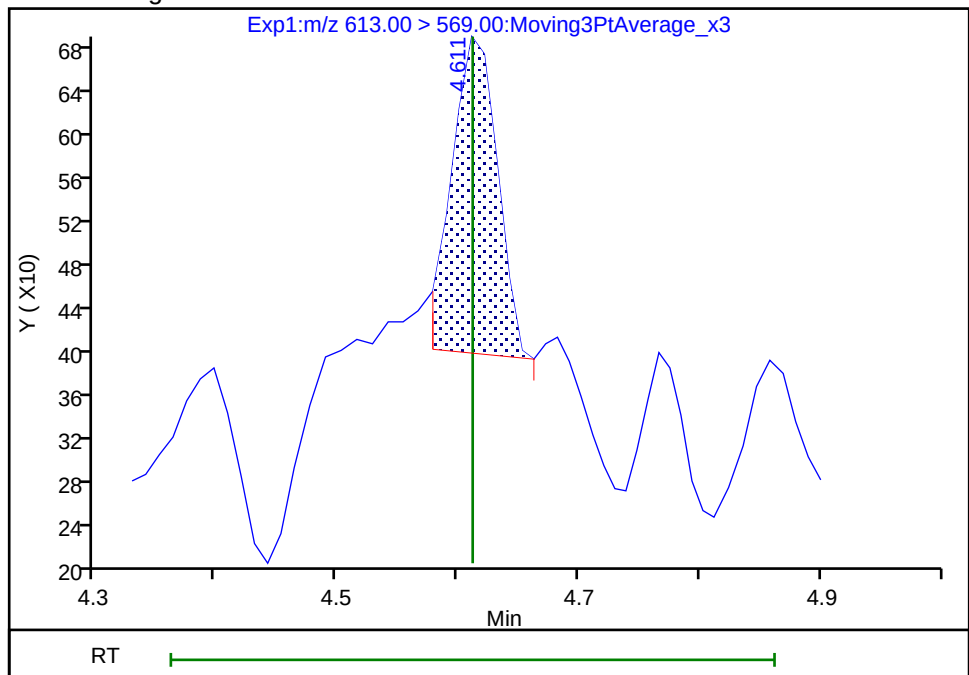
Signal: 1

Not Detected
Expected RT: 4.61

Processing Integration Results



Manual Integration Results



RT: 4.61
Area: 749
Amount: 0.000604
Amount Units: ng/ml

Reviewer: Z1IP, 10-Aug-2022 09:26:34
Audit Action: Manually Integrated

Audit Reason: Missed Peak

Eurofins Burlington

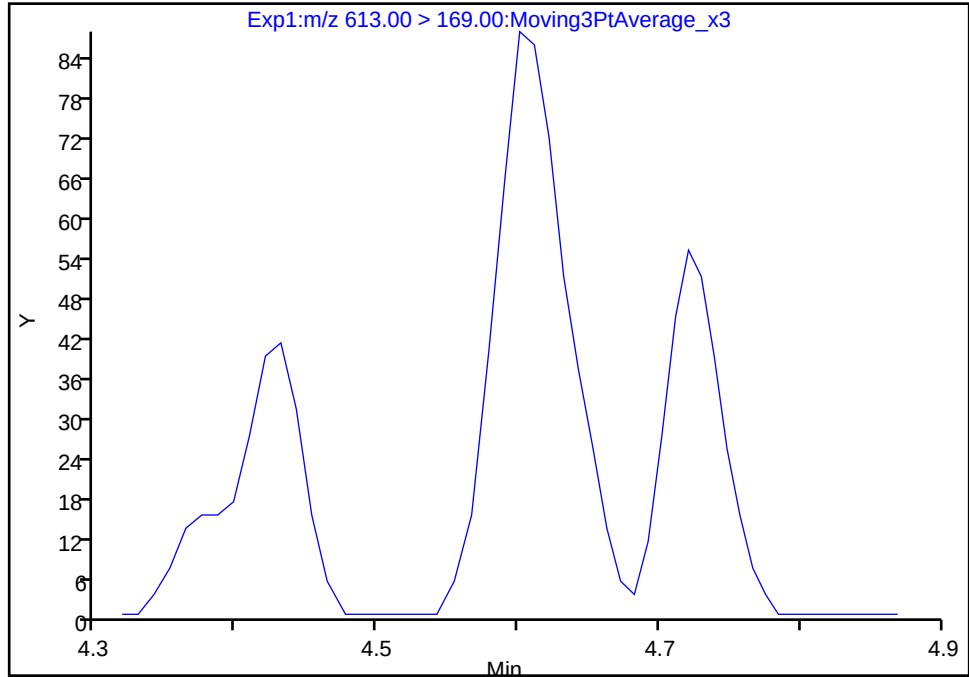
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A23.d
Injection Date: 09-Aug-2022 18:51:11 Instrument ID: LC812
Lims ID: 460-263208-A-5-A Lab Sample ID: 200-263208-5
Client ID: FB-08032022P
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 23
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

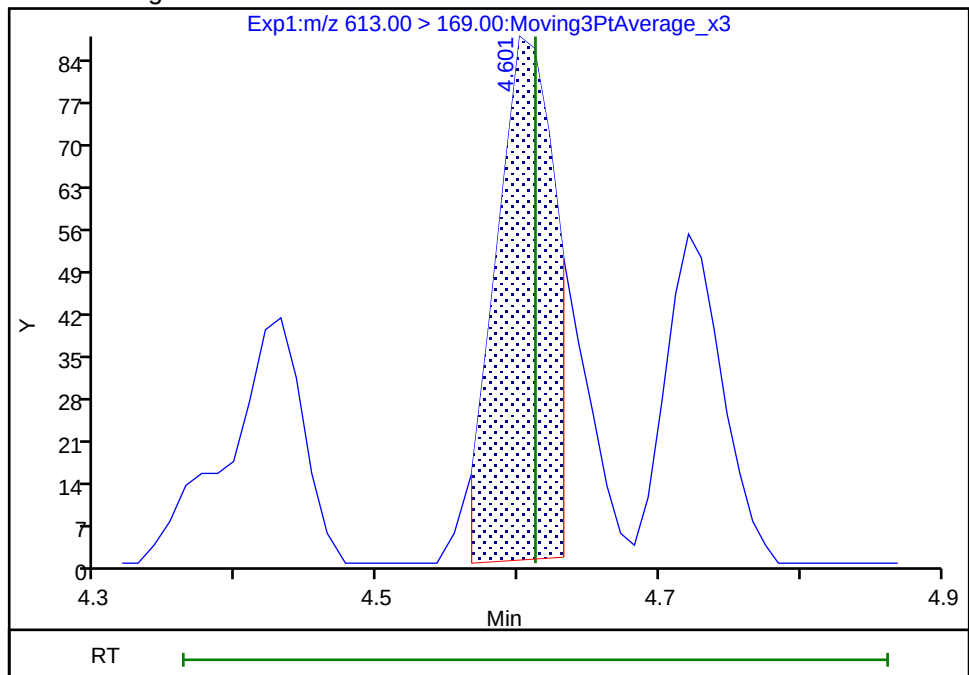
Not Detected
Expected RT: 4.61

Processing Integration Results



Manual Integration Results

RT: 4.60
Area: 244
Amount: 0.000604
Amount Units: ng/ml



Reviewer: Z1IP, 10-Aug-2022 09:26:40

Audit Action: Manually Integrated

Audit Reason: Missed Peak

Page 268 of 1695

08/18/2022

Eurofins Burlington

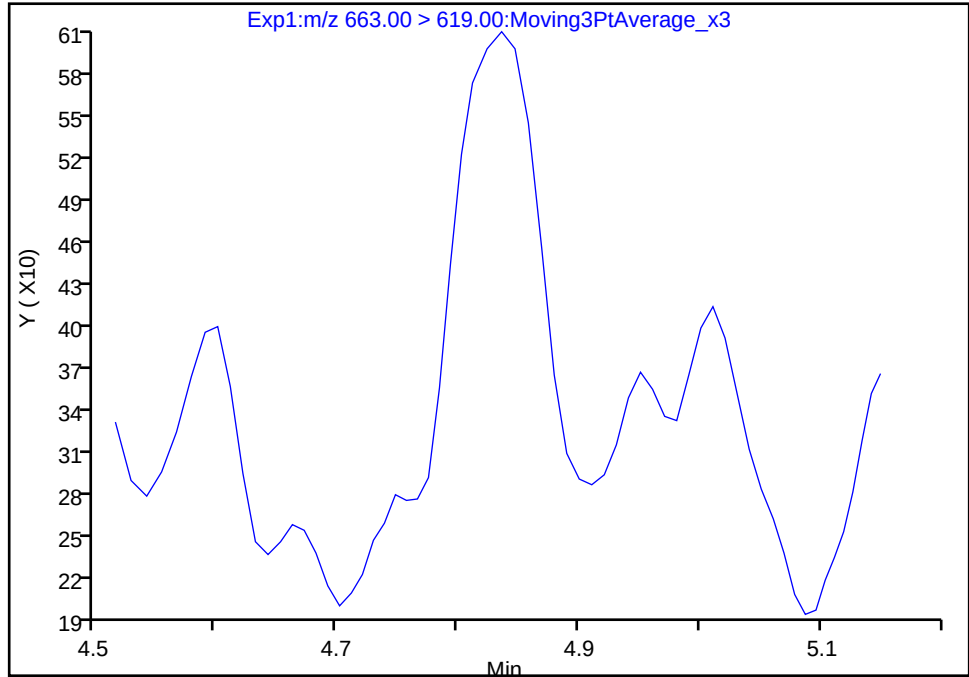
Data File:	\\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A23.d				
Injection Date:	09-Aug-2022 18:51:11	Instrument ID:	LC812		
Lims ID:	460-263208-A-5-A	Lab Sample ID:	200-263208-5		
Client ID:	FB-08032022P				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	23
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

41 Perfluorotridecanoic acid, CAS: 72629-94-8

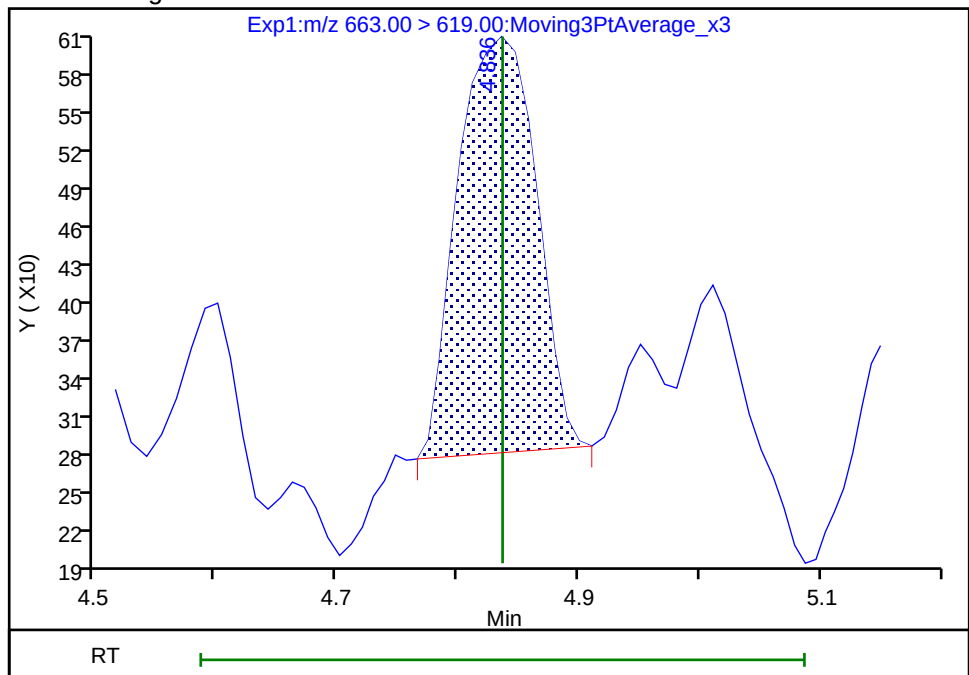
Signal: 1

Not Detected
Expected RT: 4.84

Processing Integration Results



Manual Integration Results



RT: 4.84
Area: 1456
Amount: 0.001355
Amount Units: ng/ml

Reviewer: Z1IP, 10-Aug-2022 09:26:48
Audit Action: Manually Integrated

Audit Reason: Missed Peak

Eurofins Burlington

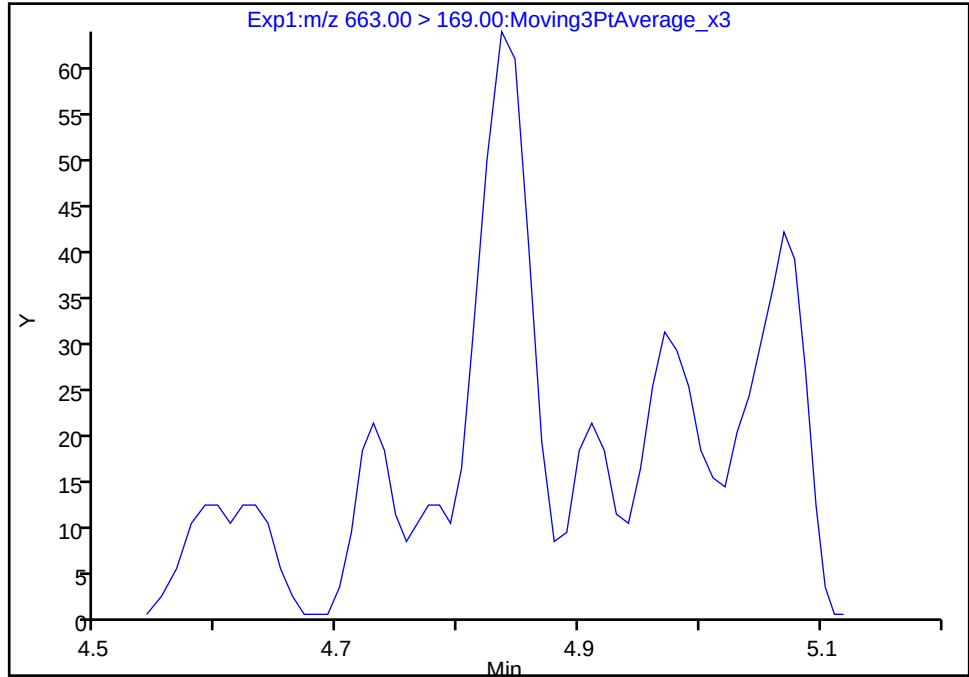
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A23.d
Injection Date: 09-Aug-2022 18:51:11 Instrument ID: LC812
Lims ID: 460-263208-A-5-A Lab Sample ID: 200-263208-5
Client ID: FB-08032022P
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 23
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

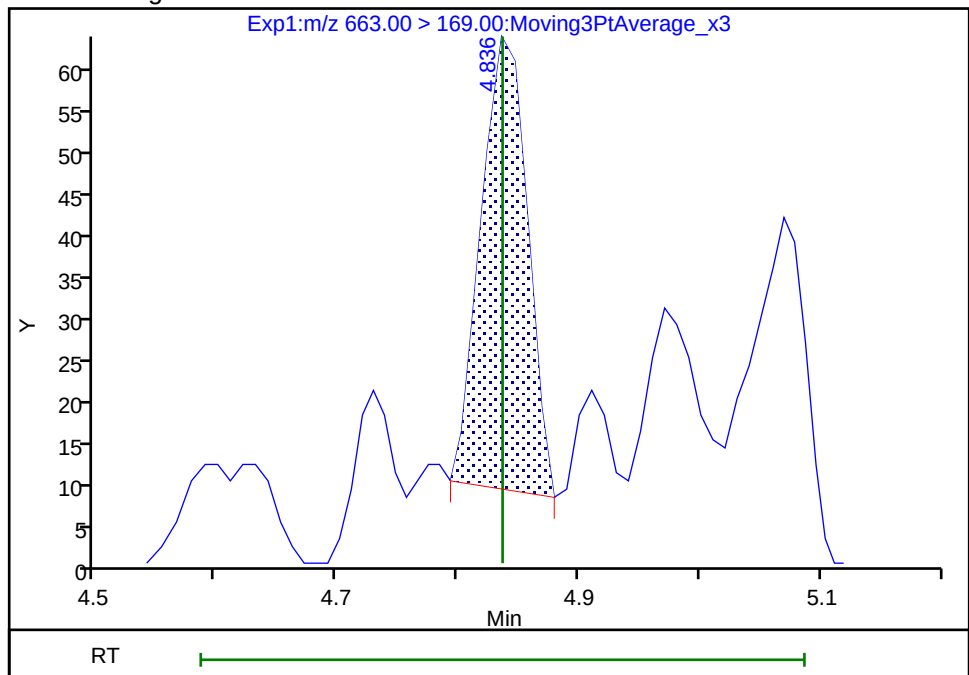
Not Detected
Expected RT: 4.84

Processing Integration Results



Manual Integration Results

RT: 4.84
Area: 147
Amount: 0.001355
Amount Units: ng/ml



Reviewer: Z1IP, 10-Aug-2022 09:26:52

Audit Action: Manually Integrated

Audit Reason: Missed Peak

Eurofins Burlington

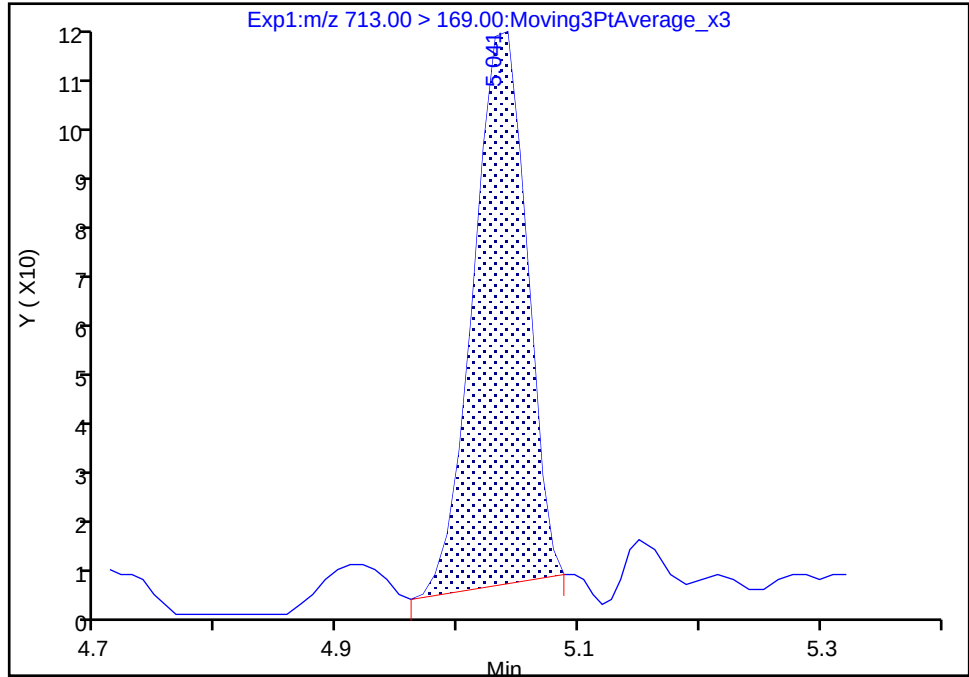
Data File:	\\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A23.d				
Injection Date:	09-Aug-2022 18:51:11	Instrument ID:	LC812		
Lims ID:	460-263208-A-5-A	Lab Sample ID:	200-263208-5		
Client ID:	FB-08032022P				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	23
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

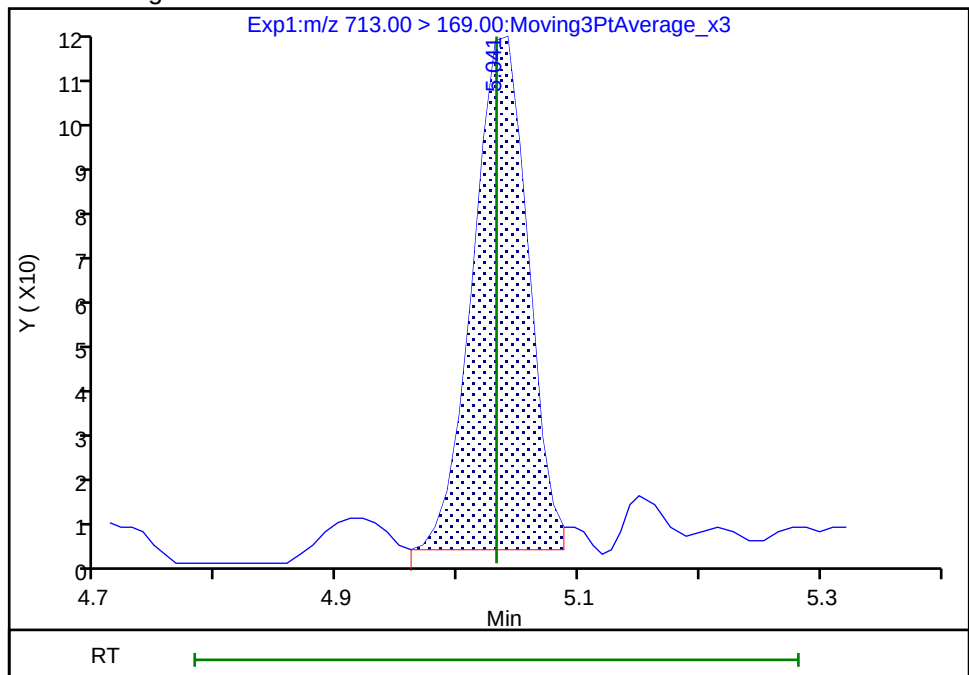
RT: 5.04
Area: 340
Amount: 0.002085
Amount Units: ng/ml

Processing Integration Results



RT: 5.04
Area: 359
Amount: 0.002229
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 12:04:35

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

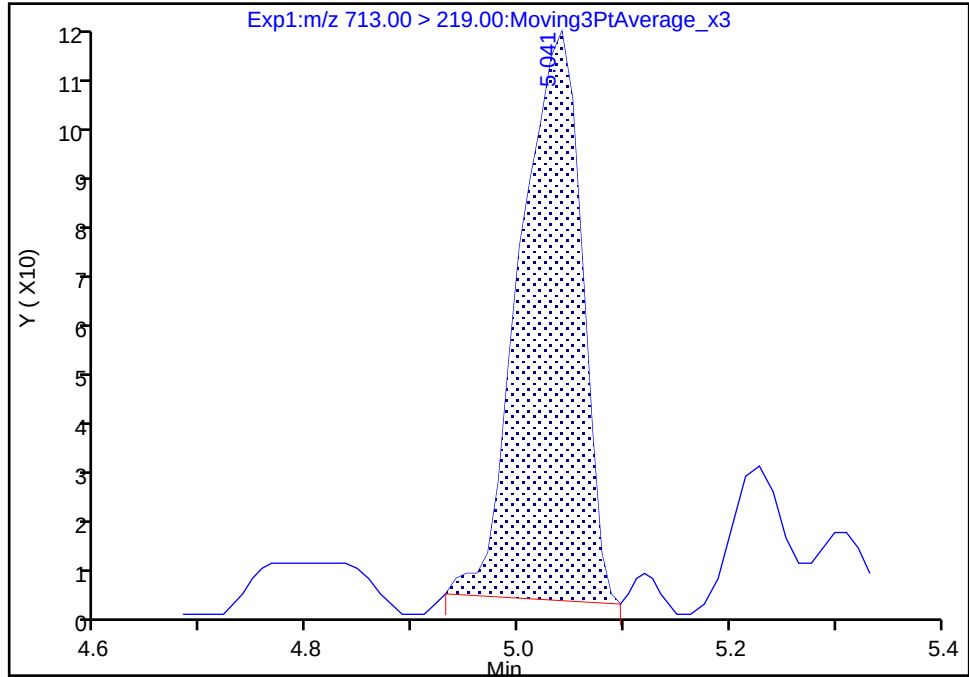
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A23.d
Injection Date: 09-Aug-2022 18:51:11 Instrument ID: LC812
Lims ID: 460-263208-A-5-A Lab Sample ID: 200-263208-5
Client ID: FB-08032022P
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 23
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

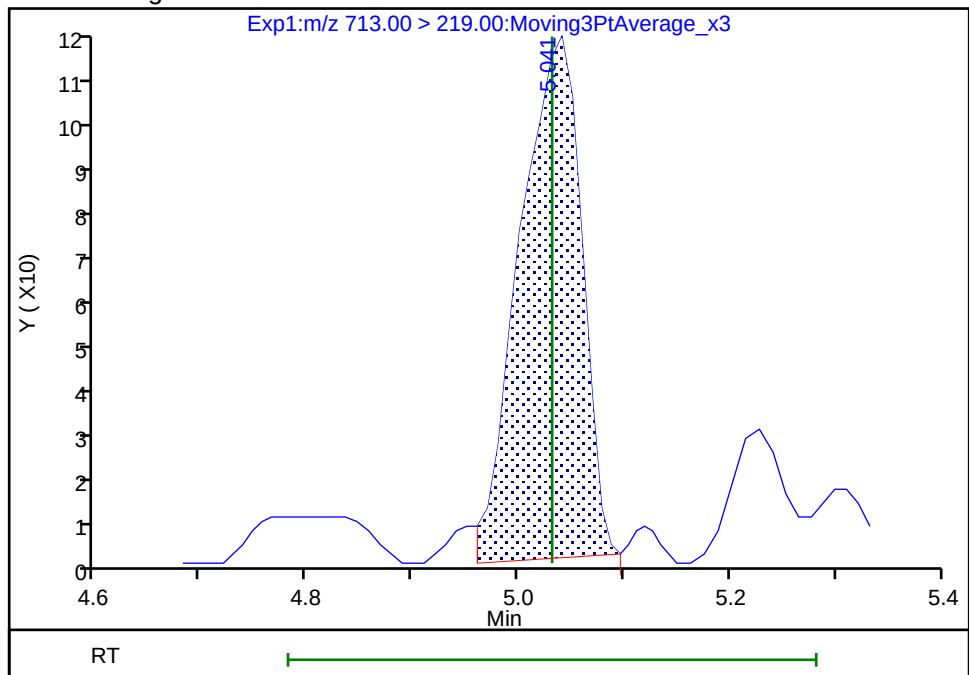
RT: 5.04
Area: 450
Amount: 0.002085
Amount Units: ng/ml

Processing Integration Results



RT: 5.04
Area: 459
Amount: 0.002229
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 12:04:36

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

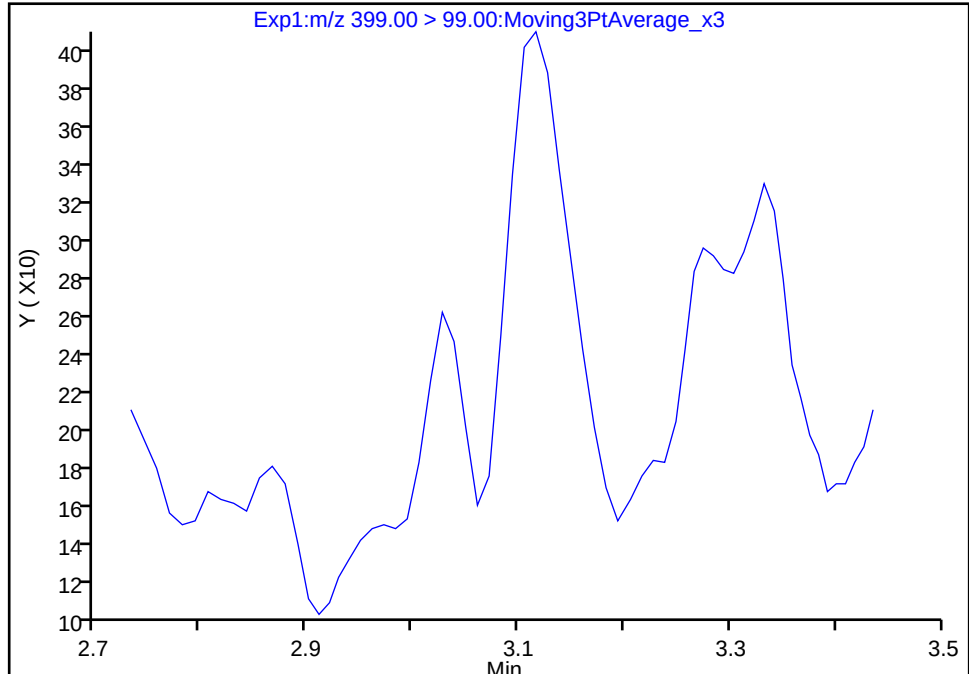
Data File:	\\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A23.d				
Injection Date:	09-Aug-2022 18:51:11	Instrument ID:	LC812		
Lims ID:	460-263208-A-5-A	Lab Sample ID:	200-263208-5		
Client ID:	FB-08032022P				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	23
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

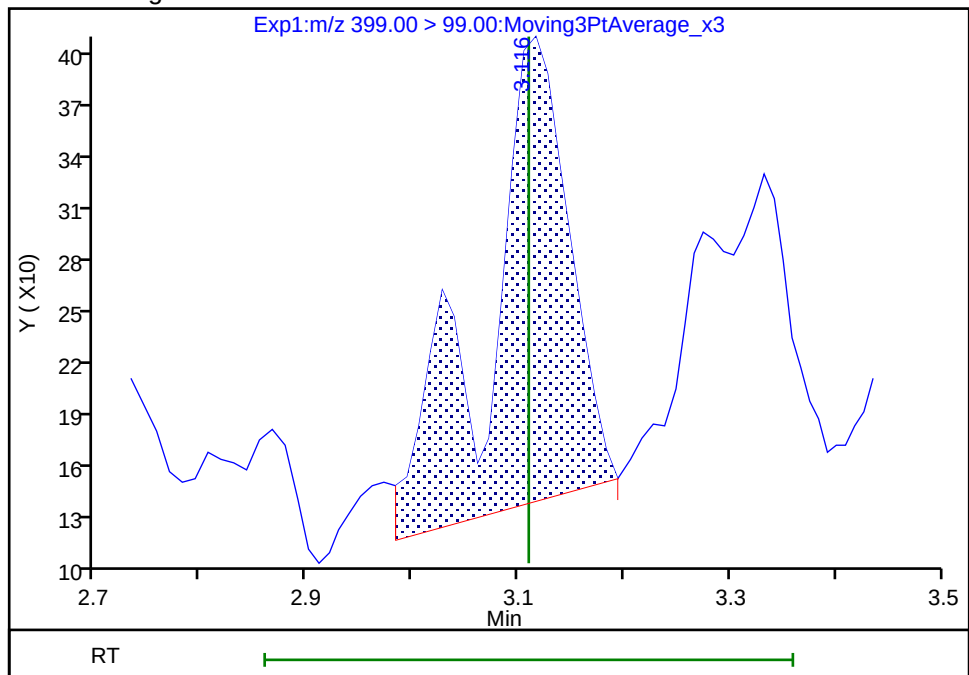
Signal: 2

Not Detected
Expected RT: 3.11

Processing Integration Results



Manual Integration Results



RT: 3.12
Area: 1444
Amount: 0.004245
Amount Units: ng/ml

Reviewer: khanphomeea, 10-Aug-2022 12:01:20

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

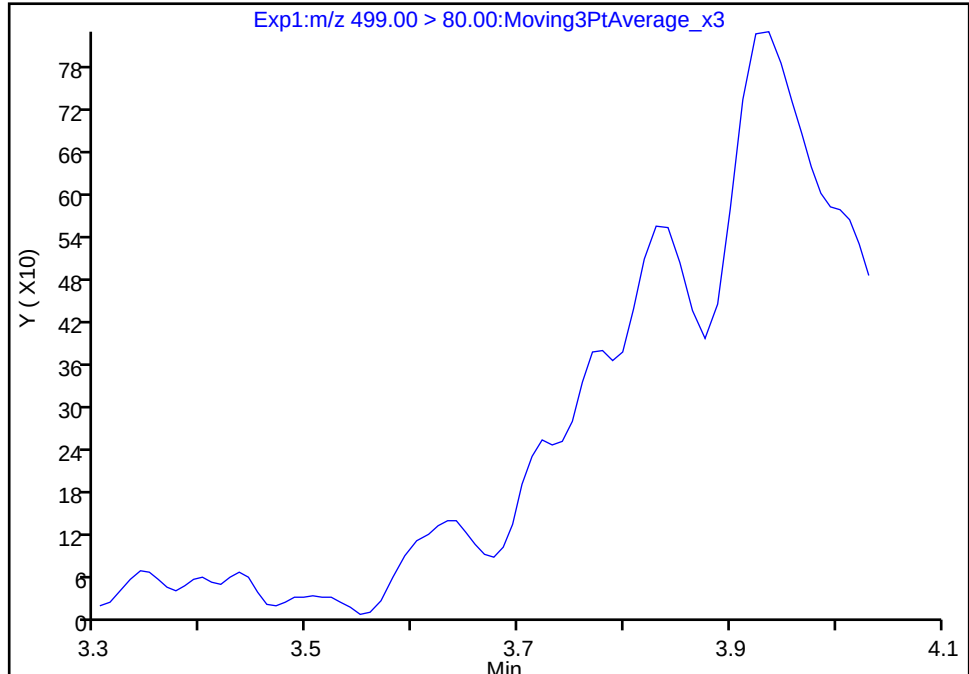
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A23.d
Injection Date: 09-Aug-2022 18:51:11 Instrument ID: LC812
Lims ID: 460-263208-A-5-A Lab Sample ID: 200-263208-5
Client ID: FB-08032022P
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 23
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

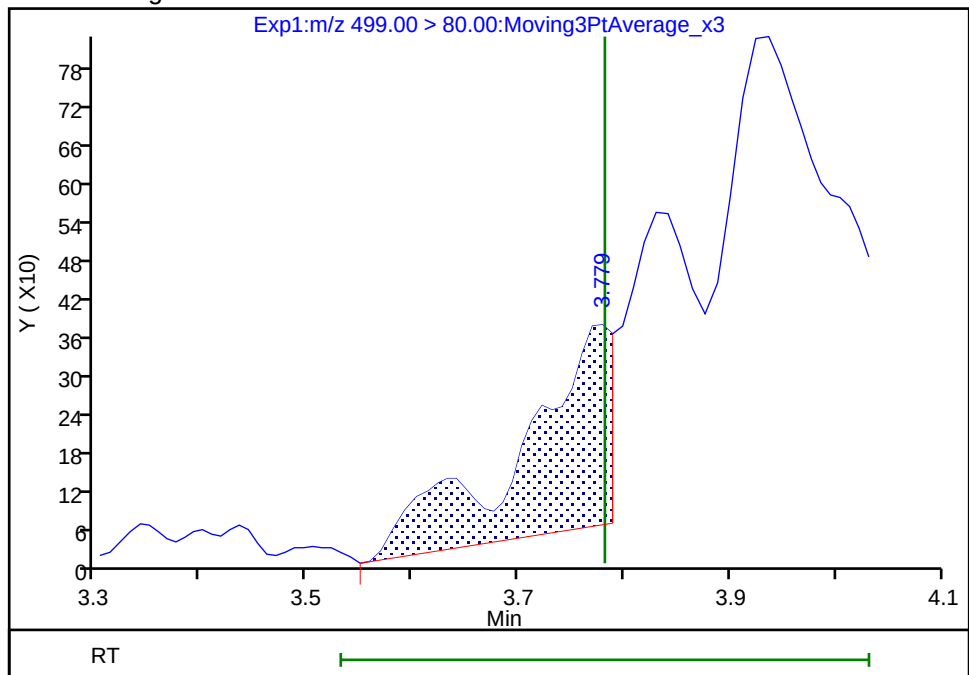
Signal: 1

Not Detected
Expected RT: 3.78

Processing Integration Results



Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 12:03:27

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

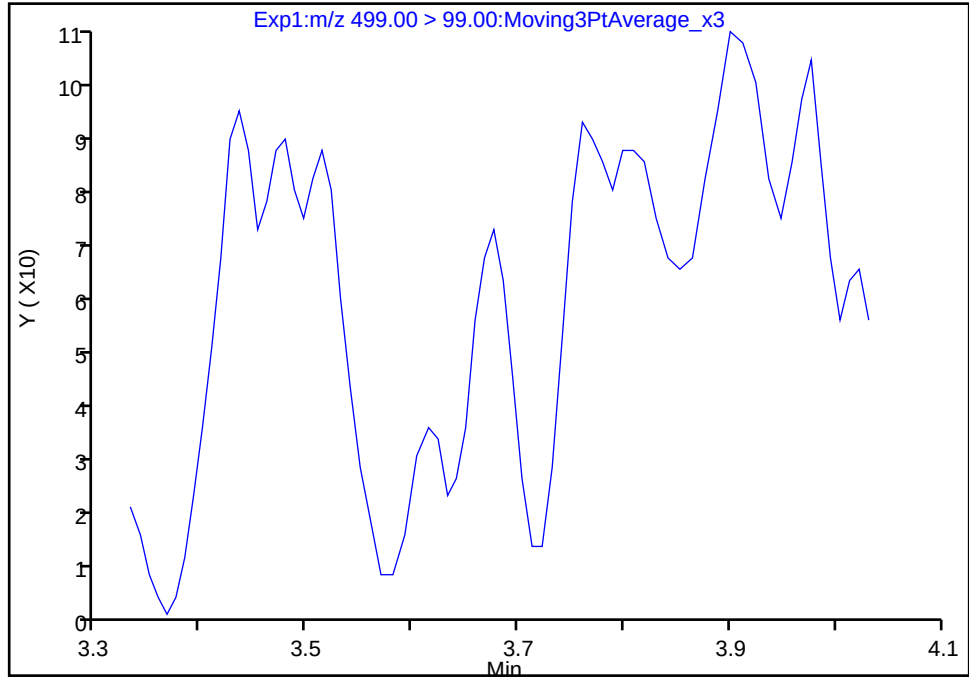
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A23.d
Injection Date: 09-Aug-2022 18:51:11 Instrument ID: LC812
Lims ID: 460-263208-A-5-A Lab Sample ID: 200-263208-5
Client ID: FB-08032022P
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 23
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

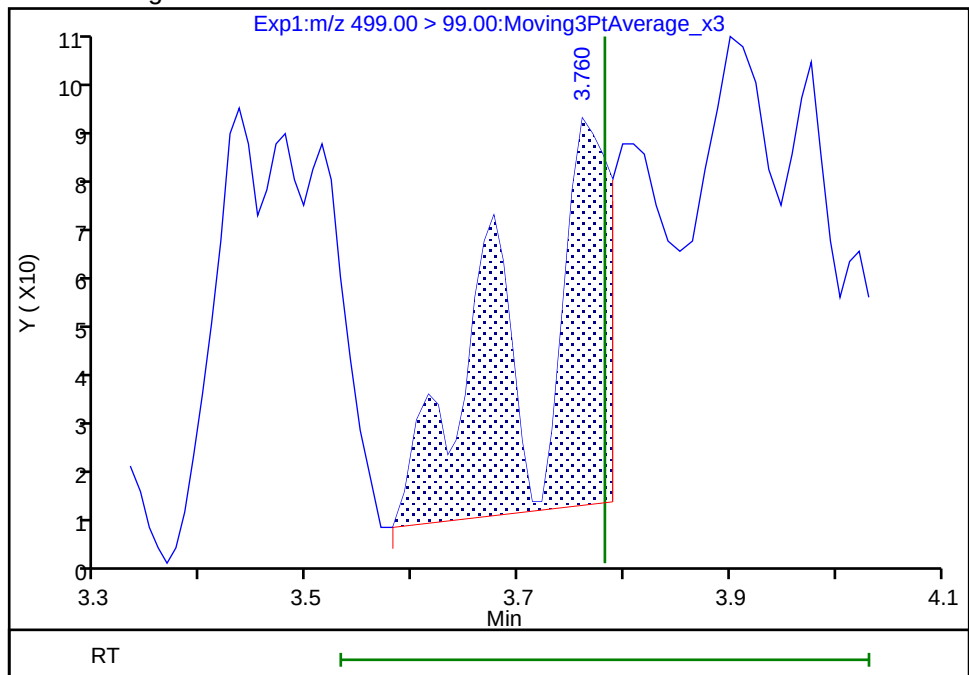
Not Detected
Expected RT: 3.78

Processing Integration Results



Manual Integration Results

RT: 3.76
Area: 417
Amount: -0.016282
Amount Units: ng/ml



Reviewer: khanphomeea, 10-Aug-2022 12:03:38

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

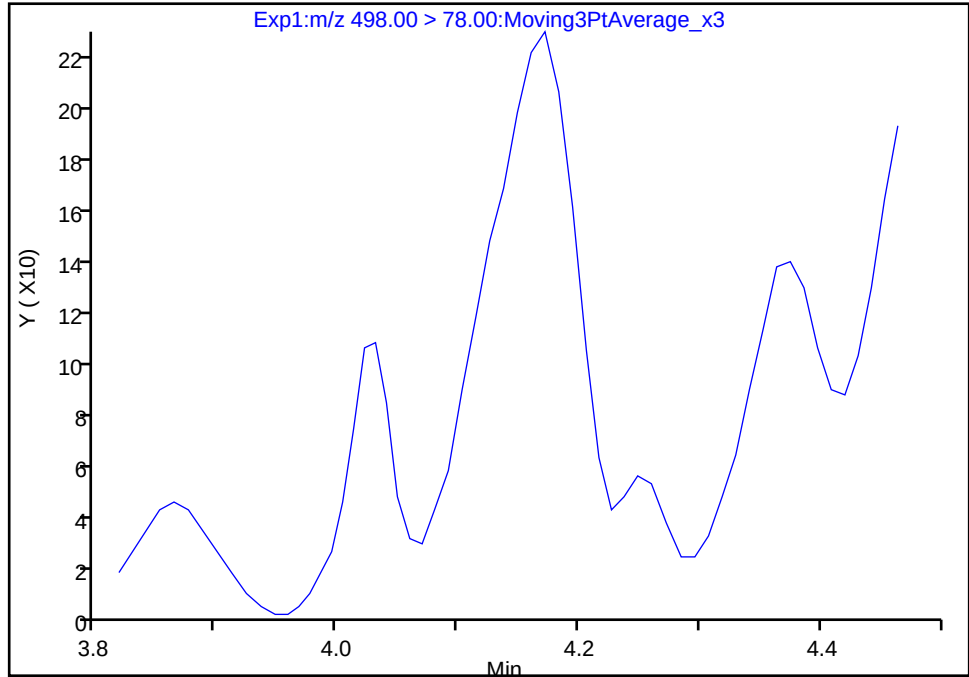
Data File:	\\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A23.d				
Injection Date:	09-Aug-2022 18:51:11	Instrument ID:	LC812		
Lims ID:	460-263208-A-5-A	Lab Sample ID:	200-263208-5		
Client ID:	FB-08032022P				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	23
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

22 Perfluorooctanesulfonamide, CAS: 754-91-6

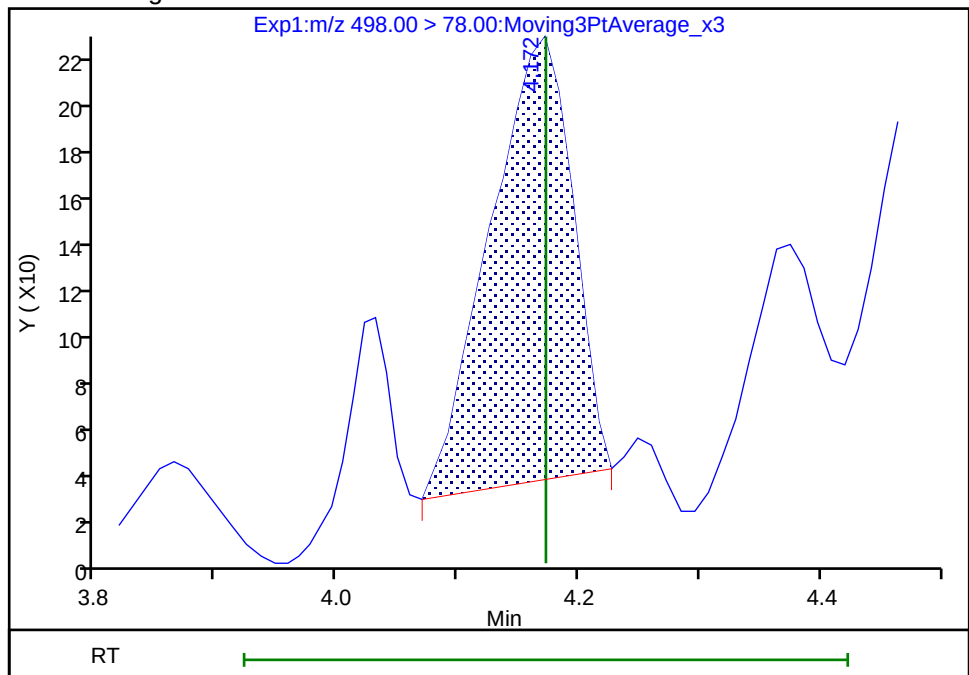
Signal: 1

Not Detected
Expected RT: 4.17

Processing Integration Results



Manual Integration Results

RT: 4.17
Area: 896
Amount: 0.000776
Amount Units: ng/ml

Reviewer: khanphomeea, 10-Aug-2022 12:03:55

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

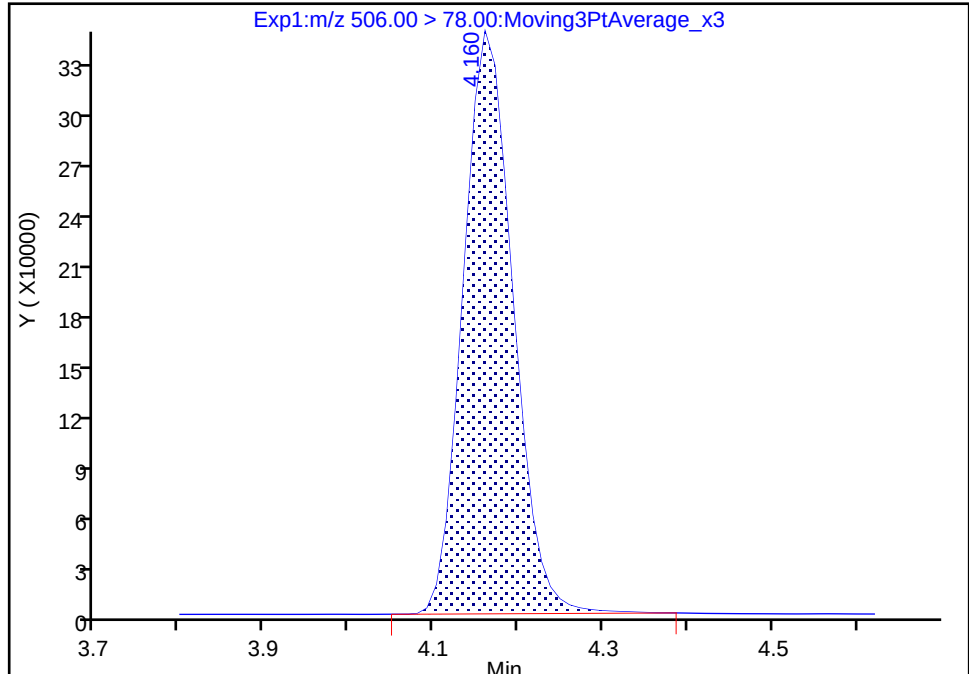
Data File:	\\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A23.d				
Injection Date:	09-Aug-2022 18:51:11	Instrument ID:	LC812		
Lims ID:	460-263208-A-5-A	Lab Sample ID:	200-263208-5		
Client ID:	FB-08032022P				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	23
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

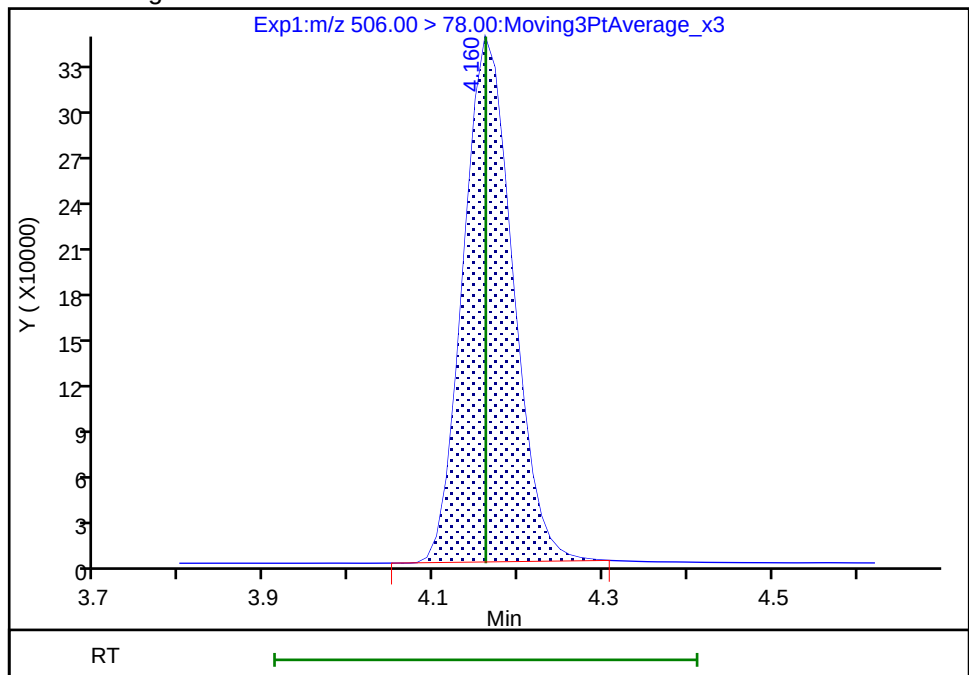
RT: 4.16
Area: 1428716
Amount: 1.045322
Amount Units: ng/ml

Processing Integration Results



RT: 4.16
Area: 1416841
Amount: 1.036633
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 09:25:57

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

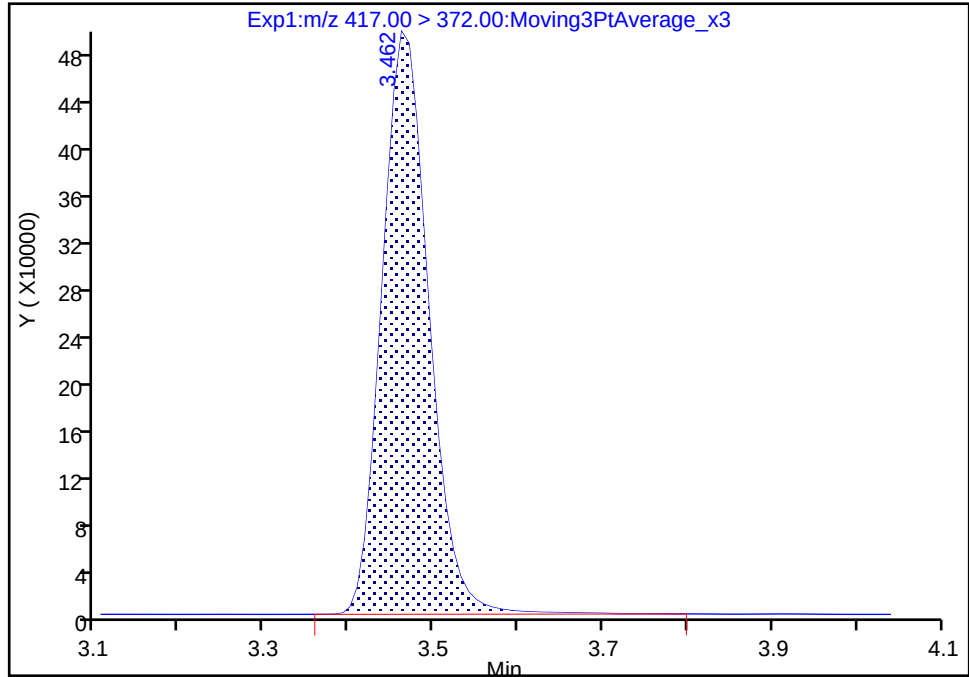
Data File:	\\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A23.d				
Injection Date:	09-Aug-2022 18:51:11	Instrument ID:	LC812		
Lims ID:	460-263208-A-5-A	Lab Sample ID:	200-263208-5		
Client ID:	FB-08032022P				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	23
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 14 13C4 PFOA, CAS: STL00990

Signal: 1

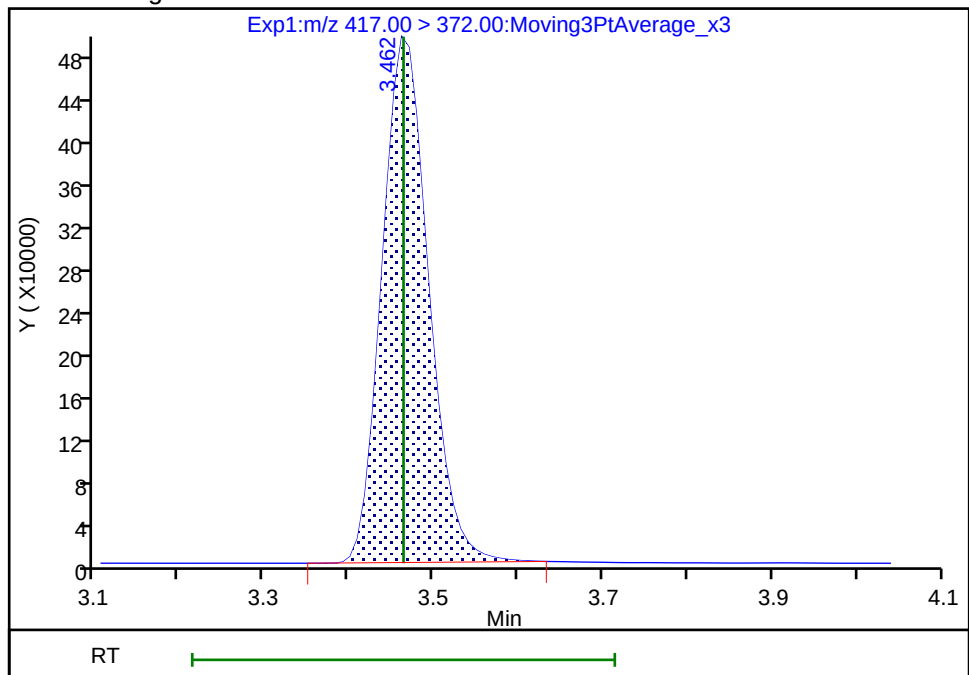
RT: 3.46
Area: 1887460
Amount: 1.221211
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 1869828
Amount: 1.209803
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 09:25:17

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

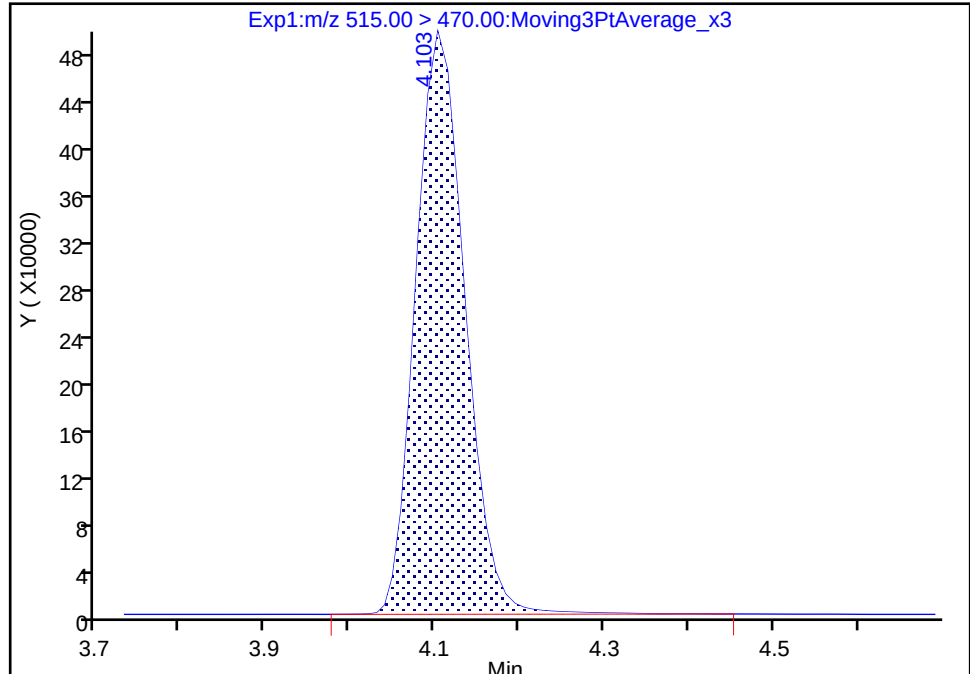
Data File:	\\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A23.d				
Injection Date:	09-Aug-2022 18:51:11	Instrument ID:	LC812		
Lims ID:	460-263208-A-5-A	Lab Sample ID:	200-263208-5		
Client ID:	FB-08032022P				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	23
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 23 13C2 PFDA, CAS: STL00996

Signal: 1

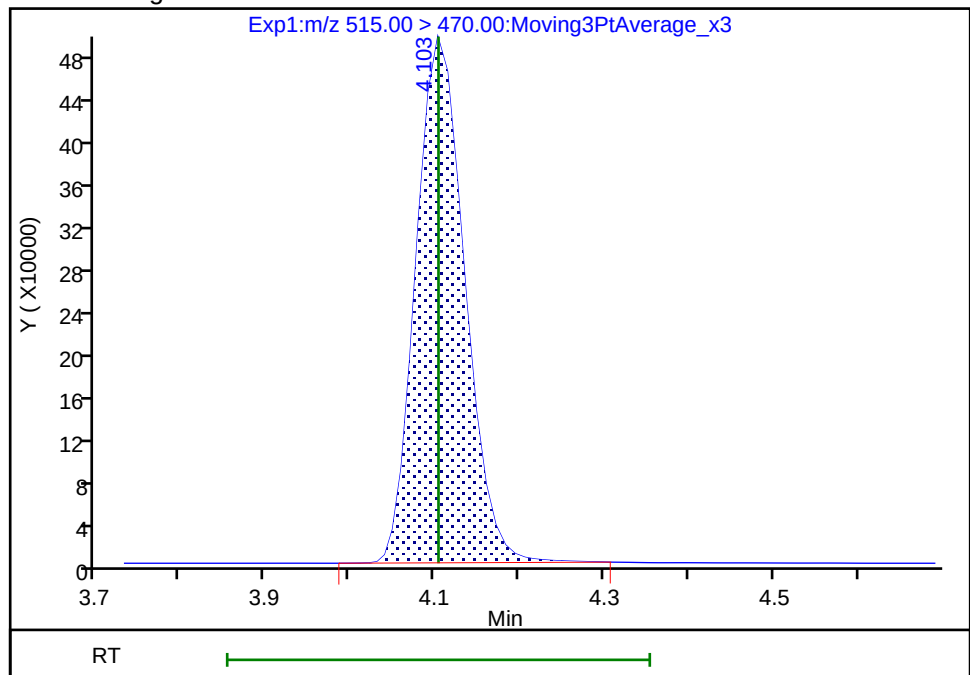
RT: 4.10
Area: 2000963
Amount: 1.281335
Amount Units: ng/ml

Processing Integration Results



RT: 4.10
Area: 1990573
Amount: 1.274681
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 09:25:30

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

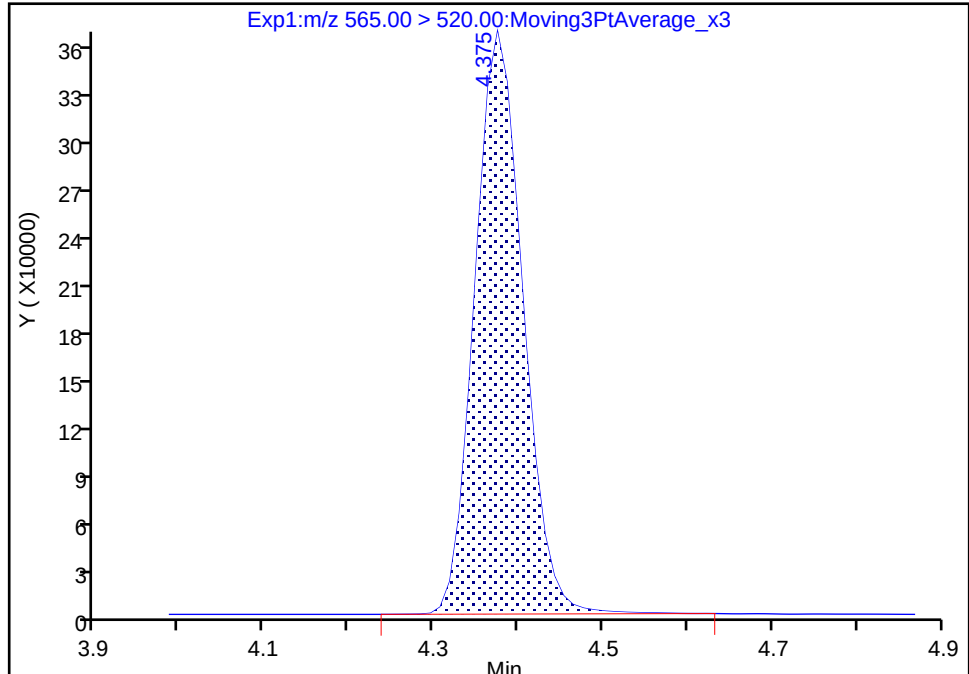
Data File:	\\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A23.d				
Injection Date:	09-Aug-2022 18:51:11	Instrument ID:	LC812		
Lims ID:	460-263208-A-5-A	Lab Sample ID:	200-263208-5		
Client ID:	FB-08032022P				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	23
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

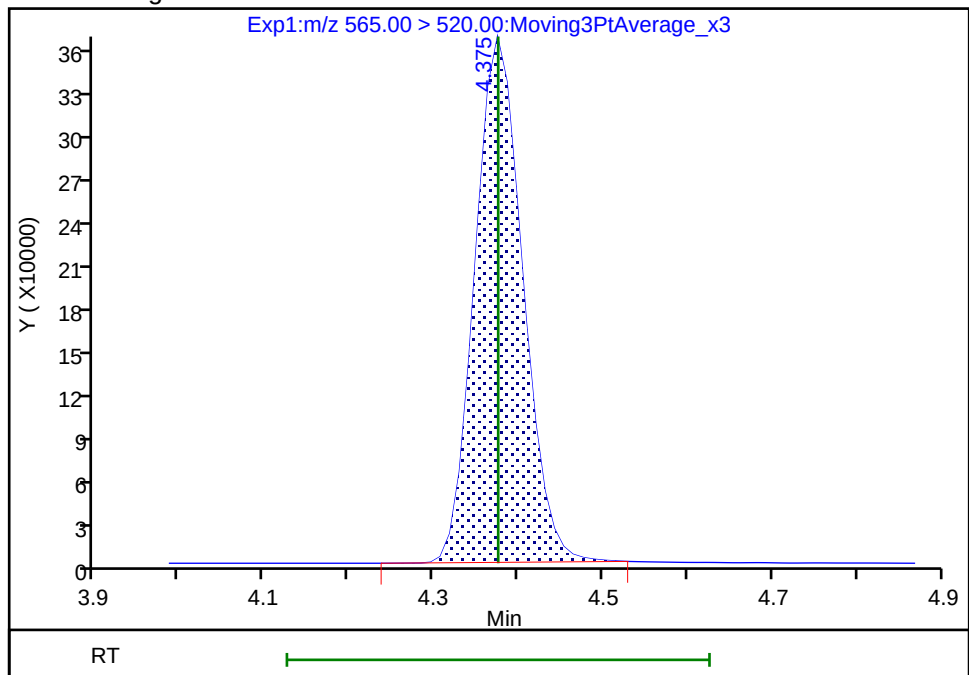
RT: 4.38
Area: 1442728
Amount: 1.219337
Amount Units: ng/ml

Processing Integration Results



RT: 4.38
Area: 1433118
Amount: 1.211215
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 09:26:10
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

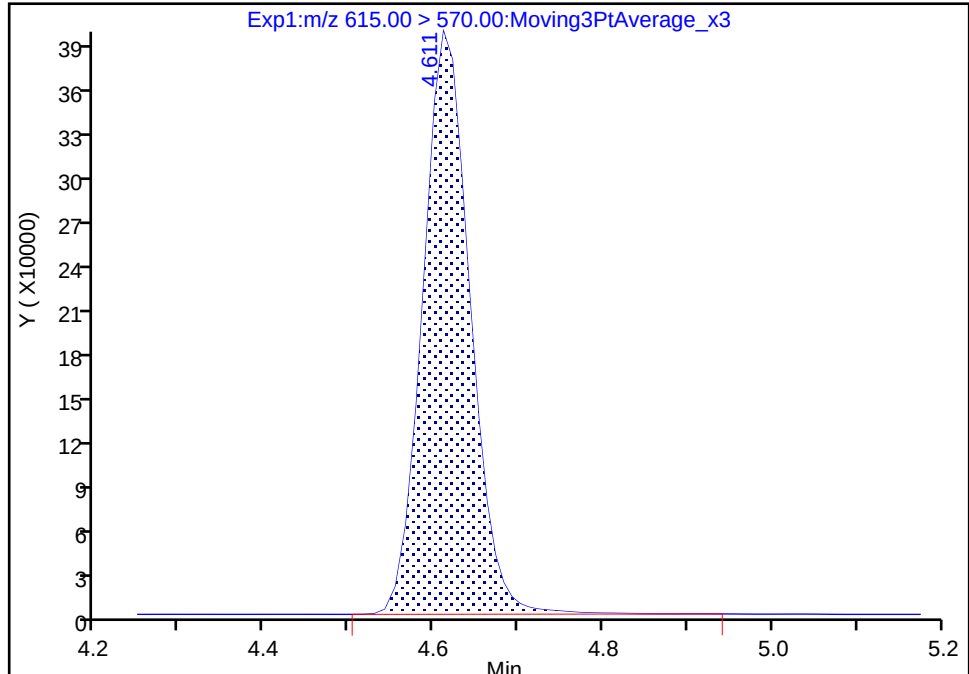
Data File:	\\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A23.d				
Injection Date:	09-Aug-2022 18:51:11	Instrument ID:	LC812		
Lims ID:	460-263208-A-5-A	Lab Sample ID:	200-263208-5		
Client ID:	FB-08032022P				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	23
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 36 13C2 PFD_oA, CAS: STL00998

Signal: 1

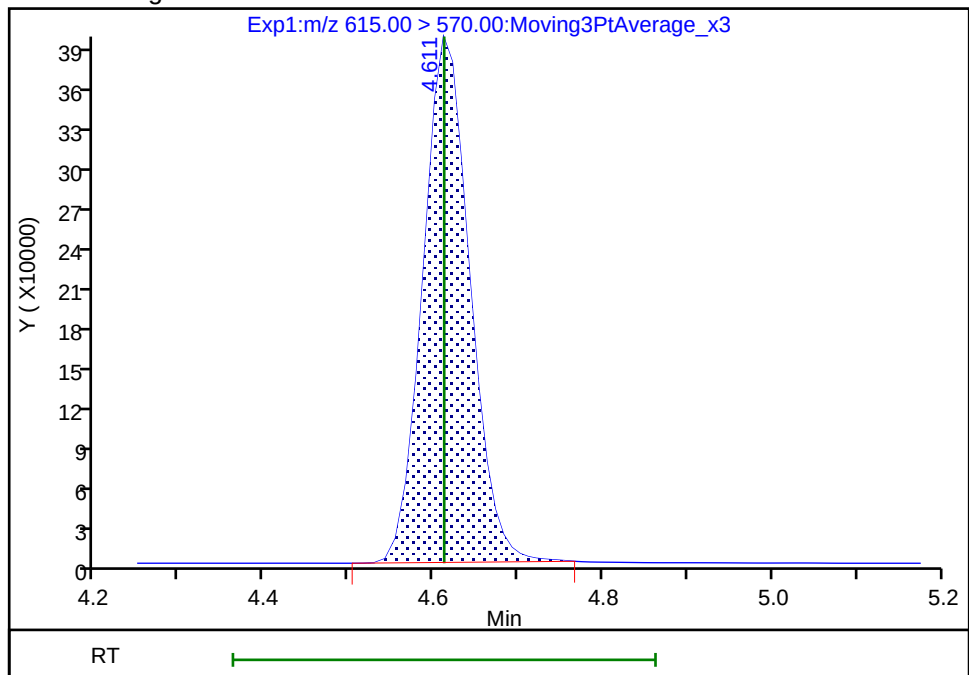
RT: 4.61
Area: 1541246
Amount: 1.257044
Amount Units: ng/ml

Processing Integration Results



RT: 4.61
Area: 1527615
Amount: 1.245926
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 09:26:17

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

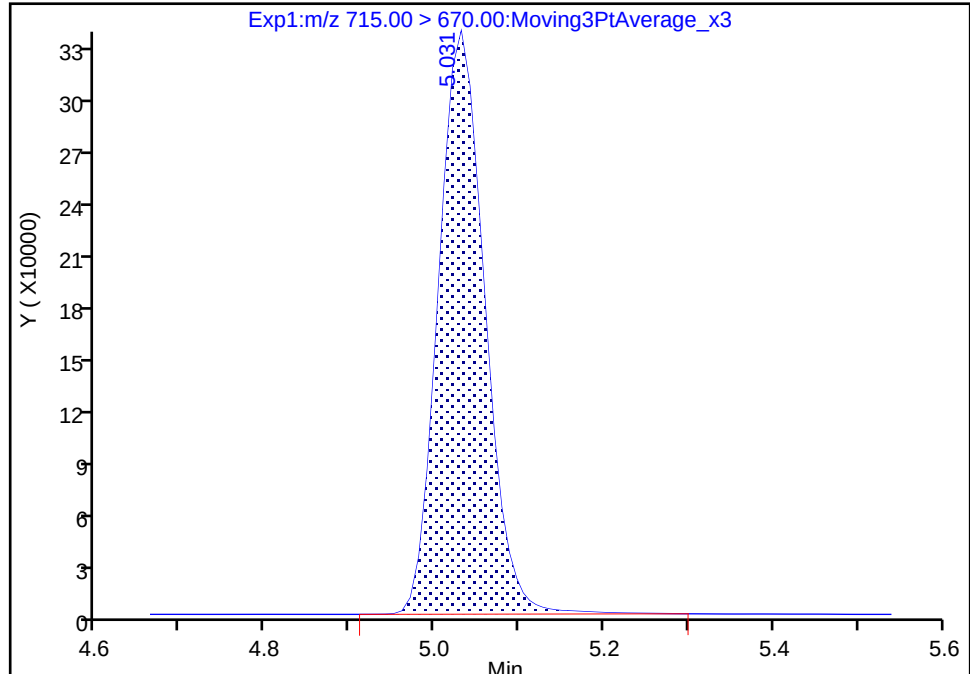
Data File:	\\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A23.d				
Injection Date:	09-Aug-2022 18:51:11	Instrument ID:	LC812		
Lims ID:	460-263208-A-5-A	Lab Sample ID:	200-263208-5		
Client ID:	FB-08032022P				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	23
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

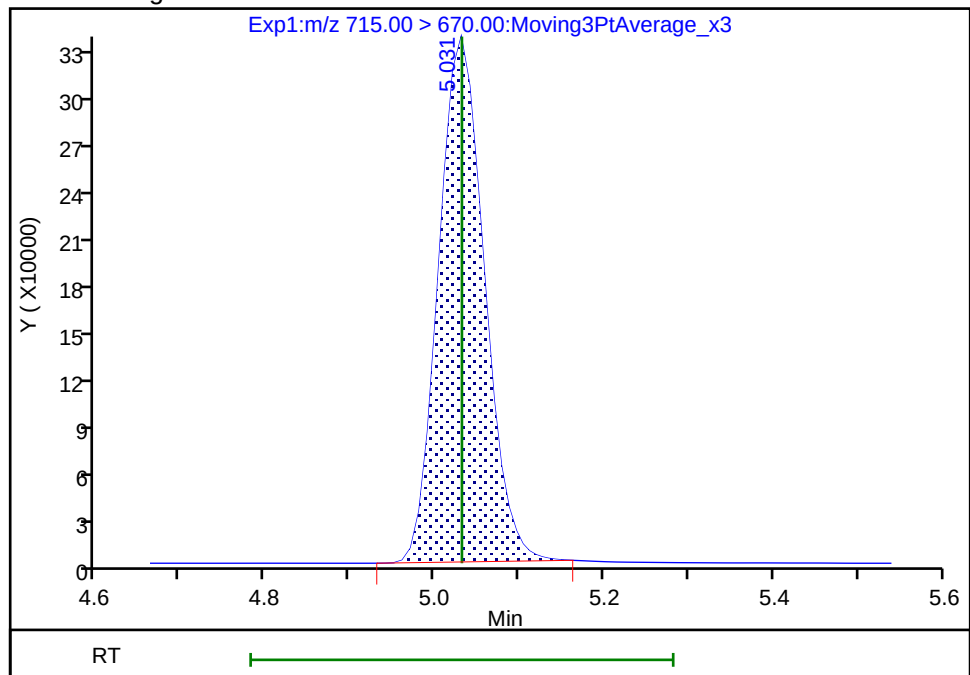
RT: 5.03
Area: 1272337
Amount: 1.269428
Amount Units: ng/ml

Processing Integration Results



RT: 5.03
Area: 1256400
Amount: 1.253527
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 09:27:01

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

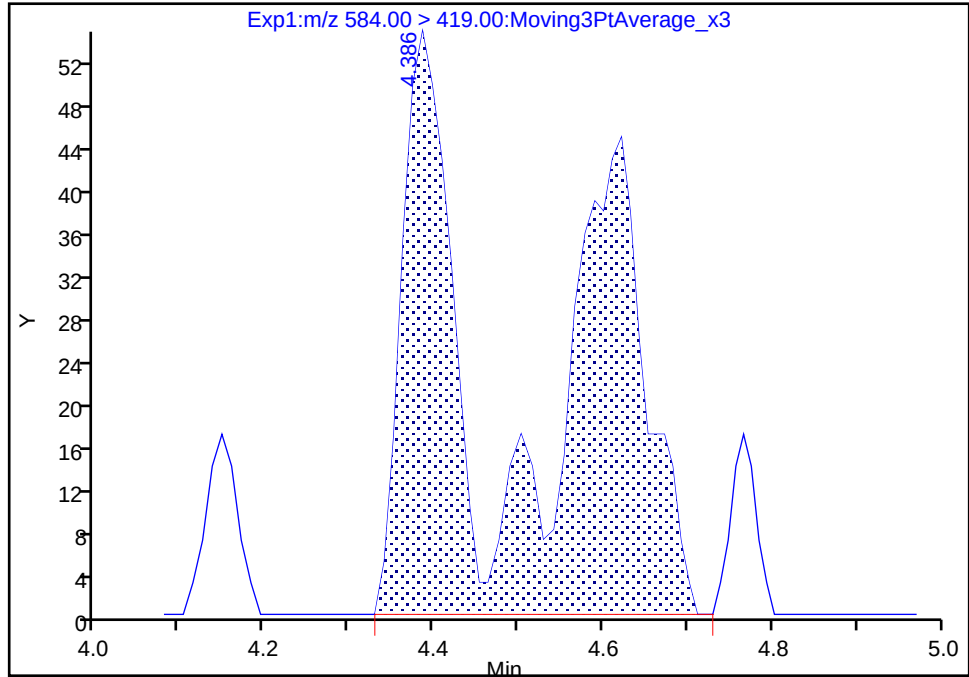
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A23.d
Injection Date: 09-Aug-2022 18:51:11 Instrument ID: LC812
Lims ID: 460-263208-A-5-A Lab Sample ID: 200-263208-5
Client ID: FB-08032022P
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 23
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

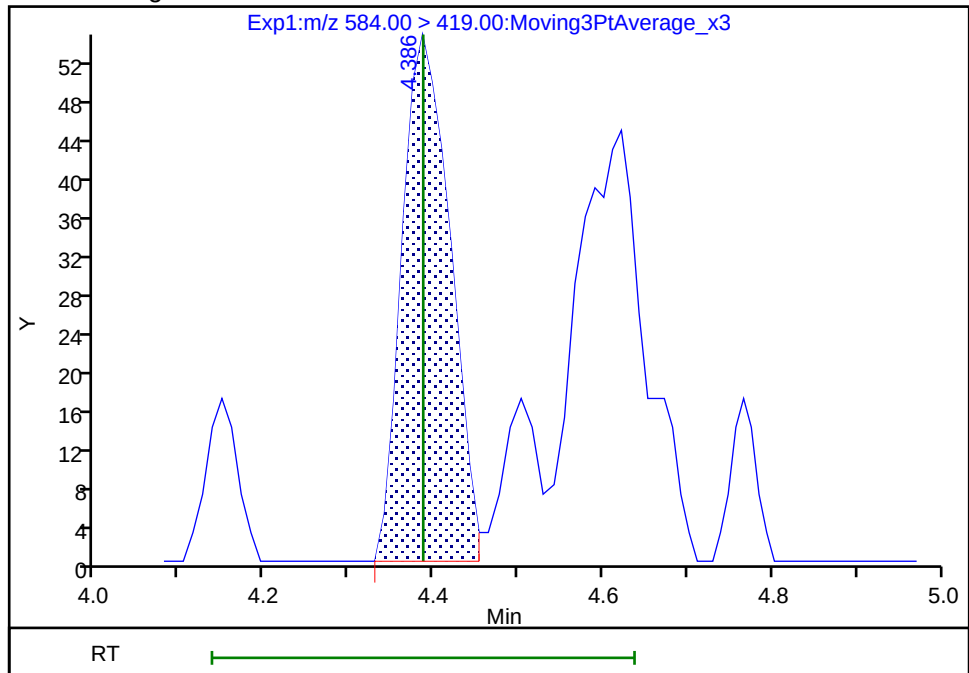
RT: 4.39
Area: 518
Amount: 0.003197
Amount Units: ng/ml

Processing Integration Results



RT: 4.39
Area: 216
Amount: 0.001333
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 12:04:17

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

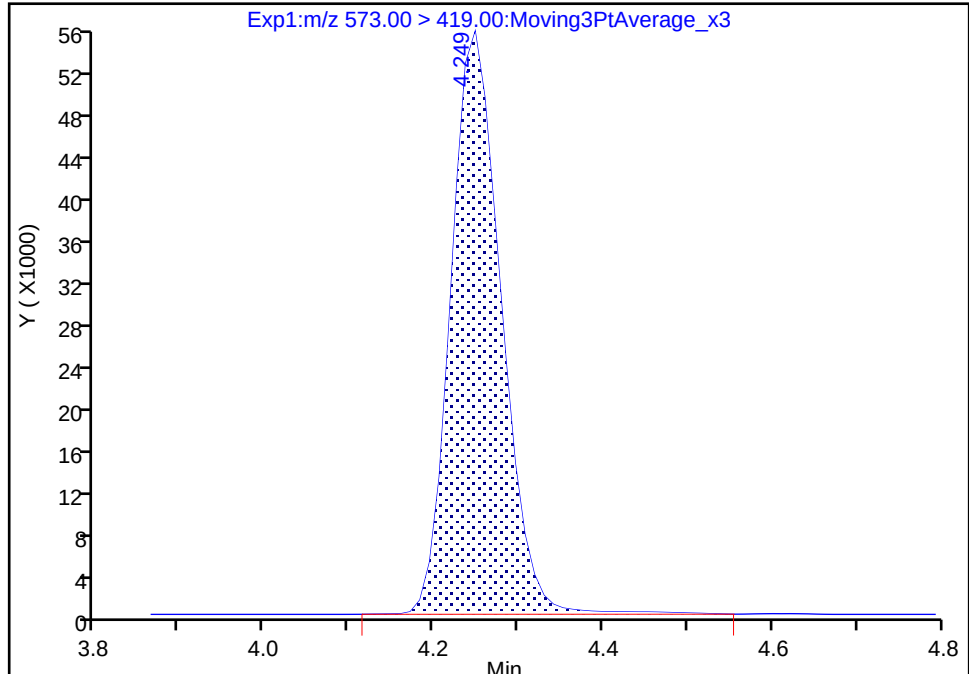
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A23.d
Injection Date: 09-Aug-2022 18:51:11 Instrument ID: LC812
Lims ID: 460-263208-A-5-A Lab Sample ID: 200-263208-5
Client ID: FB-08032022P
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 23
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

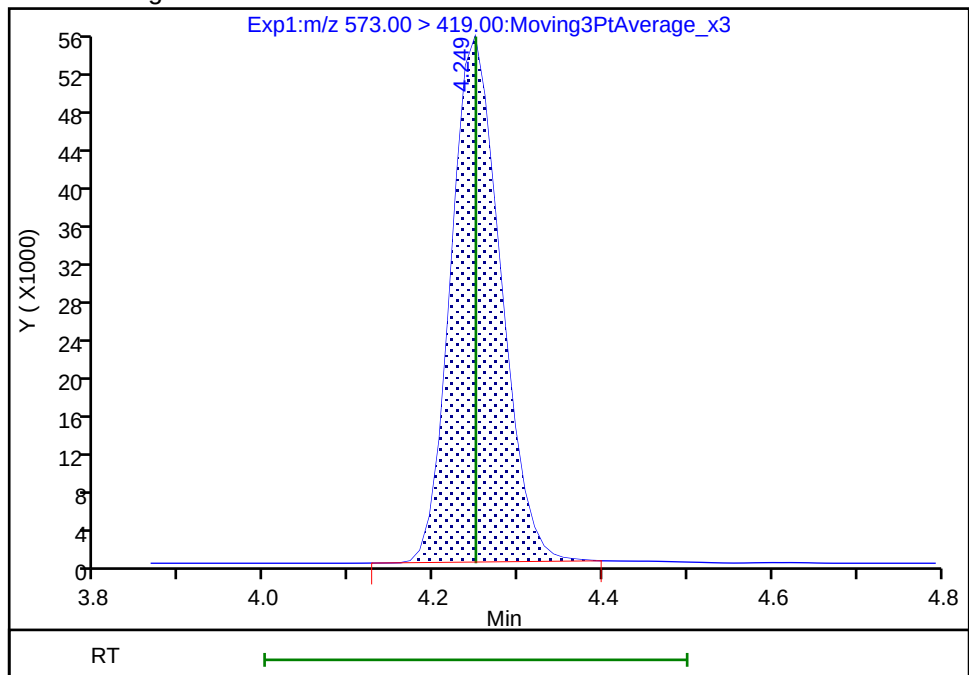
RT: 4.25
Area: 230751
Amount: 1.102453
Amount Units: ng/ml

Processing Integration Results



RT: 4.25
Area: 227308
Amount: 1.086003
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 09:26:03
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

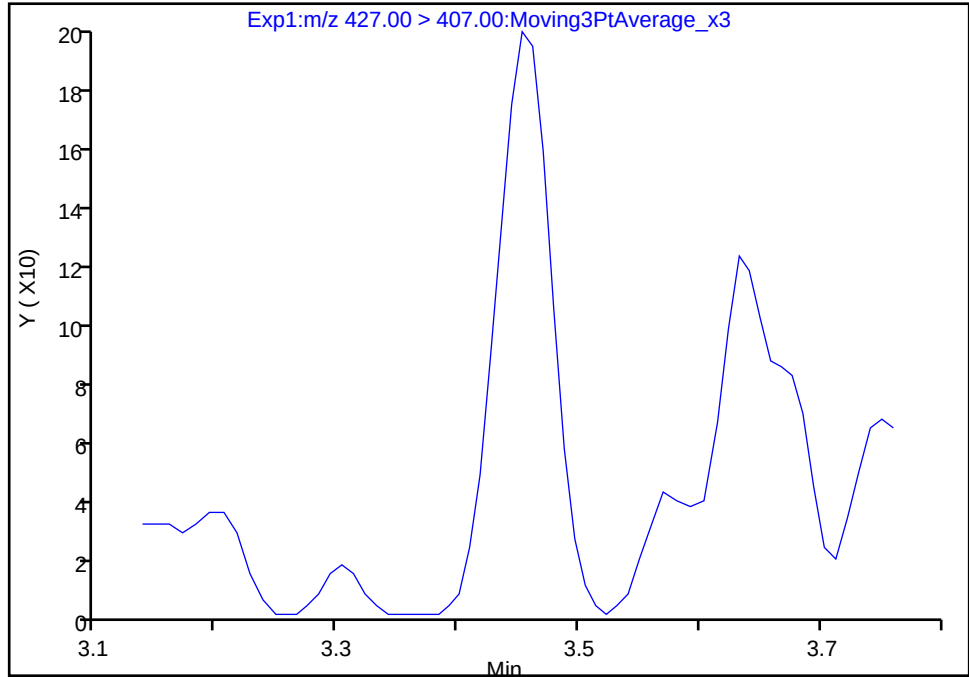
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A23.d
Injection Date: 09-Aug-2022 18:51:11 Instrument ID: LC812
Lims ID: 460-263208-A-5-A Lab Sample ID: 200-263208-5
Client ID: FB-08032022P
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 23
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

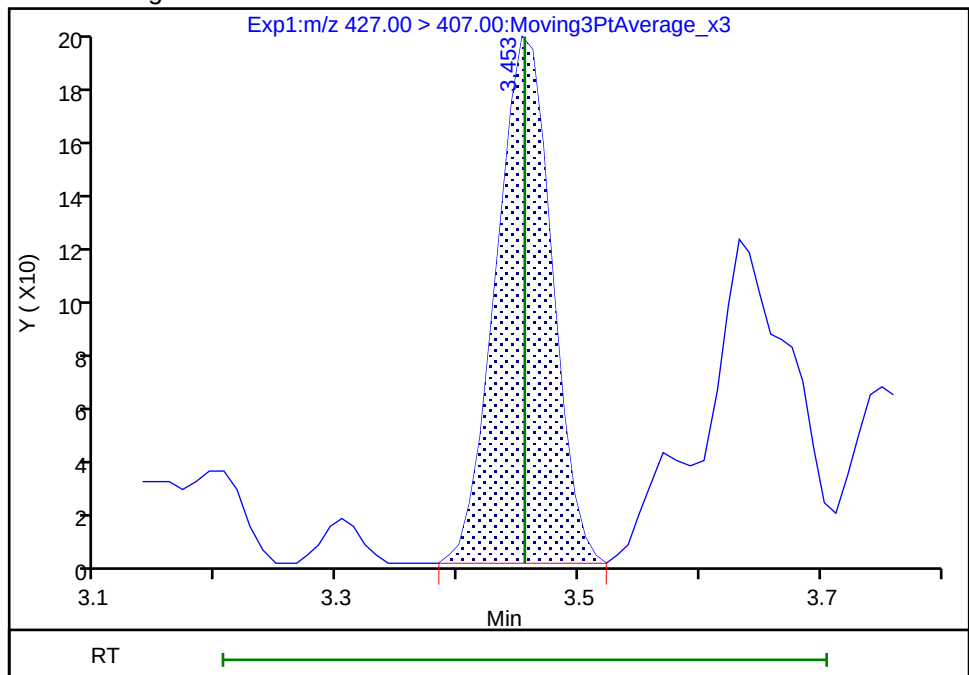
Signal: 1

Not Detected
Expected RT: 3.46

Processing Integration Results



Manual Integration Results



RT: 3.45
Area: 643
Amount: -0.014453
Amount Units: ng/ml

Reviewer: khanphomeea, 10-Aug-2022 12:02:28

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

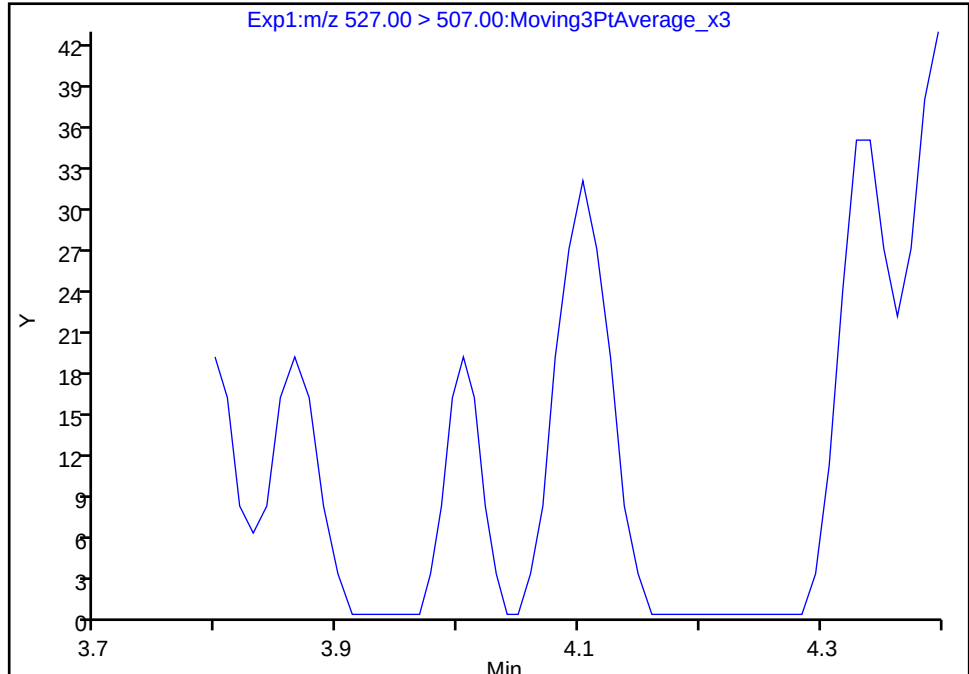
Data File:	\\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A23.d				
Injection Date:	09-Aug-2022 18:51:11	Instrument ID:	LC812		
Lims ID:	460-263208-A-5-A	Lab Sample ID:	200-263208-5		
Client ID:	FB-08032022P				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	23
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

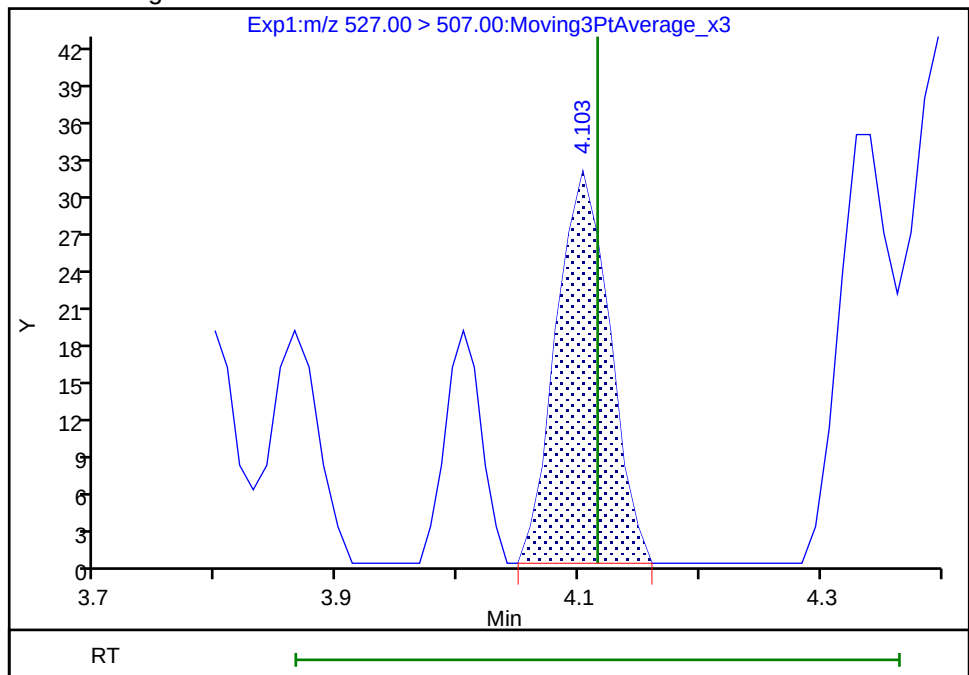
Signal: 1

Not Detected
Expected RT: 4.12

Processing Integration Results



Manual Integration Results

RT: 4.10
Area: 98
Amount: 0.000430
Amount Units: ng/ml

Reviewer: khanphomeea, 10-Aug-2022 12:03:50

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.: 460-263208-1 Analy Batch No.: 182319

SDG No.: _____

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

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

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-182319/5	PA220803ICAL05.d
Level 2	IC 200-182319/6	PA220803ICAL06.d
Level 3	IC 200-182319/7	PA220803ICAL07.d
Level 4	ICIS 200-182319/8	PA220803ICAL08.d
Level 5	IC 200-182319/9	PA220803ICAL09.d
Level 6	IC 200-182319/10	PA220803ICAL10.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Perfluorobutanoic acid (PFBA)	1.0995 0.9124	1.0229	0.9925	0.9329	0.8579	AveI D		0.969 7				8.9		20.0			
Perfluoropentanoic acid (PFPeA)	1.1245 0.9923	1.0788	1.0391	1.0049	0.9460	AveI D		1.030 9				6.2		20.0			
Perfluorobutanesulfonic acid (PFBS)	1.1974 1.0793	1.1629	1.0977	1.0712	1.0146	AveI D		1.103 8				6.0		20.0			
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	2.3896 2.2965	2.4823	2.4462	2.3787	2.2678	AveI D		2.376 8				3.5		20.0			
Perfluorohexanoic acid (PFHxA)	1.0941 1.0084	1.1299	1.0493	1.0140	0.9650	AveI D		1.043 5				5.8		20.0			
Perfluoropentanesulfonic acid (PFPeS)	1.3805 1.2609	1.3339	1.3636	1.2478	1.1929	AveI D		1.296 6				5.7		20.0			
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	1.2670 1.0094	1.0932	1.0693	1.0304	0.9779	AveI D		1.074 5				9.6		20.0			
Perfluorohexanesulfonic acid (PFHxS)	1.2649 1.0524	1.1483	1.1384	1.0214	0.9922	AveI D		1.102 9				9.2		20.0			
Perfluoroheptanoic acid (PFHpA)	1.1294 0.9991	1.0941	0.9881	1.0175	0.9554	AveI D		1.030 6				6.5		20.0			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	4.5089 3.7762	4.3473	4.2326	4.1147	3.7329	AveI D		4.118 8				7.6		20.0			
6:2 FTS	1.8181 1.4633	1.7516	1.6769	1.4735	1.4254	LIID	0.024 5	1.457 2							0.9990		0.9900
Perfluoroheptanesulfonic acid (PFHpS)	1.3934 1.1928	1.2528	1.2495	1.1897	1.1378	AveI D		1.236 0				7.1		20.0			
Perfluorooctanoic acid (PFOA)	1.3111 1.0396	1.1421	1.1267	1.0905	1.0185	AveI D		1.121 4				9.3		20.0			

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

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

Lab Name: Eurofins Burlington Job No.: 460-263208-1 Analy Batch No.: 182319

SDG No.: _____

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

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

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Perfluorooctanesulfonic acid (PFOS)	1.4064 1.0028	1.1882	1.0439	1.0142	0.9776	LlID	0.018 4	0.994 9							1.0000		0.9900
Perfluorononanoic acid (PFNA)	1.1446 0.9585	1.0301	1.0236	1.0105	0.9378	AveI D		1.017 5				7.1		20.0			
9-Chlorohexadecafluoro-3-oxanonane -1-sulfonic acid (9Cl-PF3O)	1.8703 1.6900	1.8234	1.8471	1.7469	1.6214	AveI D		1.766 5				5.5		20.0			
Perfluorononanesulfonic acid (PFNS)	0.8342 0.7468	0.8288	0.7936	0.7652	0.7292	AveI D		0.783 0				5.5		20.0			
Perfluorodecanoic acid (PFDA)	1.1271 0.9728	1.0294	1.1177	1.0557	1.0075	AveI D		1.051 7				5.8		20.0			
8:2 FTS	0.9973 0.9164	0.9688	0.9837	1.0095	0.9182	AveI D		0.965 7				4.1		20.0			
Perfluorooctanesulfonamide (FOSA)	1.0025 0.9860	1.1132	1.0461	0.9874	0.9789	AveI D		1.019 0				5.1		20.0			
N-methylperfluorooctanesulfonamido acetic acid (NMeFOSAA)	0.8770 0.8764	0.8551	1.0037	0.8643	0.8521	AveI D		0.888 1				6.5		20.0			
Perfluorodecanesulfonic acid (PFDS)	0.5628 0.5667	0.5952	0.6171	0.5924	0.5617	AveI D		0.582 7				3.9		20.0			
Perfluoroundecanoic acid (PFUnA)	1.1655 1.0073	1.0594	1.0686	1.0614	0.9944	AveI D		1.059 4				5.7		20.0			
N-ethylperfluorooctanesulfonamidoa cetic acid (NEtFOSAA)	0.9361 0.8961	0.9741	0.9251	0.8726	0.8435	AveI D		0.907 9				5.2		20.0			
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF	2.4120 2.1558	2.3463	2.4238	2.3173	2.1400	AveI D		2.299 2				5.4		20.0			
Perfluorododecanoic acid (PFDoA)	1.0861 0.9547	1.0227	1.0678	1.0097	0.9438	AveI D		1.014 1				5.7		20.0			
1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS)	0.4497 0.4177	0.4838	0.4683	0.4566	0.4306	AveI D		0.451 1				5.4		20.0			
Perfluorododecanesulfonic acid (PFDoS)	0.2786 0.2451	0.2623	0.2876	0.2411	0.2374	AveI D		0.258 7				8.1		20.0			
Perfluorotridecanoic acid (PFTriA)	0.9601 0.7841	0.8815	0.9272	0.9010	0.8207	AveI D		0.879 1				7.5		20.0			
Perfluorotetradecanoic acid (PFTeA)	0.1735 0.1532	0.1627	0.1625	0.1575	0.1518	AveI D		0.160 2				4.9		20.0			

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

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

Lab Name: Eurofins Burlington Job No.: 460-263208-1 Analy Batch No.: 182319

SDG No.: _____

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

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

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Perfluoro-n-hexadecanoic acid (PFHxDA)	1.1646 0.8939	1.0870	1.0285	0.9260	0.8859	LlID	0.018 6	0.894 0							0.9990		0.9900
Perfluoro-n-octadecanoic acid (PFODA)	0.6775 0.6084	0.7070	0.7291	0.6460	0.6214	AveI D		0.664 9				7.2		20.0			
13C4 PFBA	1.1726 1.1824	1.1973	1.1438	1.1522	1.1540	Ave		1.167 0				1.8		50.0			
13C5 PFPeA	0.9489 0.8882	0.9301	0.9081	0.8384	0.8722	Ave		0.897 6				4.5		50.0			
13C3 PFBS	1.0631 1.0216	1.0581	1.0503	1.0003	1.0386	Ave		1.038 7				2.3		50.0			
M2-4:2 FTS	0.0896 0.0902	0.0917	0.0891	0.0862	0.0897	Ave		0.089 4				2.0		50.0			
13C2 PFHxA	0.9203 0.8912	0.8683	0.9146	0.8950	0.8878	Ave		0.896 2				2.1		50.0			
13C3 HFPO-DA	0.1681 0.1778	0.1713	0.1629	0.1647	0.1673	Ave		0.168 7				3.2		50.0			
18O2 PFHxS	0.7337 0.7621	0.7079	0.7226	0.7344	0.7223	Ave		0.730 5				2.5		50.0			
13C4 PFHpA	0.9458 0.9170	0.9105	0.9783	0.9172	0.9086	Ave		0.929 6				2.9		50.0			
M2-6:2 FTS	0.1305 0.1221	0.1208	0.1174	0.1238	0.1190	Ave		0.122 3				3.8		50.0			
13C4 PFOA	0.9664 0.9714	0.9821	0.9385	0.9343	0.9224	Ave		0.952 5				2.5		50.0			
13C4 PFOS	0.5550 0.5622	0.5574	0.5371	0.5252	0.5359	Ave		0.545 5				2.7		50.0			
13C5 PFNA	1.0195 0.9738	1.0155	0.9522	1.0091	0.9633	Ave		0.988 9				3.0		50.0			
13C2 PFDA	0.9585 0.9683	1.0090	0.9553	0.9695	0.9139	Ave		0.962 4				3.2		50.0			
M2-8:2 FTS	0.1567 0.1515	0.1467	0.1413	0.1454	0.1411	Ave		0.147 1				4.1		50.0			
13C8 FOSA	0.8796 0.8447	0.8533	0.8560	0.8028	0.8177	Ave		0.842 3				3.3		50.0			
d3-NMeFOSAA	0.1297 0.1364	0.1272	0.1240	0.1289	0.1277	Ave		0.129 0				3.2		50.0			

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

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

Lab Name: Eurofins Burlington Job No.: 460-263208-1 Analy Batch No.: 182319

SDG No.: _____

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

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

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
13C2 PFUnA	0.7330 0.7184	0.7633	0.7516	0.6866	0.7224	Ave		0.729 2				3.7		50.0			
d5-NEtFOSAA	0.1264 0.1202	0.1213	0.1238	0.1195	0.1214	Ave		0.122 1				2.1		50.0			
13C2 PFDoA	0.7516 0.7915	0.7807	0.7448	0.7225	0.7427	Ave		0.755 6				3.4		50.0			
13C2 PFTeDA	0.6281 0.6215	0.6177	0.6191	0.6112	0.6087	Ave		0.617 7				1.1		50.0			
13C2 PFHxDA	0.7349 0.7070	0.7202	0.6662	0.6959	0.6978	Ave		0.703 7				3.3		50.0			

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

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

Lab Name: Eurofins Burlington Job No.: 460-263208-1 Analy Batch No.: 182319

SDG No.: _____

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

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

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-182319/5	PA220803ICAL05.d
Level 2	IC 200-182319/6	PA220803ICAL06.d
Level 3	IC 200-182319/7	PA220803ICAL07.d
Level 4	ICIS 200-182319/8	PA220803ICAL08.d
Level 5	IC 200-182319/9	PA220803ICAL09.d
Level 6	IC 200-182319/10	PA220803ICAL10.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Perfluorobutanoic acid (PFBA)		AveI D	79209 13183310	154590	711450	1485378	3187659	0.0500 10.0	0.100	0.500	1.00	2.50
Perfluoropentanoic acid (PFPeA)		AveI D	65556 10770827	126653	591383	1164099	2656548	0.0500 10.0	0.100	0.500	1.00	2.50
Perfluorobutanesulfonic acid (PFBS)		AveI D	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)		AveI D	12287 2363764	26836	127514	264719	611993	0.0467 9.34	0.0934	0.467	0.934	2.34
Perfluorohexanoic acid (PFHxA)		AveI D	61860 10982567	123840	601465	1254024	2758598	0.0500 10.0	0.100	0.500	1.00	2.50
Perfluoropentanesulfonic acid (PFPeS)		AveI D	58374 11015177	111806	579172	1187688	2602336	0.0469 9.38	0.0938	0.469	0.938	2.35
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)		AveI D	13087 2193377	23635	109153	234481	526717	0.0500 10.0	0.100	0.500	1.00	2.50
Perfluorohexanesulfonic acid (PFHxS)		AveI D	51891 8919353	93371	469103	943168	2100026	0.0455 9.10	0.0910	0.455	0.910	2.28
Perfluoroheptanoic acid (PFHpA)		AveI D	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.: 460-263208-1 Analy Batch No.: 182319

SDG No.: _____

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

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

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)		AveI D	144834 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)		AveI D	45233 7802287	83914	400346	822025	1868882	0.0476 9.52	0.0952	0.476	0.952	2.38
Perfluorooctanoic acid (PFOA)		AveI D	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)		AveI D	71691 11406519	132027	610819	1409012	2908604	0.0500 10.0	0.100	0.500	1.00	2.50
9-Chlorohexadecafluoro-3-oxanona ne-1-sulfonic acid (9Cl-PF3O		AveI D	59438 10822143	119561	579400	1181613	2607229	0.0466 9.32	0.0932	0.466	0.932	2.33
Perfluorononanesulfonic acid (PFNS)		AveI D	27309 4925638	55980	256419	533126	1207870	0.0480 9.60	0.0960	0.480	0.960	2.40
Perfluorodecanoic acid (PFDA)		AveI D	66374 11511562	131103	669130	1414392	2964619	0.0500 10.0	0.100	0.500	1.00	2.50
8:2 FTS		AveI D	9196 1625337	17191	83425	194268	399769	0.0479 9.58	0.0958	0.479	0.958	2.40
Perfluorooctanesulfonamide (FOSA)		AveI D	54175 10178171	119896	561197	1095271	2577197	0.0500 10.0	0.100	0.500	1.00	2.50
N-methylperfluorooctanesulfonami doacetic acid (NMeFOSAA)		AveI D	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.: 460-263208-1 Analy Batch No.: 182319

SDG No.: _____

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

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

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Perfluorodecanesulfonic acid (PFDS)		AveI D	18501 3753346	40369	200232	414469	934202	0.0482 9.64	0.0964	0.482	0.964	2.41
Perfluoroundecanoic acid (PFUnA)		AveI D	52491 8843669	102072	503320	1006935	2312817	0.0500 10.0	0.100	0.500	1.00	2.50
N-ethylperfluorooctanesulfonamid oacetic acid (NEtFOSAA)		AveI D	7270 1315871	14911	71793	144142	329631	0.0500 10.0	0.100	0.500	1.00	2.50
11-Chloroeicosafluoro-3-oxaundec ane-1-sulfonic acid (11Cl-PF		AveI D	77476 13952793	155503	768442	1584274	3478140	0.0471 9.42	0.0942	0.471	0.942	2.36
Perfluorododecanoic acid (PFDoA)		AveI D	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)		AveI D	4172 745570	8639	39968	88428	188626	0.0482 9.64	0.0964	0.482	0.964	2.41
Perfluorododecanesulfonic acid (PFDoS)		AveI D	9196 1630442	17866	93712	169391	396436	0.0484 9.68	0.0968	0.484	0.968	2.42
Perfluorotridecanoic acid (PFTriA)		AveI D	44332 7584486	86868	432811	899529	1962703	0.0500 10.0	0.100	0.500	1.00	2.50
Perfluorotetradecanoic acid (PFTeA)		AveI D	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)		AveI D	30589 5256805	64267	304377	621162	1396187	0.0500 10.0	0.100	0.500	1.00	2.50
13C4 PFBA	13PF OA	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.: 460-263208-1 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.: 460-263208-1 Analy Batch No.: 182319

SDG No.: _____

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

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

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
M2-8:2 FTS	13PF OA	Ave	230513 221709	221797	212018	240555	217682	1.20 1.20	1.20	1.20	1.20	1.20
13C8 FOSA	13PF OA	Ave	1351035 1290314	1346274	1341161	1386621	1316398	1.25 1.25	1.25	1.25	1.25	1.25
d3-NMeFOSAA	13PF OA	Ave	199141 208390	200758	194324	222702	205583	1.25 1.25	1.25	1.25	1.25	1.25
13C2 PFUnA	13PF OA	Ave	1125897 1097436	1204305	1177558	1185895	1162923	1.25 1.25	1.25	1.25	1.25	1.25
d5-NEtFOSAA	13PF OA	Ave	194163 183559	191350	194014	206475	195385	1.25 1.25	1.25	1.25	1.25	1.25
13C2 PFDoA	13PF OA	Ave	1154380 1209177	1231772	1166932	1247905	1195679	1.25 1.25	1.25	1.25	1.25	1.25
13C2 PFTeDA	13PF OA	Ave	964763 949490	974562	969884	1055713	979883	1.25 1.25	1.25	1.25	1.25	1.25
13C2 PFHxDA	13PF OA	Ave	1128787 1080090	1136259	1043688	1201939	1123333	1.25 1.25	1.25	1.25	1.25	1.25

Curve Type Legend

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

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 03-Aug-2022 13:00:16 ALS Bottle#: 2 Worklist Smp#: 5
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: IC
 Misc. Info.: 200-0051940-005 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Sublist: chrom-PFC_LC812*sub3
 Method: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 03-Aug-2022 14:24:59 Calib Date: 03-Aug-2022 13:41:11
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1672

First Level Reviewer: Z1IP

Date: 03-Aug-2022 13:19:34

Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										M
217.00 > 172.00	2.078	2.085	-0.007	0.597	1801086	1.26		100	7731	M
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.086	2.085	0.001	1.004	79209	0.0567		113	10.2	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.391	2.400	-0.009	0.687	1457461	1.32		106	3267	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.405	2.400	0.005	1.006	65556	0.0545		109	2.6	M
D 47 13C3 PFBS										
301.90 > 80.00	2.418	2.413	0.005	0.695	1518638	1.19		102	230606	
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.418	2.413	0.005	1.000	69137	0.0479	Target=2.18	108	82.0	M
298.90 > 99.00	2.418	2.413	0.005	1.000	30532		2.26(1.09-3.28)	108	28.0	
D 60 M2-4:2 FTS										
329.00 > 81.00	2.709	2.713	-0.004	0.779	128546	1.17		100	129	
61 1H,1H,2H,2H-perfluorohexanesulfo										
327.00 > 307.00	2.721	2.713	0.008	1.004	12287	0.0470		101	186	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.757	2.750	0.007	1.004	61860	0.0524	Target=12.37	105	15.3	M
313.00 > 119.00	2.757	2.750	0.007	1.004	6757		9.15(6.19-18.56)	105	12.2	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.745	2.750	-0.005	0.789	1413508	1.28		103	3566	
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.757	2.762	-0.005	0.885	58374	0.0499	Target=3.00	106	119	M
349.00 > 99.00	2.757	2.762	-0.005	0.885	18394		3.17(1.50-4.50)	106	47.8	M
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.867	2.859	0.008	0.824	258219	1.25		99.7	1682	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
67 Perfluoro(2-propoxypropanoic) ac										M
285.00 > 169.00	2.867	2.859	0.008	1.000	13087	0.0590		118	132	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.128	3.121	0.007	0.899	1452765	1.27		102	2063	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.128	3.121	0.007	1.000	65633	0.0548	Target=3.68	110	22.4	M
363.00 > 169.00	3.117	3.121	-0.005	0.996	19194		3.42(1.84-5.52)	110	44.6	M
D 11 18O2 PFHxS										M
403.00 > 84.00	3.117	3.121	-0.005	0.896	1066162	1.19		100	1745	M
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.117	3.121	-0.005	1.000	51891	0.0522	Target=3.52	115	172	M
399.00 > 99.00	3.117	3.121	-0.005	1.000	15155		3.42(1.76-5.27)	115	21.9	M
77 DONA										M
377.00 > 251.00	3.161	3.165	-0.004	0.832	144834	0.0516	Target=2.78	109	296	M
377.00 > 85.00	3.161	3.165	-0.004	0.832	51045		2.84(1.39-4.17)	109	84.5	M
D 12 M2-6:2 FTS										M
429.00 > 81.00	3.471	3.474	-0.003	0.997	190476	1.27		107	388	M
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.471	3.474	-0.003	1.000	13823	0.0423		89.3	48.7	
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.471	3.474	-0.003	0.914	45233	0.0537	Target=4.99	113	228	
449.00 > 99.00	3.471	3.474	-0.003	0.914	7774		5.82(2.50-7.49)	113	46.7	M
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.479	3.482	-0.003	1.000	77847	0.0585	Target=2.64	117	10.3	
413.00 > 169.00	3.479	3.482	-0.003	1.000	31052		2.51(1.32-3.96)	117	75.3	M
D 14 13C4 PFOA										M
417.00 > 372.00	3.479	3.482	-0.003	1.000	1484438	1.27		101	1596	M
* 62 13C2 PFOA										M
415.00 > 370.00	3.479	3.482	-0.003		1535975	1.25			1908	M
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.799	3.802	-0.003	1.000	44505	0.0471	Target=4.77	102	27.2	M
499.00 > 99.00	3.799	3.802	-0.003	1.000	8724		5.10(2.38-7.15)	102	34.5	M
D 18 13C4 PFOS										
503.00 > 80.00	3.799	3.802	-0.003	1.092	814976	1.22		102	3178	
20 Perfluorononanoic acid										M
463.00 > 419.00	3.819	3.822	-0.003	1.000	71691	0.0562	Target=7.92	112	27.7	
463.00 > 169.00	3.819	3.822	-0.003	1.000	8957		8.00(3.96-11.88)	112	106	M
D 19 13C5 PFNA										
468.00 > 423.00	3.819	3.822	-0.003	1.098	1565872	1.29		103	2443	
69 9-Chlorohexadecafluoro-3-oxanona										M
531.00 > 351.00	3.968	3.969	-0.001	1.045	59438	0.0493		106	384	M
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.104	4.093	0.011	1.080	27309	0.0511	Target=2.52	107	349	
549.00 > 99.00	4.104	4.093	0.011	1.080	10843		2.52(1.26-3.78)	107	81.2	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.138	4.127	0.011	1.000	9196	0.0495		103	154	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.126	4.127	-0.001	1.000	66374	0.0536	Target=9.74	107	50.2	M
513.00 > 169.00	4.126	4.127	-0.001	1.000	5921		11.21(4.87-14.60)	107	27.6	
D 23 13C2 PFDA										M
515.00 > 470.00	4.126	4.127	-0.001	1.186	1472294	1.24		99.6	1098	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.138	4.138	0.0	1.189	230513	1.28		106	1064	
D 21 13C8 FOSA										M
506.00 > 78.00	4.172	4.173	-0.001	1.199	1351035	1.31		104	2009	M
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.184	4.173	0.011	1.003	54175	0.0492		98.4	245	
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.273	4.273	0.0	1.000	6986	0.0494		98.8	26.0	M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.273	4.273	0.0	1.228	199141	1.26		101	1135	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.375	4.365	0.010	1.152	18501	0.0466	Target=2.62	96.6	170	M
599.00 > 99.00	4.364	4.365	-0.001	1.149	7794		2.37(1.31-3.93)	96.6	95.5	M
D 30 13C2 PFUnA										M
565.00 > 520.00	4.398	4.399	-0.001	1.264	1125897	1.26		101	1115	M
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.398	4.399	-0.001	1.000	52491	0.0550	Target=8.83	110	49.5	M
563.00 > 169.00	4.398	4.399	-0.001	1.000	5695		9.22(4.41-13.24)	110	73.1	M
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.409	4.410	-0.001	1.000	7270	0.0516		103	80.8	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.409	4.410	-0.001	1.267	194163	1.29		104	918	
66 11-Chloroeicosafuoro-3-oxaundec										M
631.00 > 451.00	4.503	4.491	0.012	1.185	77476	0.0494		105	387	M
D 36 13C2 PFDaA										M
615.00 > 570.00	4.632	4.633	-0.001	1.331	1154380	1.24		99.5	902	M
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.632	4.633	-0.001	1.000	50149	0.0535	Target=6.63	107	9.0	M
613.00 > 169.00	4.632	4.633	-0.001	1.000	7314		6.86(3.32-9.95)	107	56.8	
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.653	4.654	-0.001	1.125	4172	0.0480		99.7	163	
75 Perfluorododecanesulfonic acid (										
699.00 > 80.00	4.812	4.813	-0.001	1.267	9196	0.0521	Target=0.54	108	159	
699.00 > 99.00	4.812	4.813	-0.001	1.267	18022		0.51(0.27-0.81)	108	268	
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.858	4.859	-0.001	1.049	44332	0.0546	Target=4.62	109	8.6	M
663.00 > 169.00	4.858	4.859	-0.001	1.049	8523		5.20(2.31-6.94)	109	93.5	M
D 43 13C2 PFTeDA										M
715.00 > 670.00	5.051	5.052	-0.001	1.452	964763	1.27		102	1373	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.051	5.052	-0.001	1.000	6696	0.0542	Target=0.94	108	69.6	M
713.00 > 219.00	5.051	5.052	-0.001	1.000	7362		0.91(0.47-1.41)	108	76.1	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
45 Perfluorohexadecanoic acid										M
813.00 > 769.00	5.421	5.422	-0.001	1.000	52583	0.0444	Target=4.40	88.7	14.1	
813.00 > 169.00	5.421	5.422	-0.001	1.000	11856		4.44(2.20-6.59)	88.7	97.5	M
D 44 13C2 PFHxDA										M
815.00 > 770.00	5.421	5.422	-0.001	1.558	1128787	1.31		104	2389	M
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.776	5.786	-0.010	1.065	30589	0.0509	Target=4.42	102	10.2	M
913.00 > 169.00	5.776	5.786	-0.010	1.065	6782		4.51(2.21-6.63)	102	57.6	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PFAS32NCIC1_00013

Amount Added: 100.00

Units: uL

Eurofins Burlington

Data File: \\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

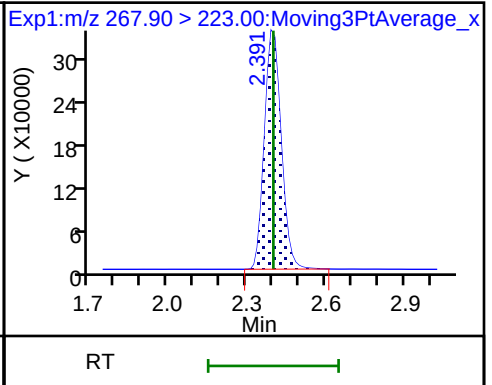
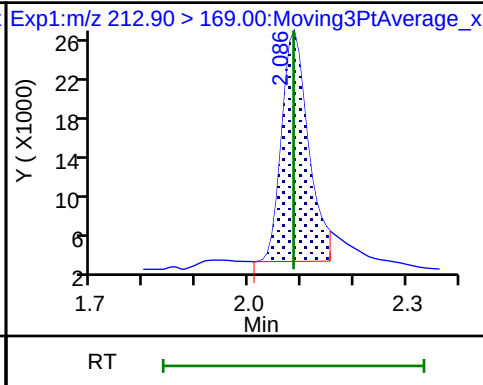
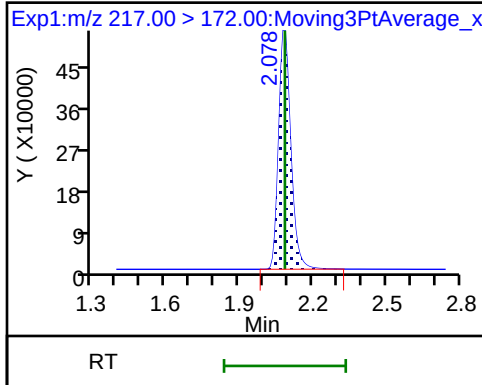
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA (M)

2 Perfluorobutanoic acid (M)

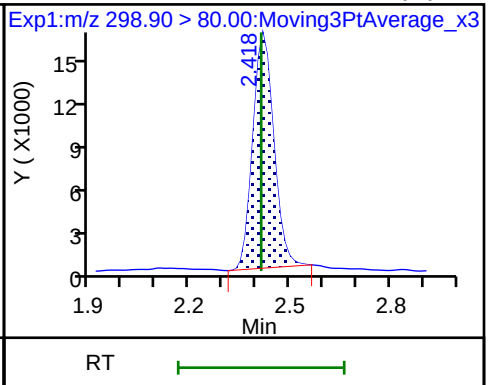
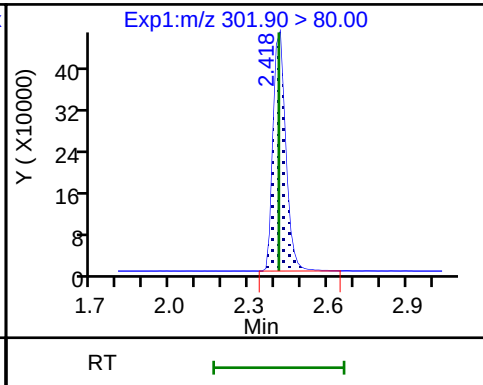
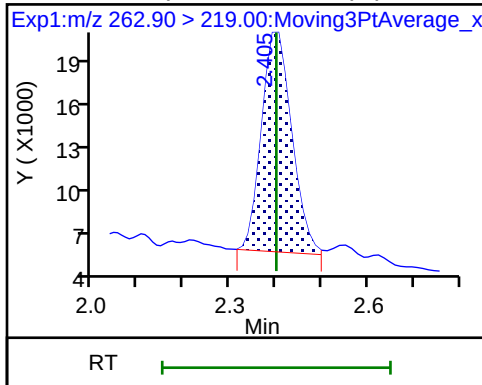
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

D 47 13C3 PFBS

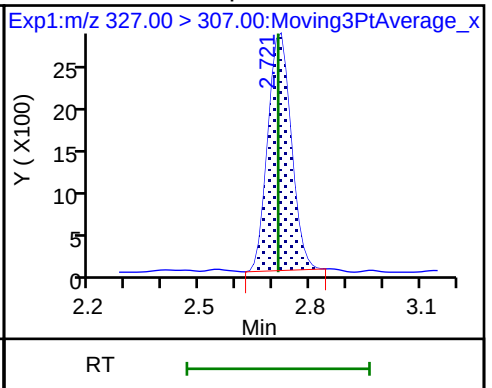
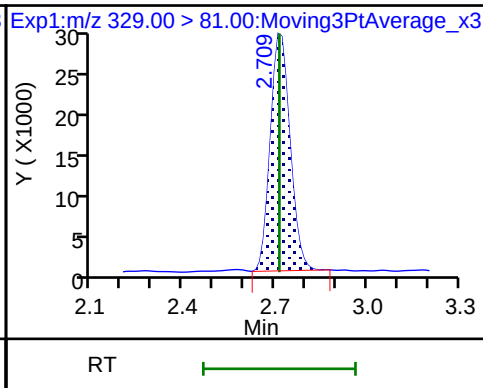
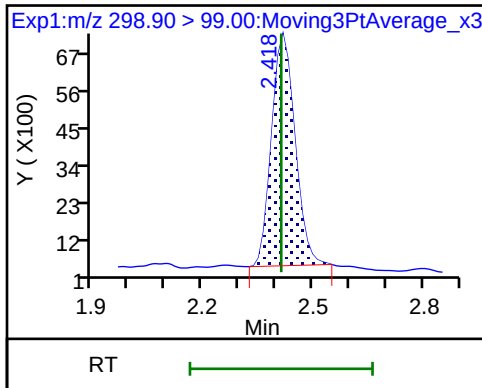
5 Perfluorobutanesulfonic acid (M)



5 Perfluorobutanesulfonic acid

D 60 M2-4:2 FTS

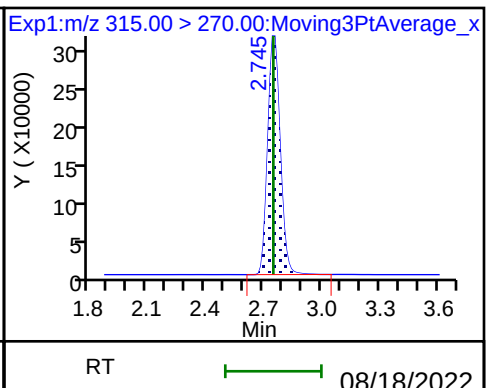
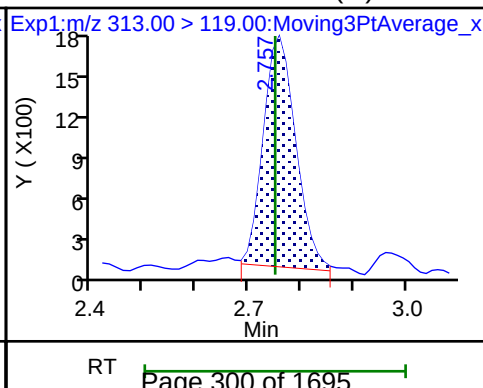
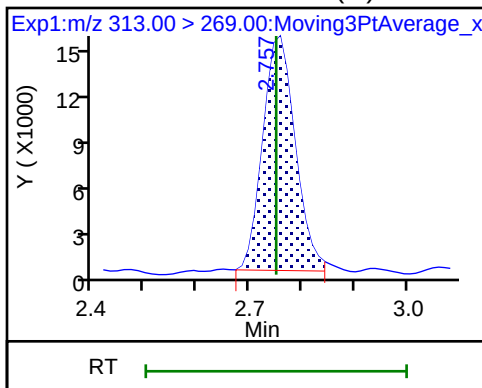
61 1H,1H,2H,2H-perfluorohexanesulfo



6 Perfluorohexanoic acid (M)

6 Perfluorohexanoic acid (M)

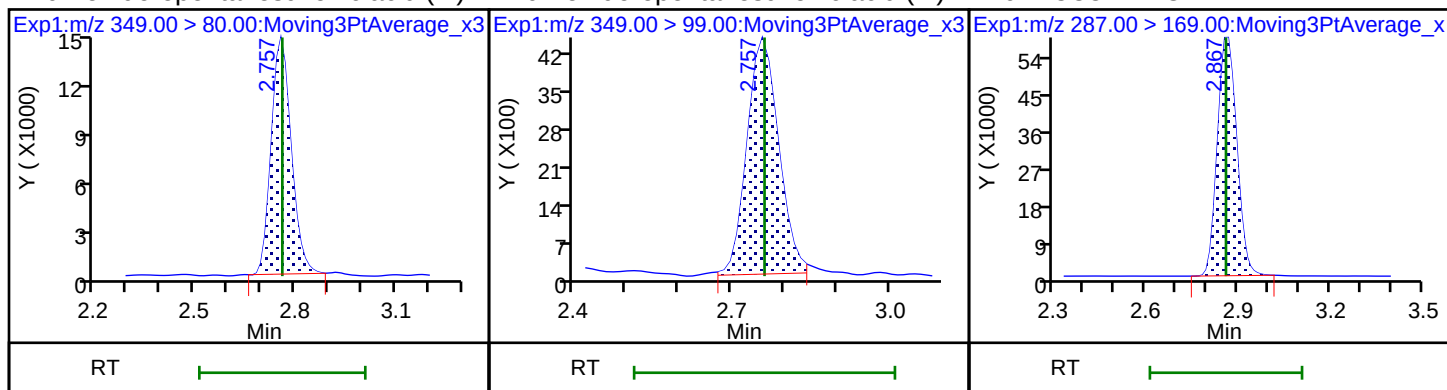
D 7 13C2 PFHxA



70 Perfluoropentanesulfonic acid (M)

70 Perfluoropentanesulfonic acid (M)

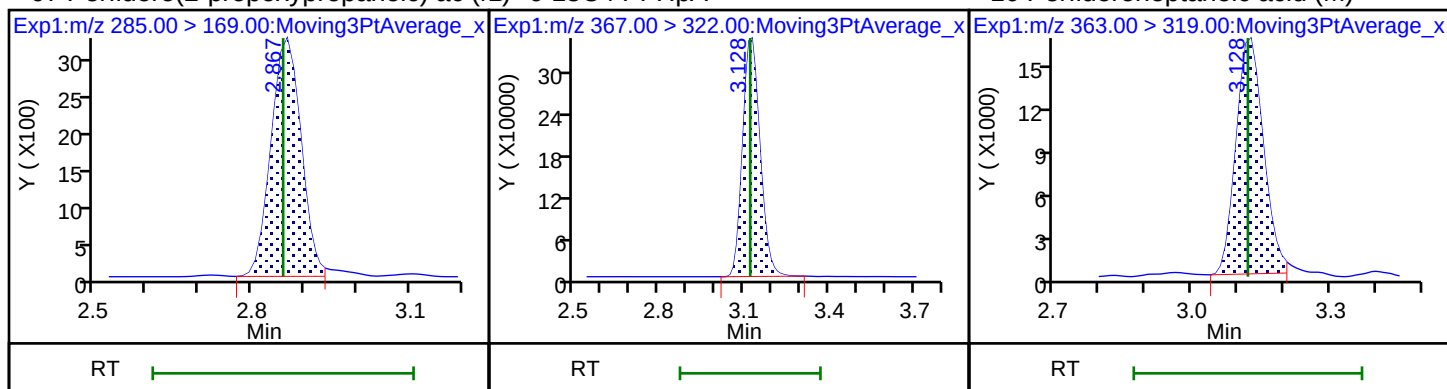
D 64 13C3 HFPO-DA



67 Perfluoro(2-propoxypropanoic) ac (M)

9 13C4 PFHpA

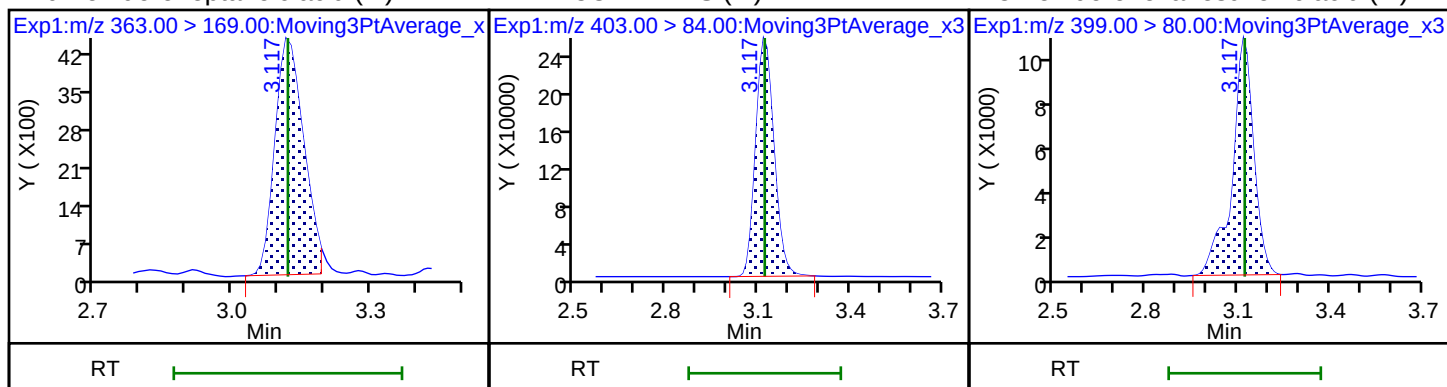
10 Perfluoroheptanoic acid (M)



10 Perfluoroheptanoic acid (M)

D 11 18O2 PFHxS (M)

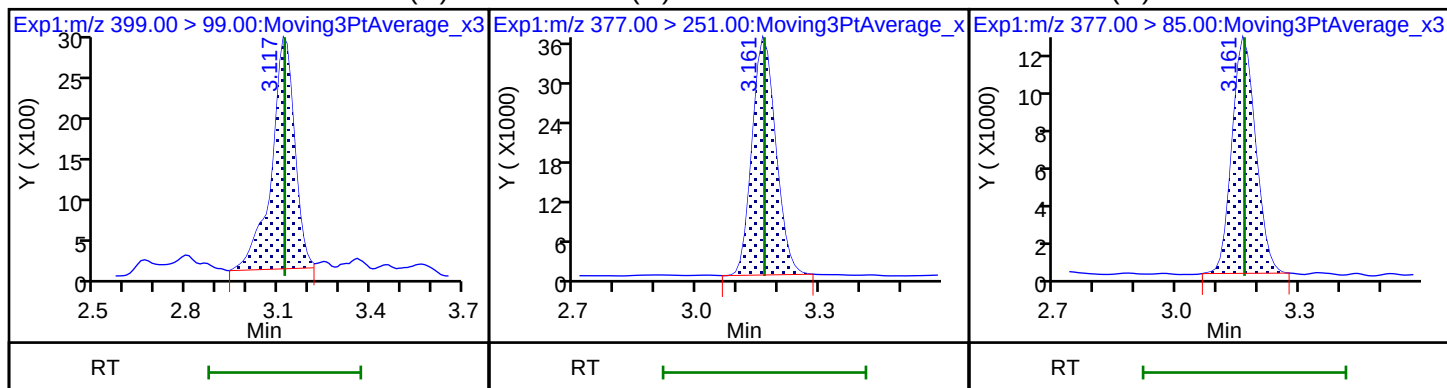
8 Perfluorohexanesulfonic acid (M)



8 Perfluorohexanesulfonic acid (M)

77 DONA (M)

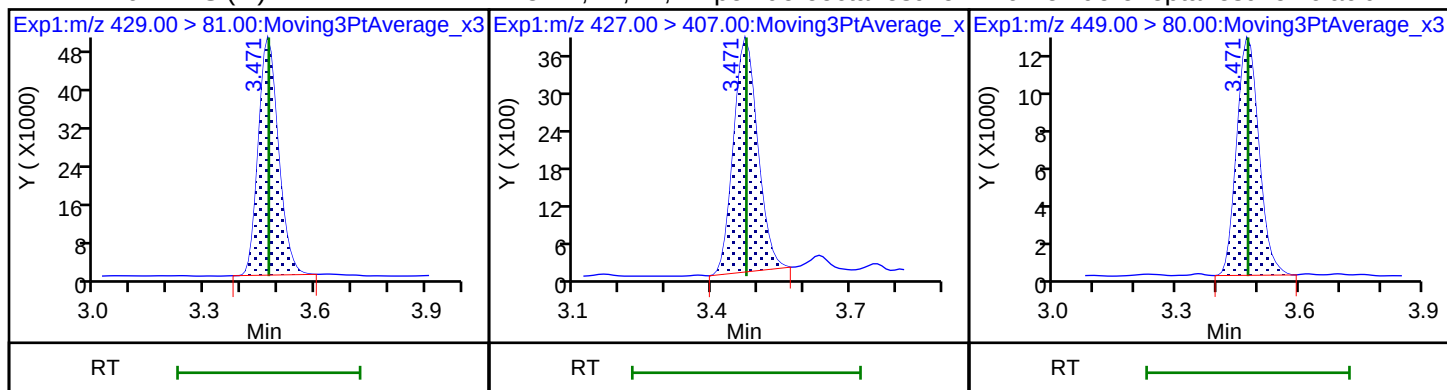
77 DONA (M)



D 12 M2-6:2 FTS (M)

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

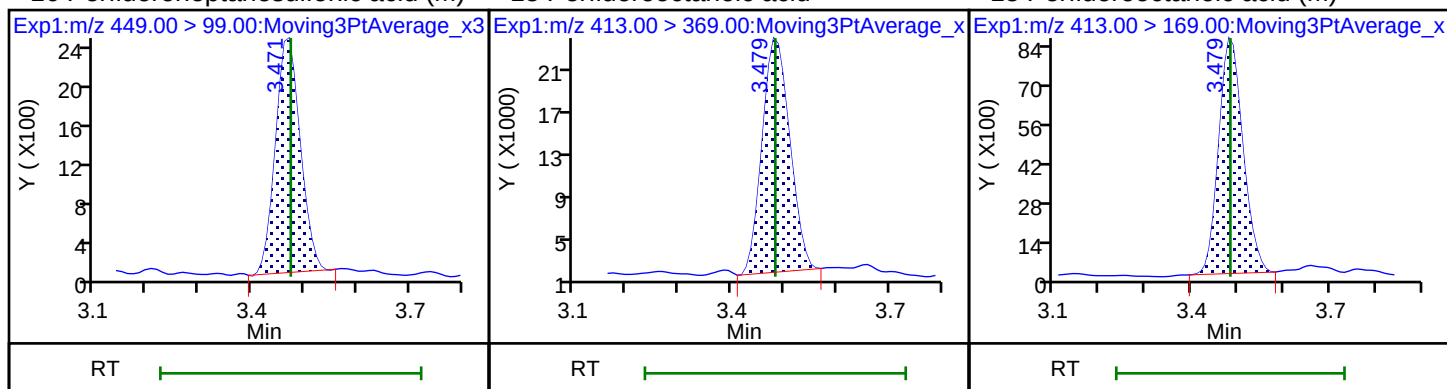
16 Perfluoroheptanesulfonic acid



16 Perfluoroheptanesulfonic acid (M)

15 Perfluorooctanoic acid

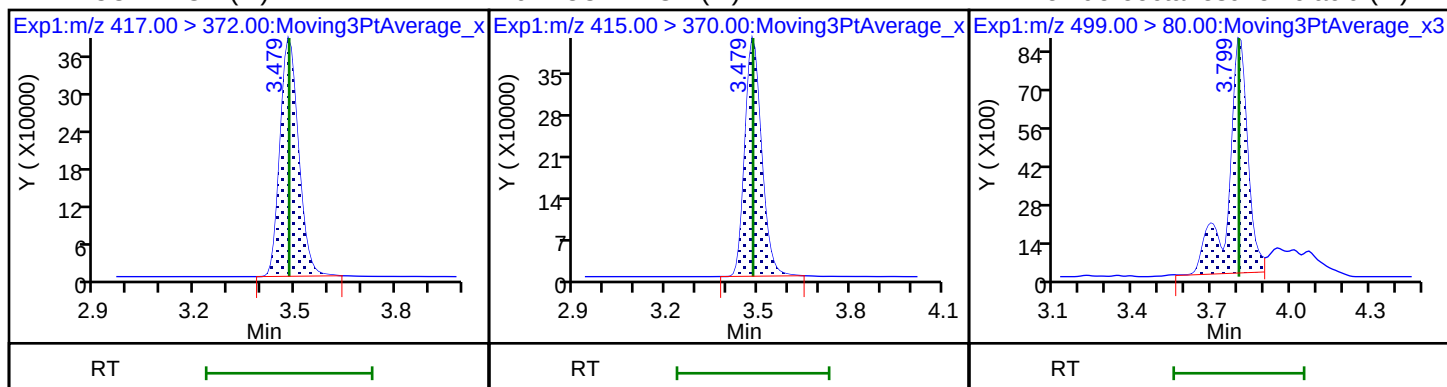
15 Perfluorooctanoic acid (M)



D 14 13C4 PFOA (M)

* 62 13C2 PFOA (M)

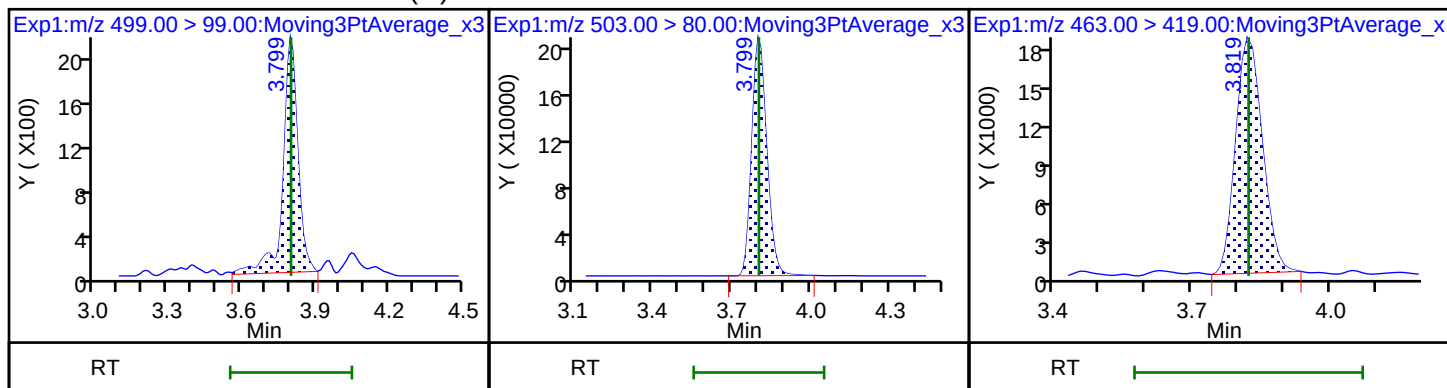
17 Perfluorooctanesulfonic acid (M)

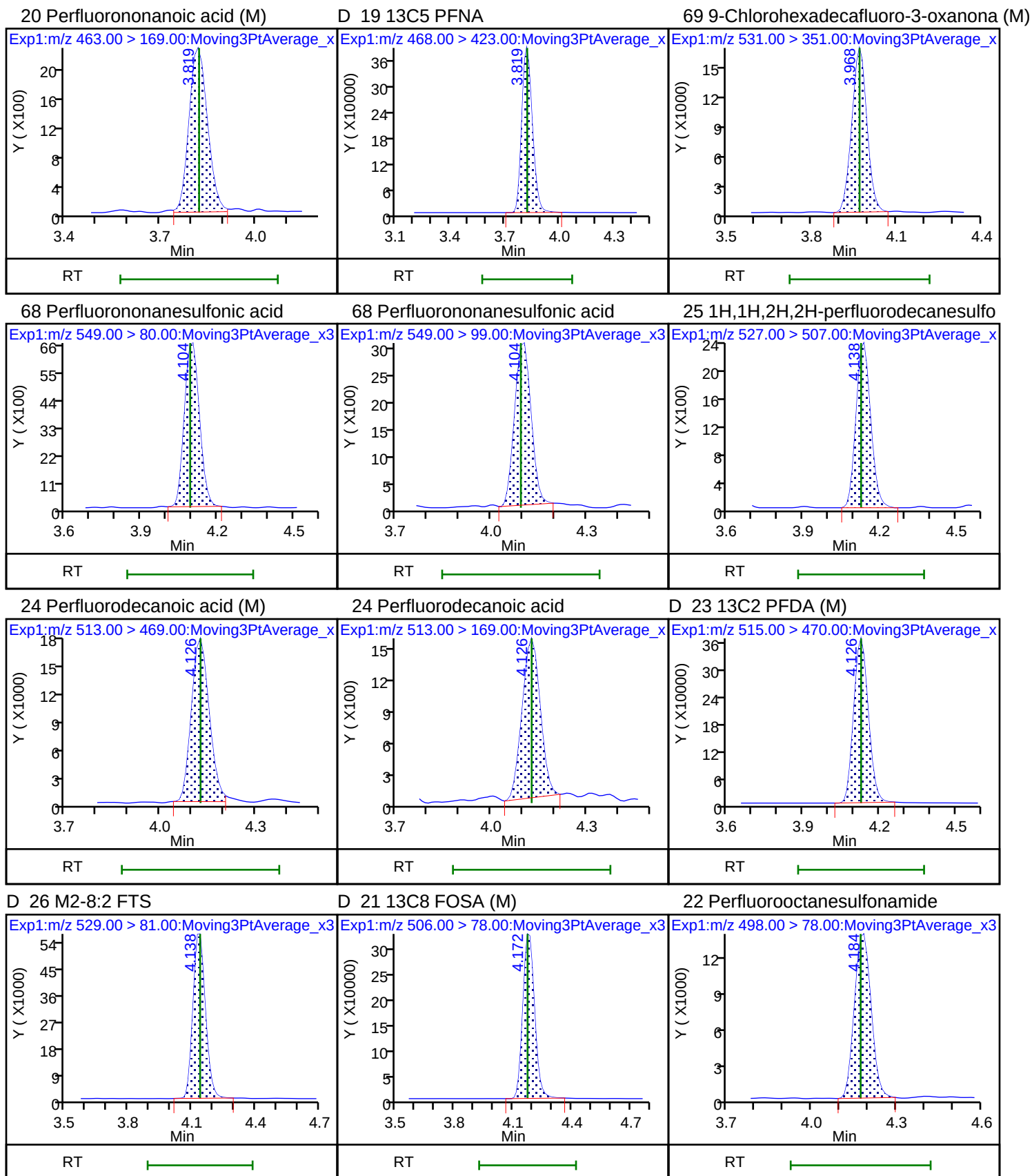


17 Perfluorooctanesulfonic acid (M)

D 18 13C4 PFOS

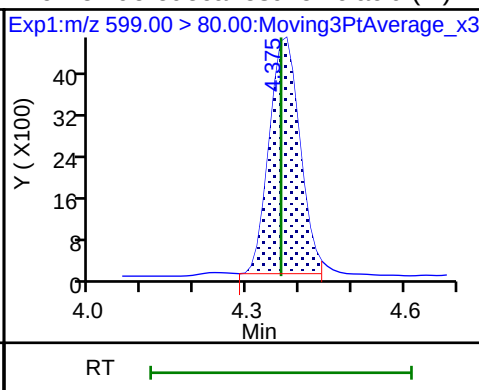
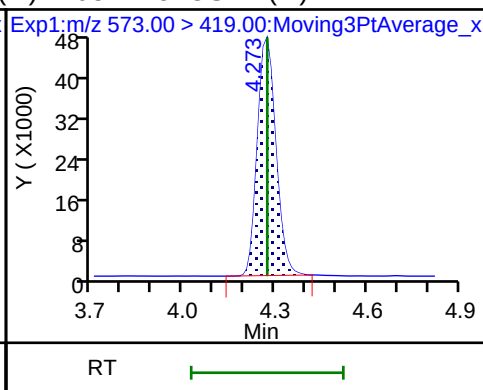
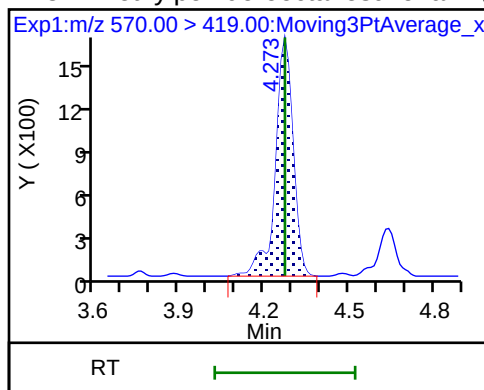
20 Perfluorononanoic acid





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

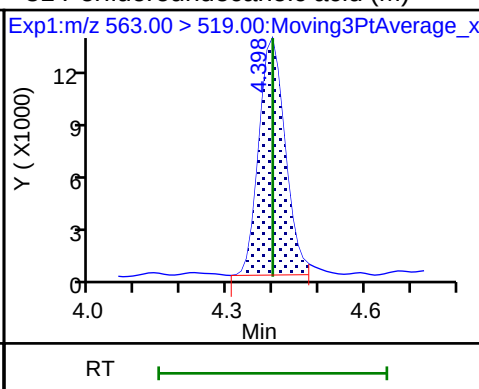
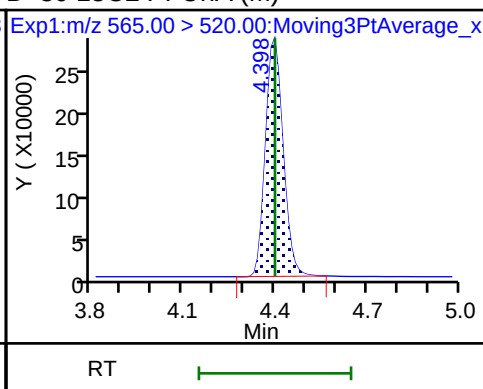
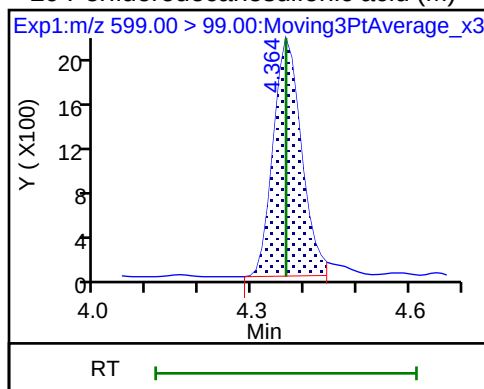
29 Perfluorodecanesulfonic acid (M)



29 Perfluorodecanesulfonic acid (M)

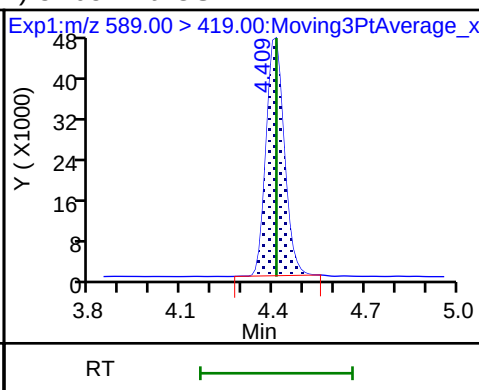
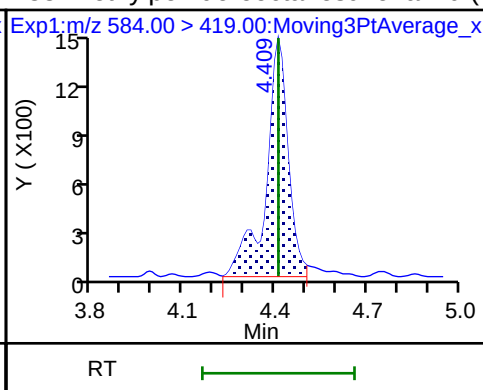
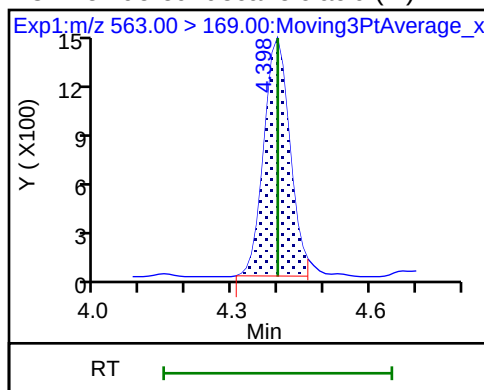
D 30 13C2 PFUnA (M)

31 Perfluoroundecanoic acid (M)



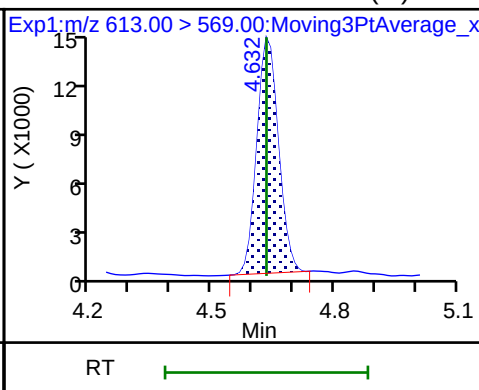
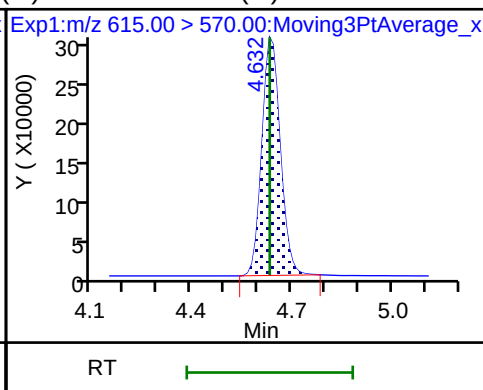
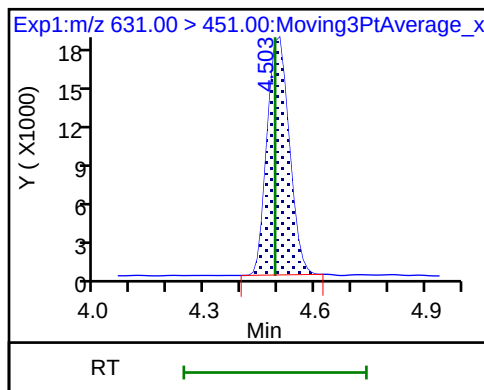
31 Perfluoroundecanoic acid (M)

33 N-ethylperfluorooctanesulfonamid (M) 32 d5-NEtFOSAA



66 11-Chloroeicosafluoro-3-oxaundec (M) 36 13C2 PFDa (M)

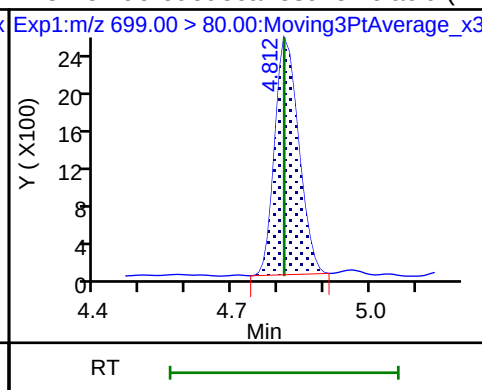
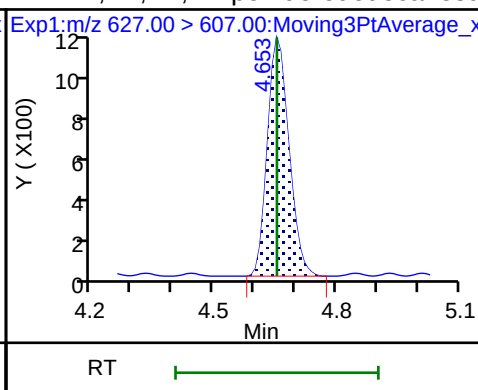
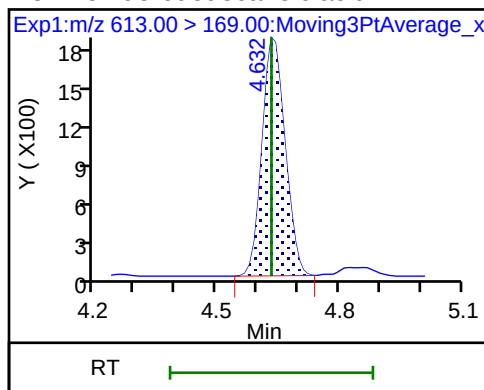
37 Perfluorododecanoic acid (M)



37 Perfluorododecanoic acid

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

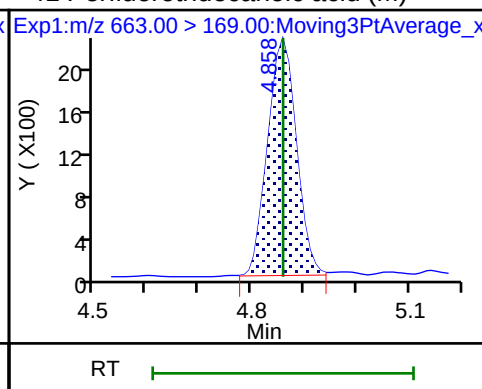
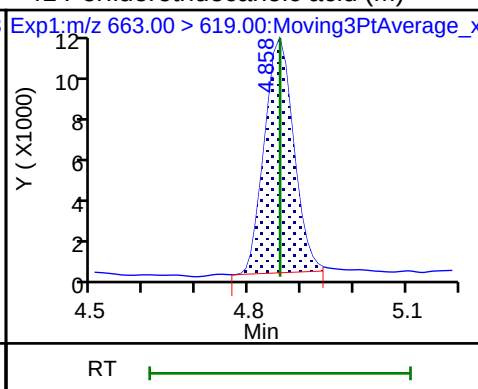
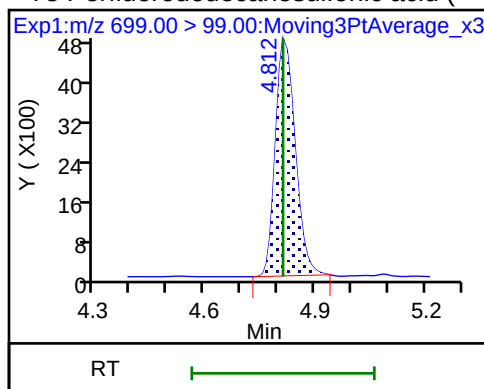
75 Perfluorododecanesulfonic acid (



75 Perfluorododecanesulfonic acid (

41 Perfluorotridecanoic acid (M)

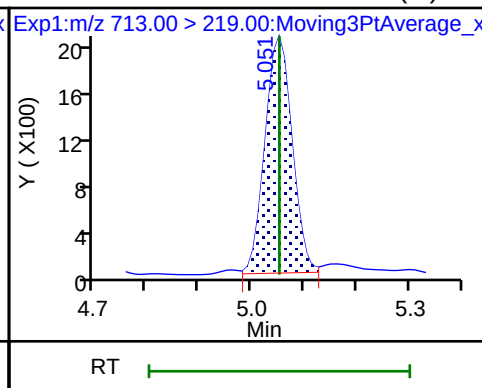
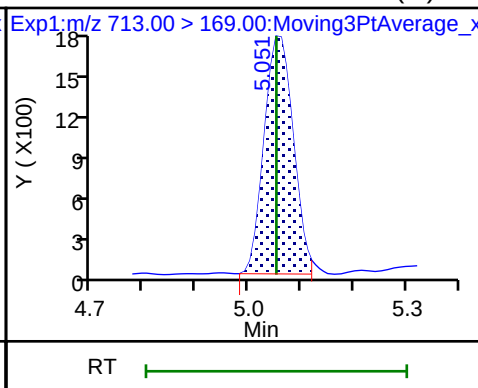
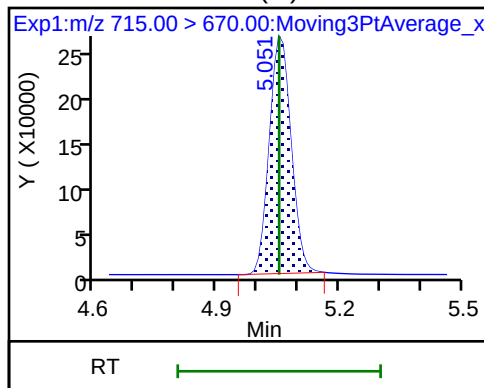
41 Perfluorotridecanoic acid (M)



D 43 13C2 PFTeDA (M)

42 Perfluorotetradecanoic acid (M)

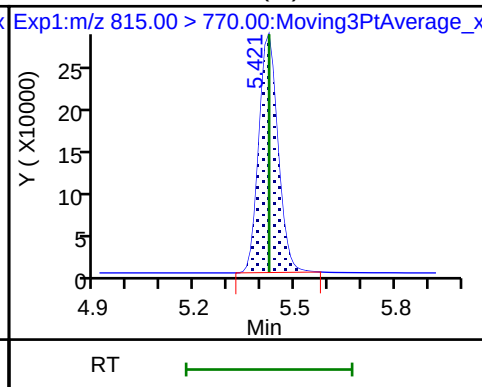
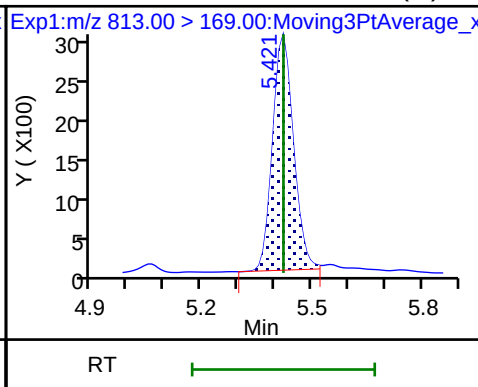
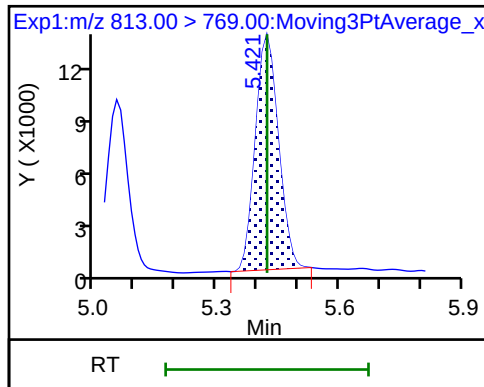
42 Perfluorotetradecanoic acid (M)



45 Perfluorohexadecanoic acid

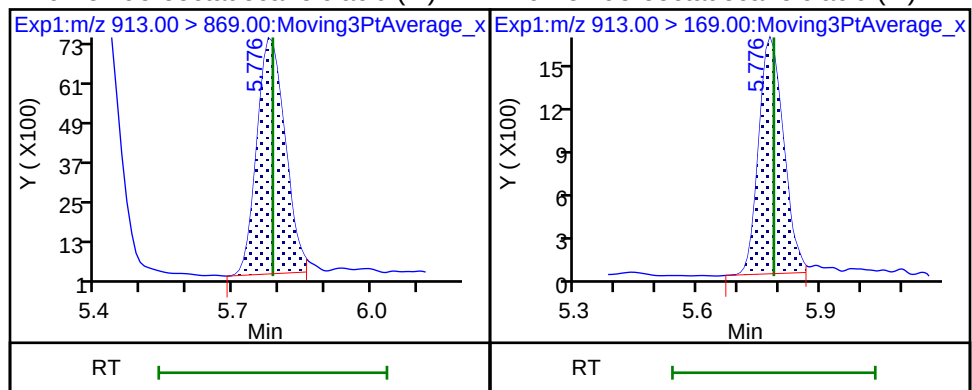
45 Perfluorohexadecanoic acid (M)

D 44 13C2 PFHxDA (M)



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

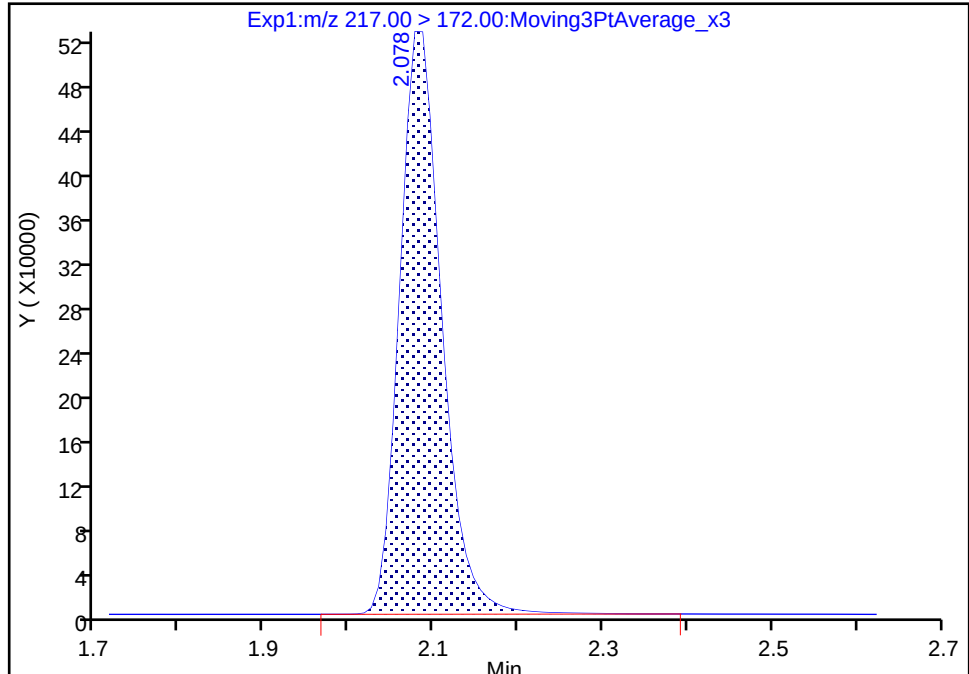
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 1 13C4 PFBA, CAS: STL00992

Signal: 1

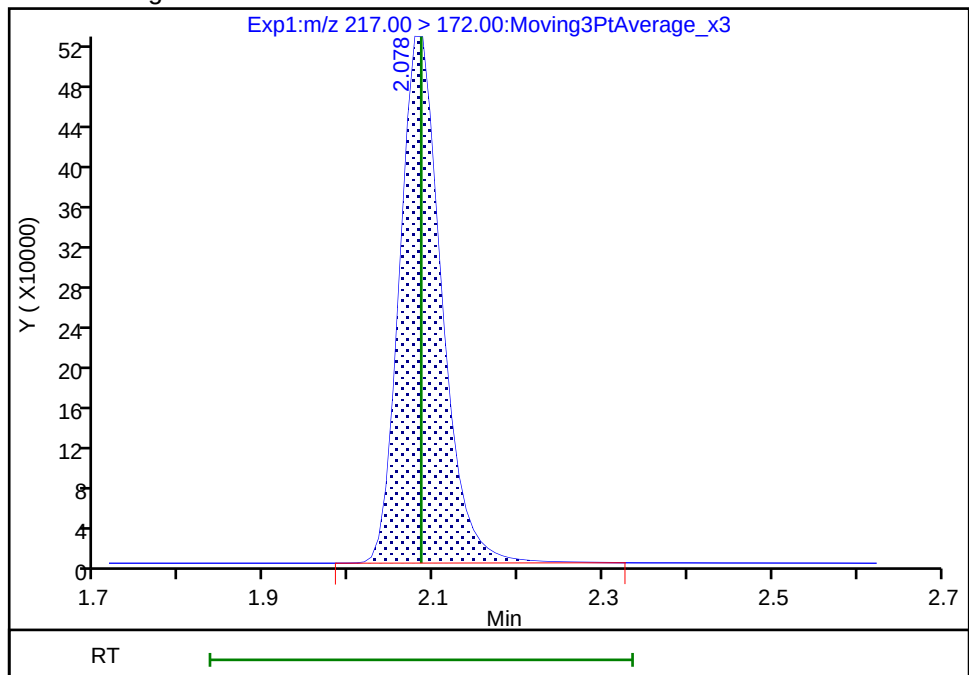
RT: 2.08
Area: 1802999
Amount: 1.250000
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

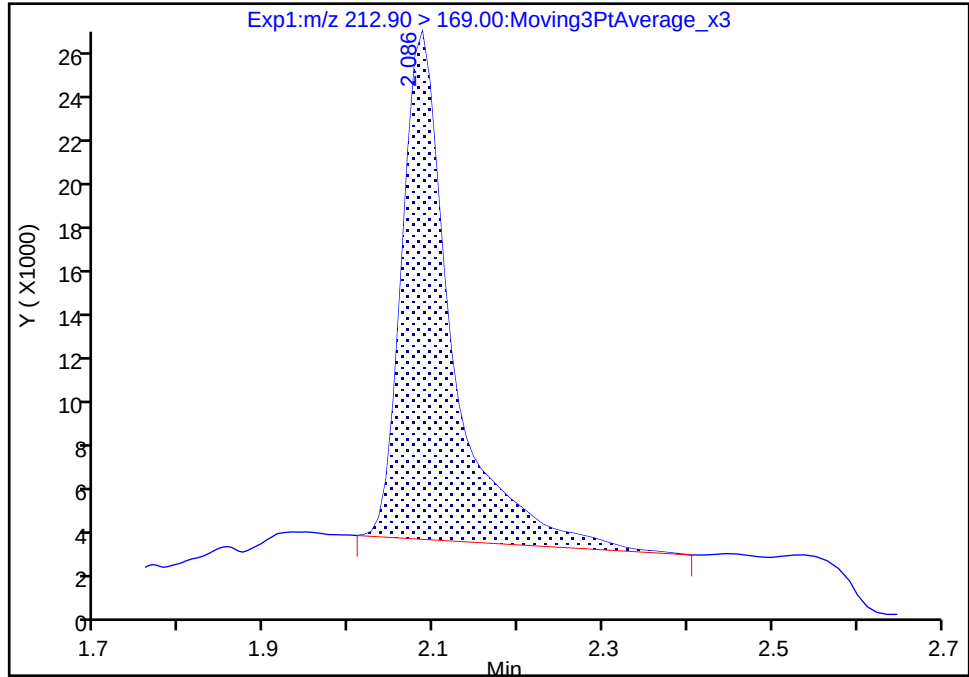
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

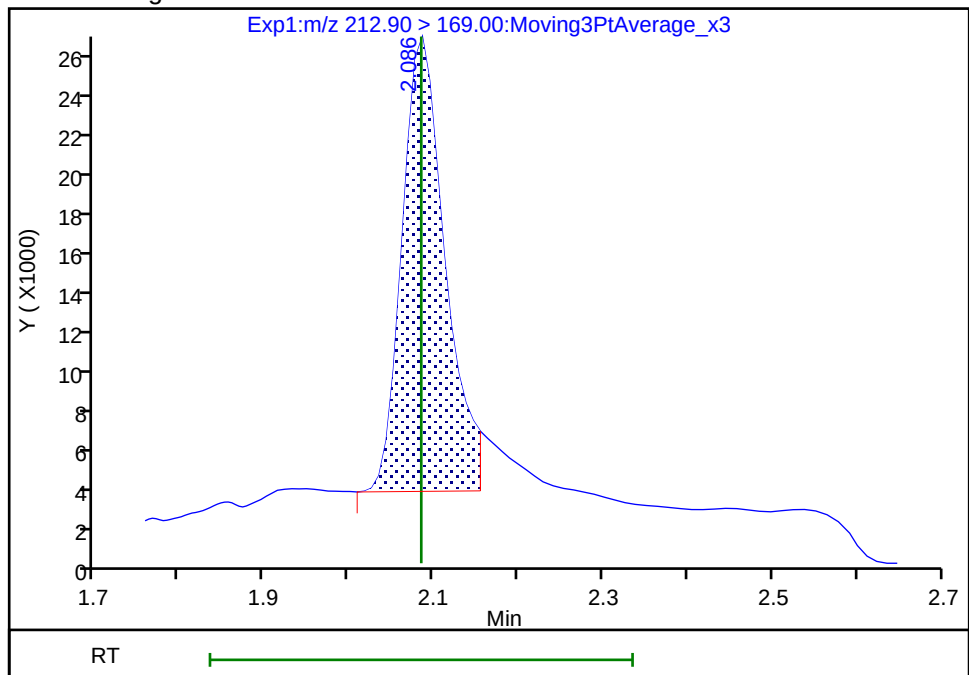
RT: 2.09
Area: 93673
Amount: 0.065648
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

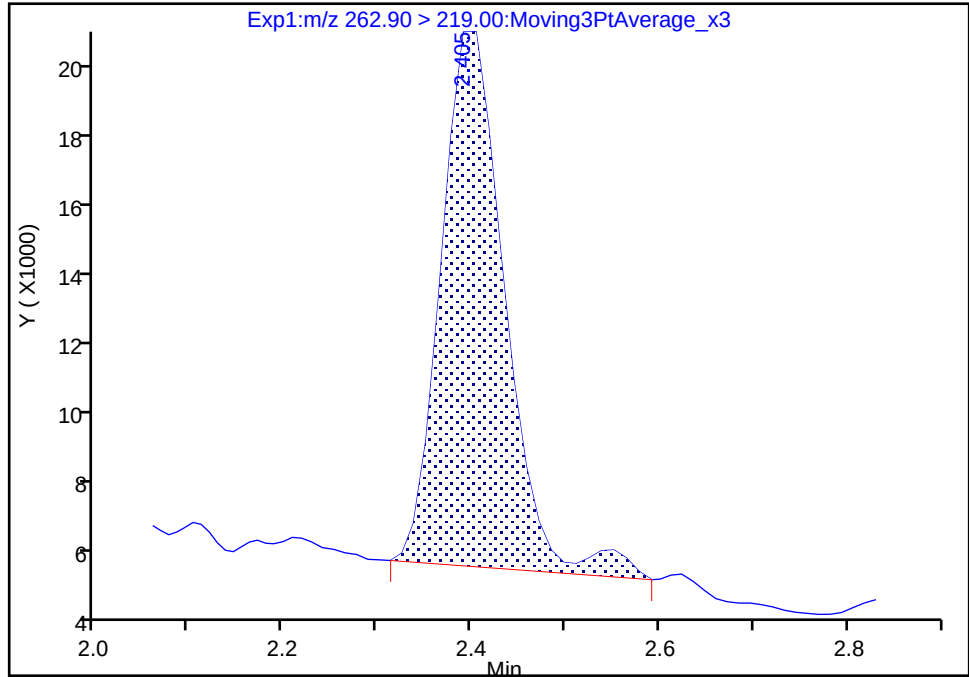
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

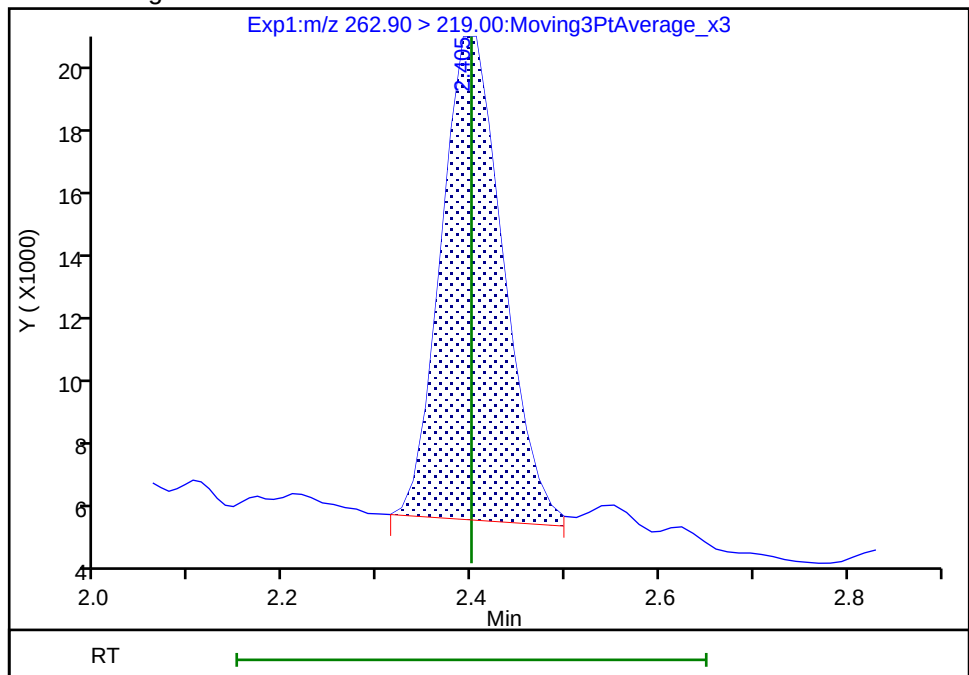
RT: 2.40
Area: 67952
Amount: 0.055488
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

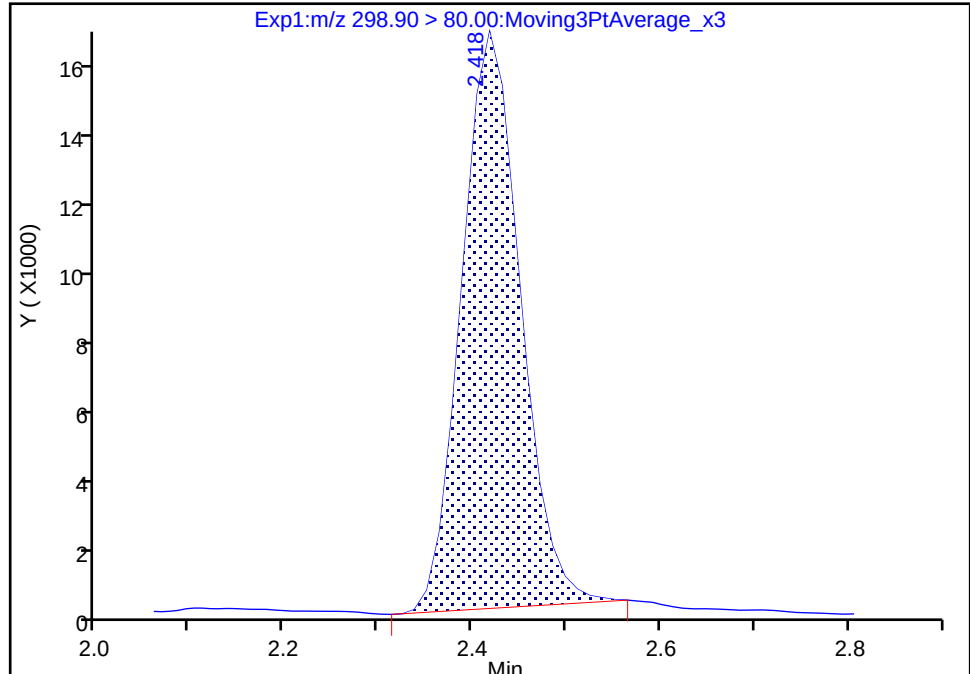
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

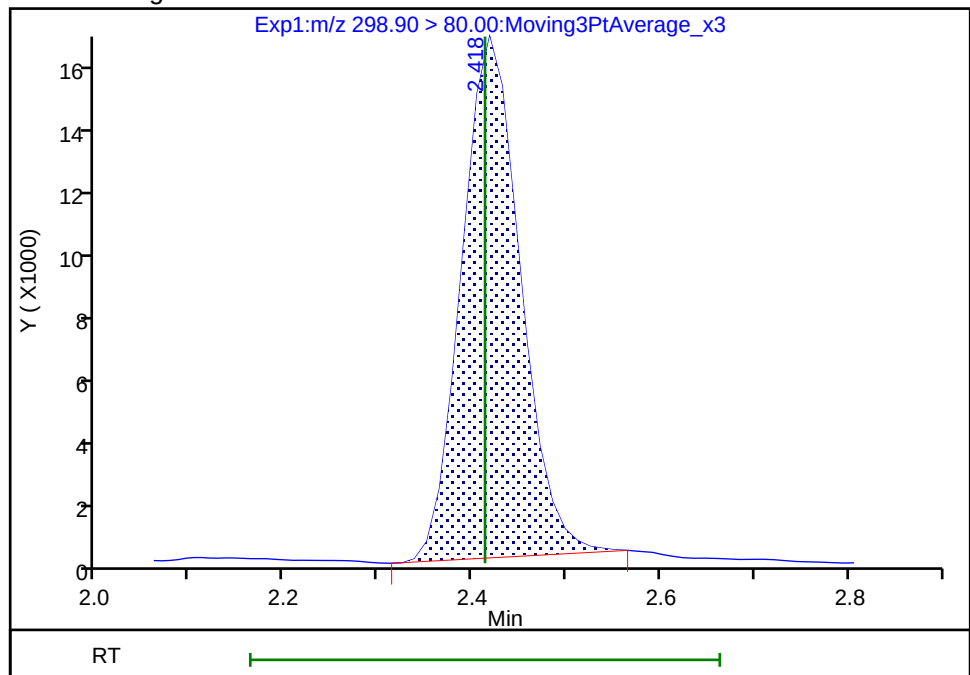
RT: 2.42
Area: 69137
Amount: 0.048271
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

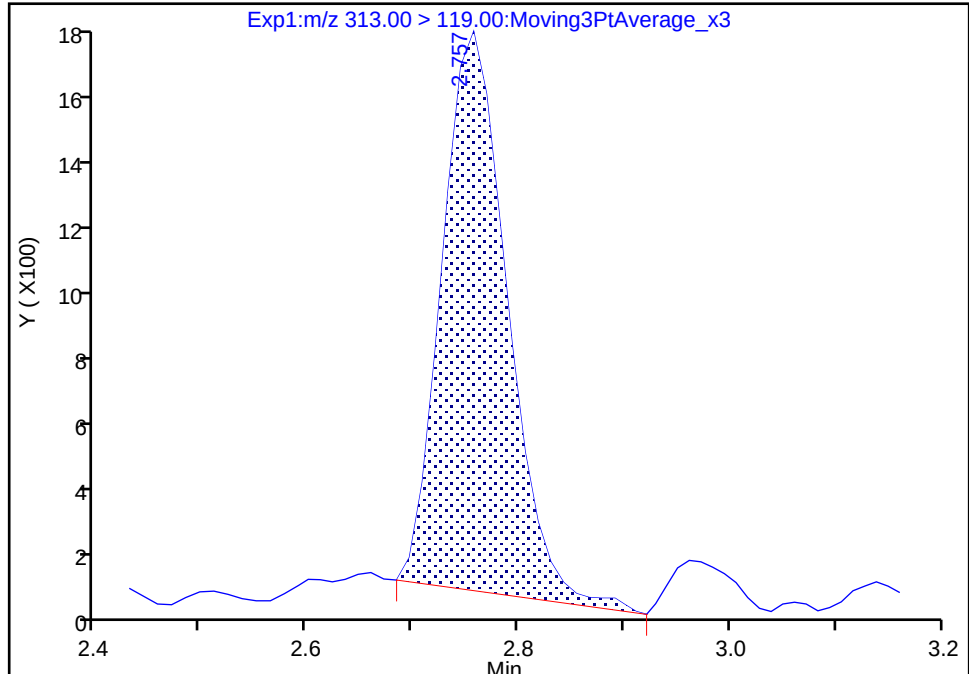
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

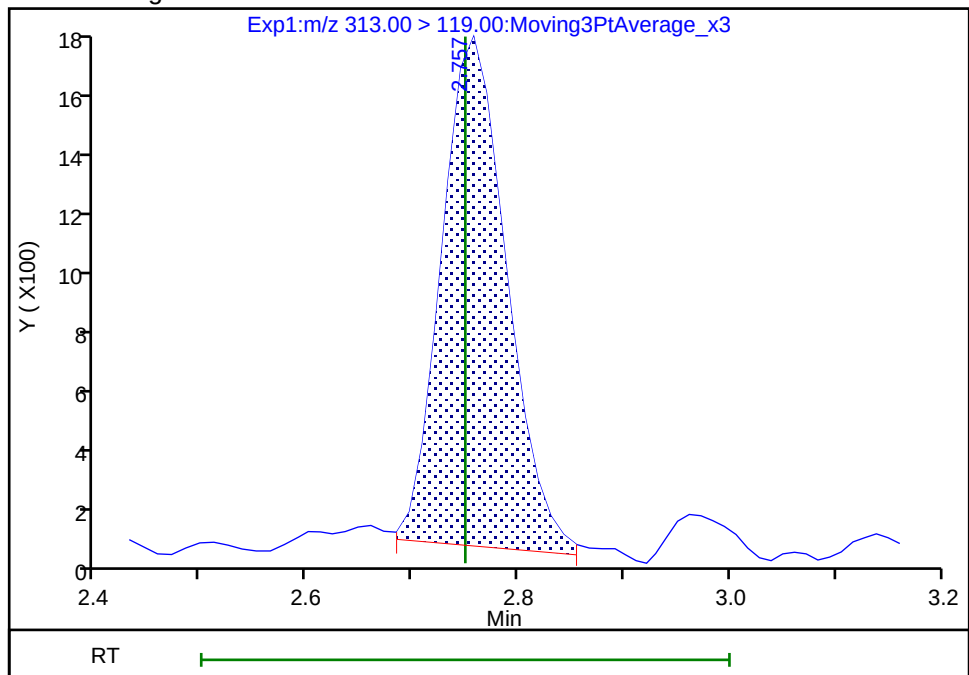
RT: 2.76
Area: 6724
Amount: 0.051926
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

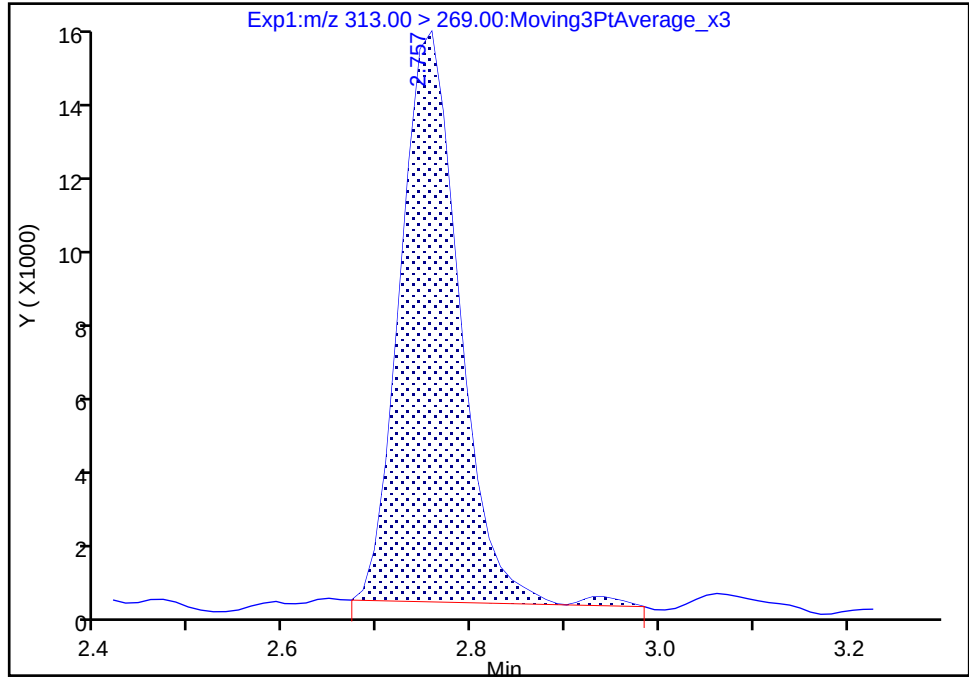
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

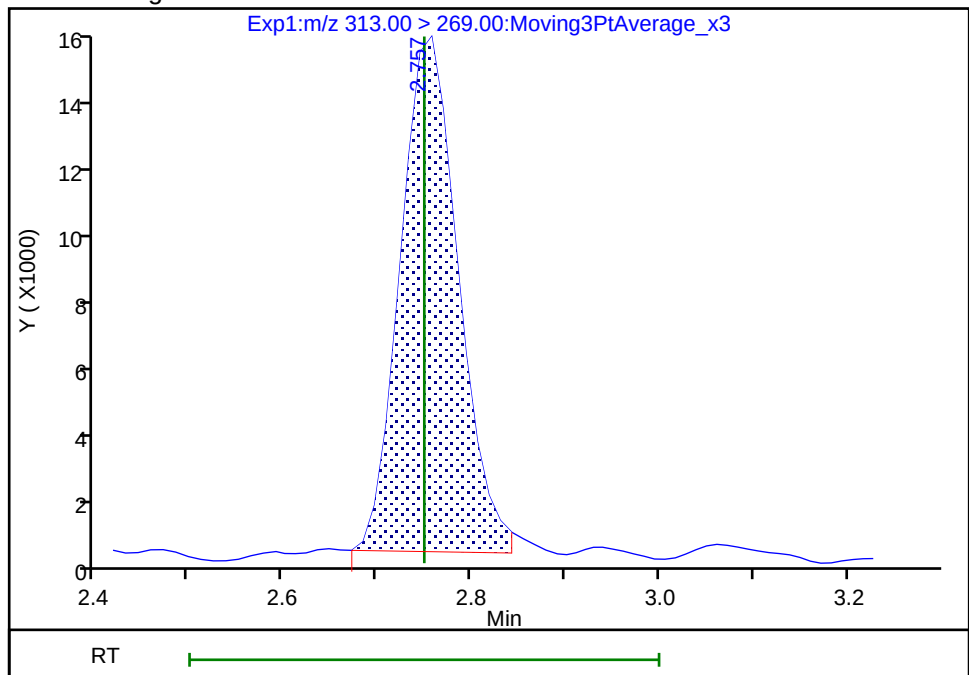
RT: 2.76
Area: 63395
Amount: 0.051926
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

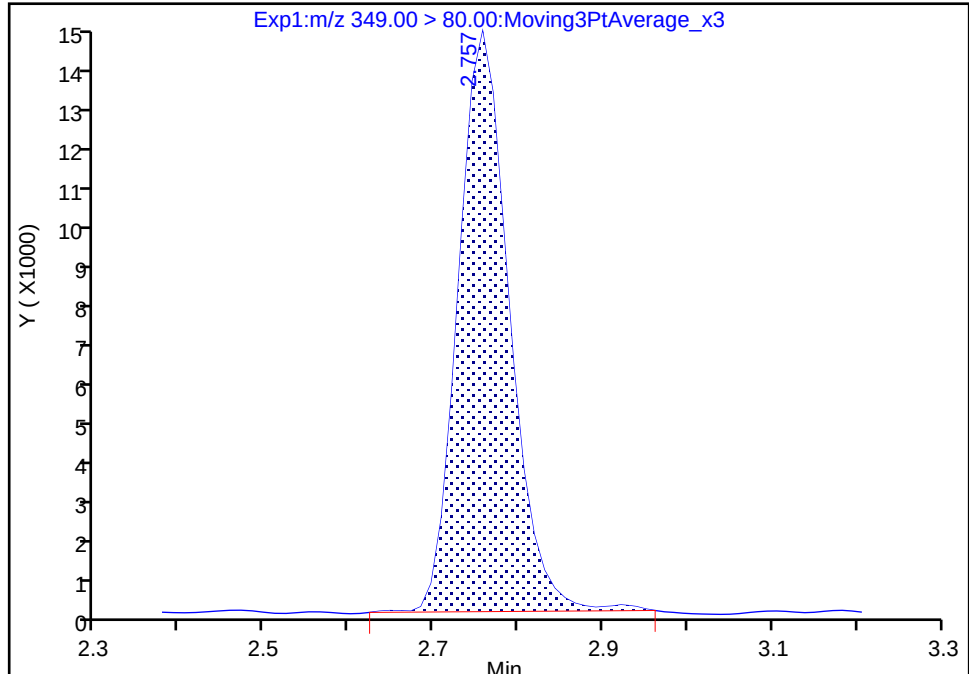
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 1

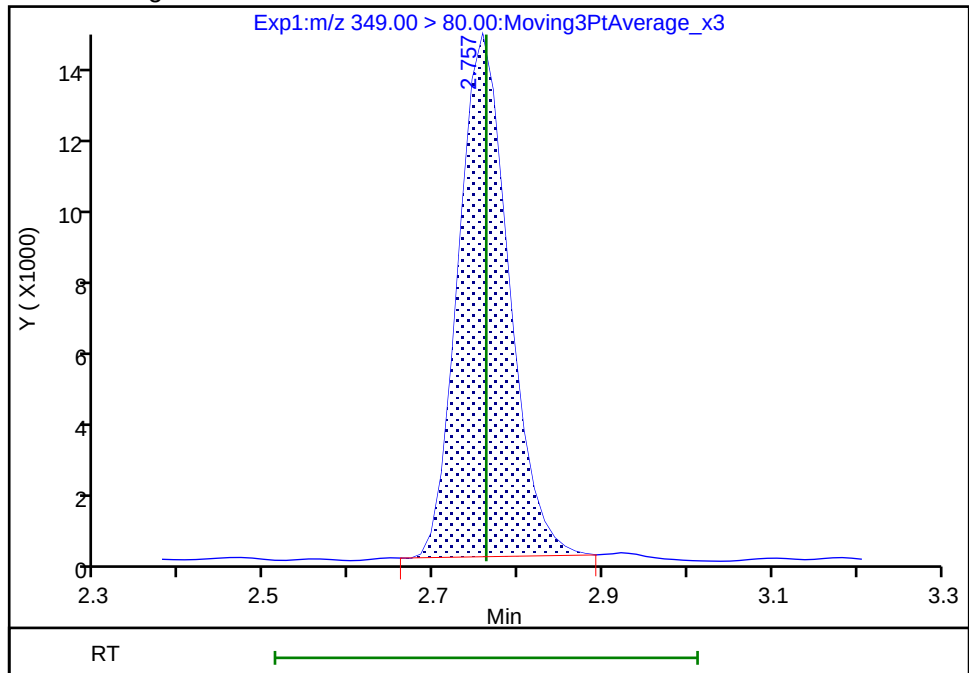
RT: 2.76
Area: 59644
Amount: 0.052502
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

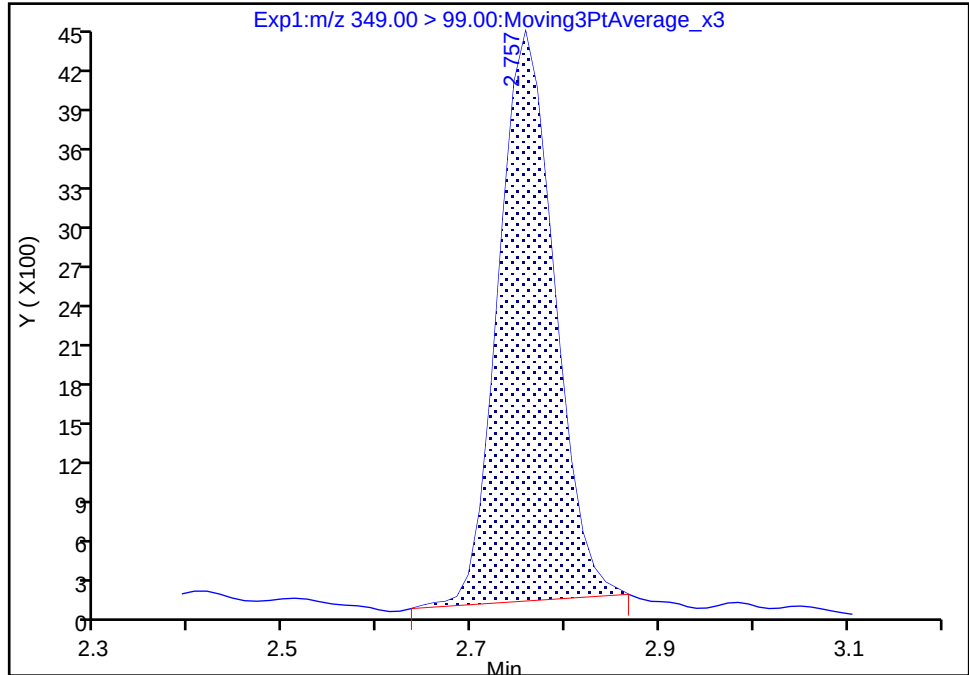
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 2

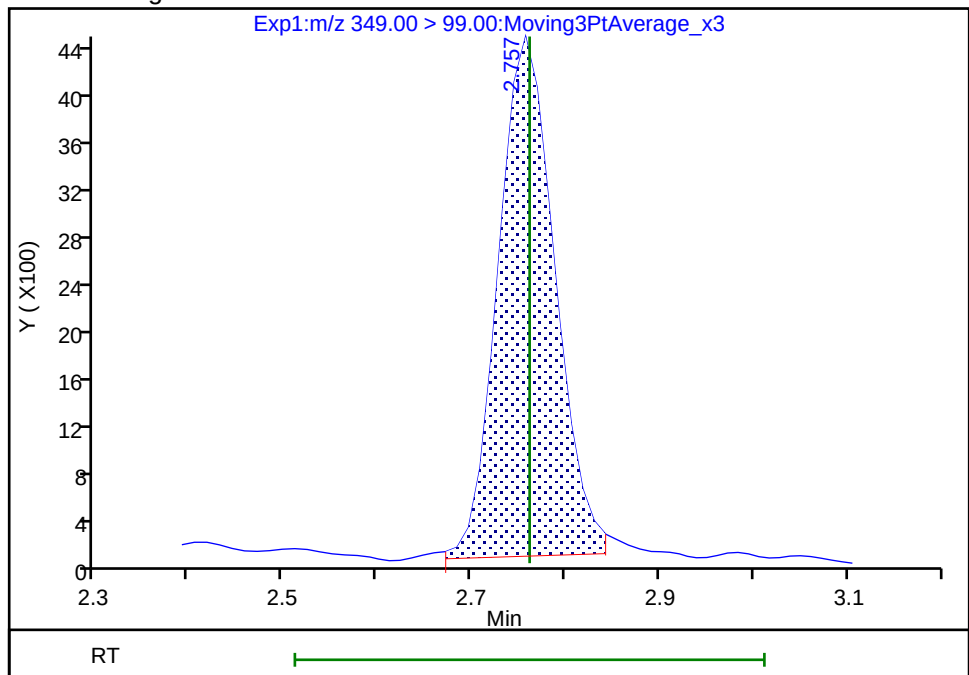
RT: 2.76
Area: 18088
Amount: 0.052502
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

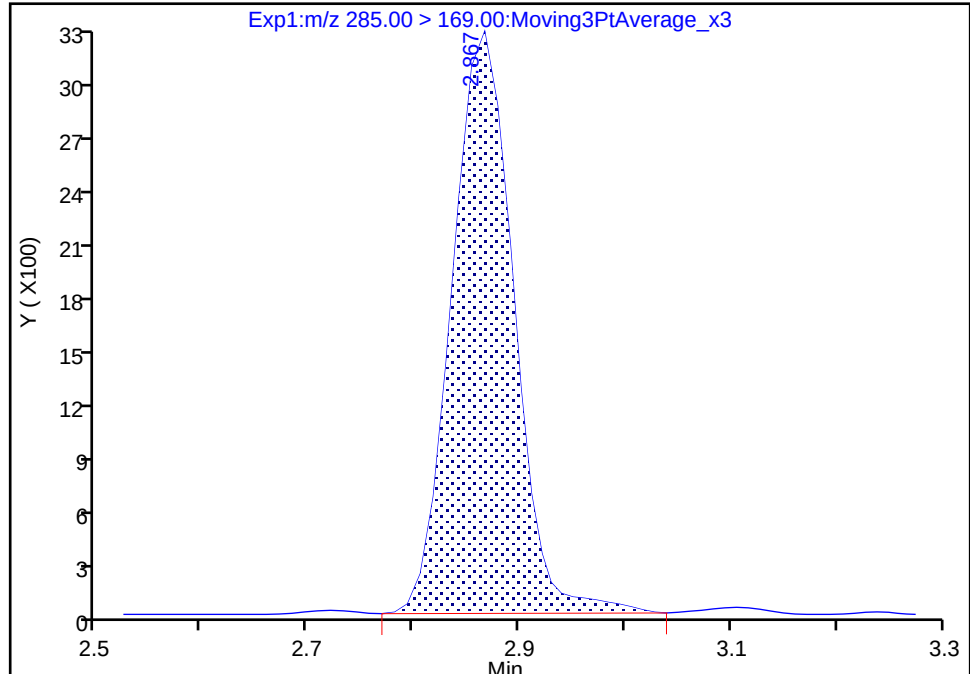
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

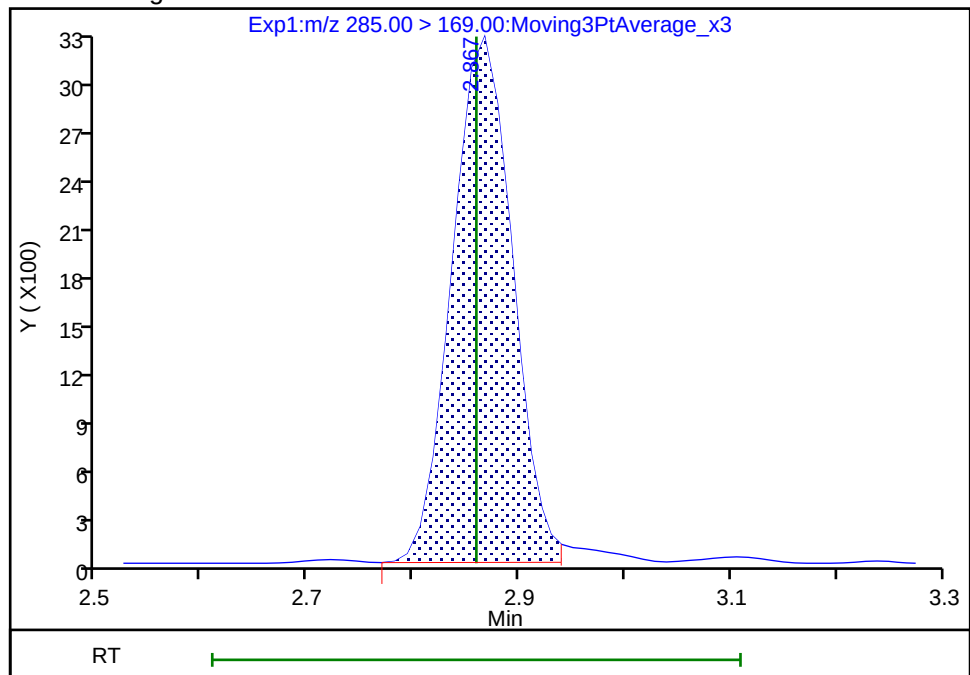
RT: 2.87
Area: 13396
Amount: 0.058297
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

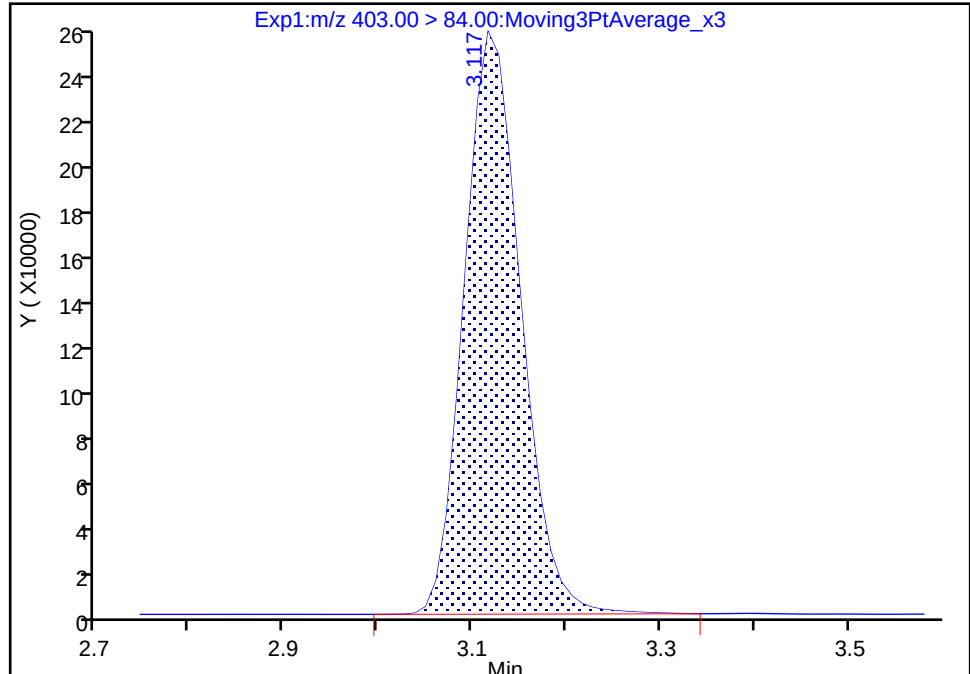
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 11 18O2 PFHxS, CAS: STL00994

Signal: 1

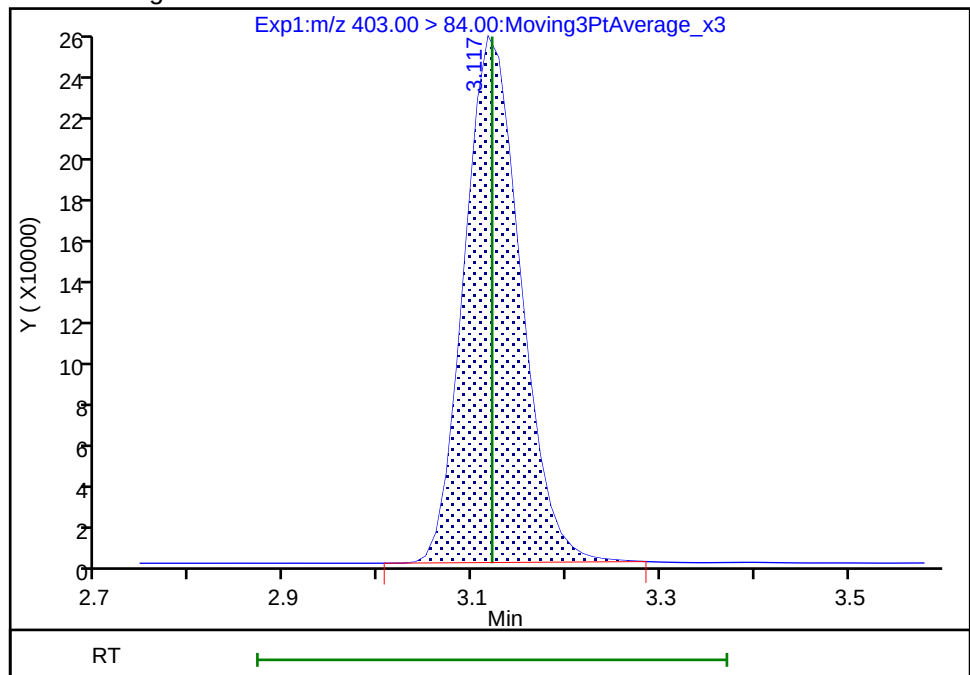
RT: 3.12
Area: 1071931
Amount: 0.971660
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:17:42

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

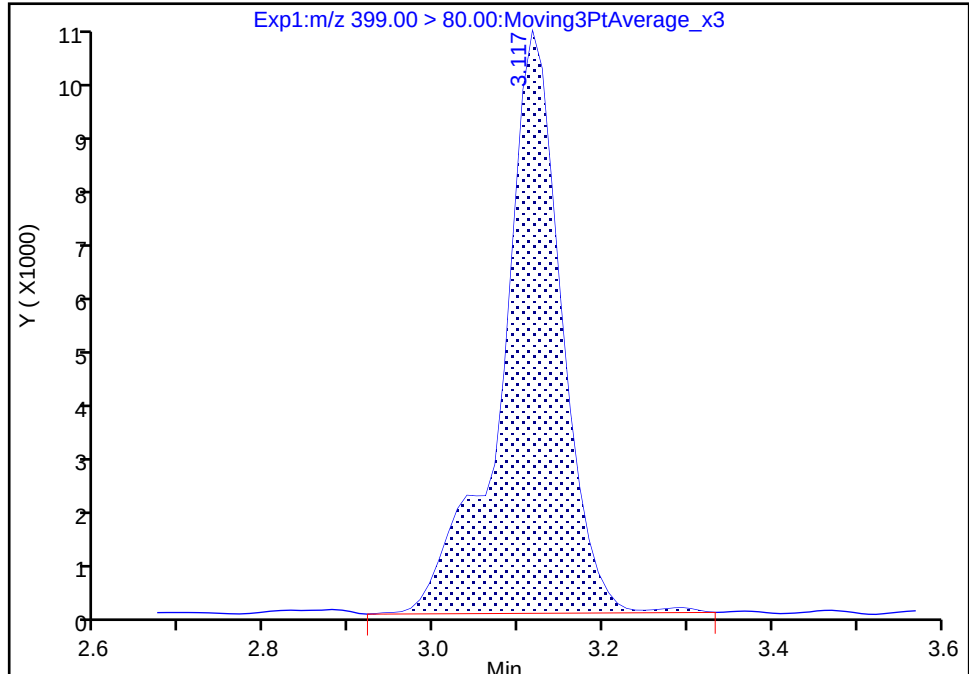
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

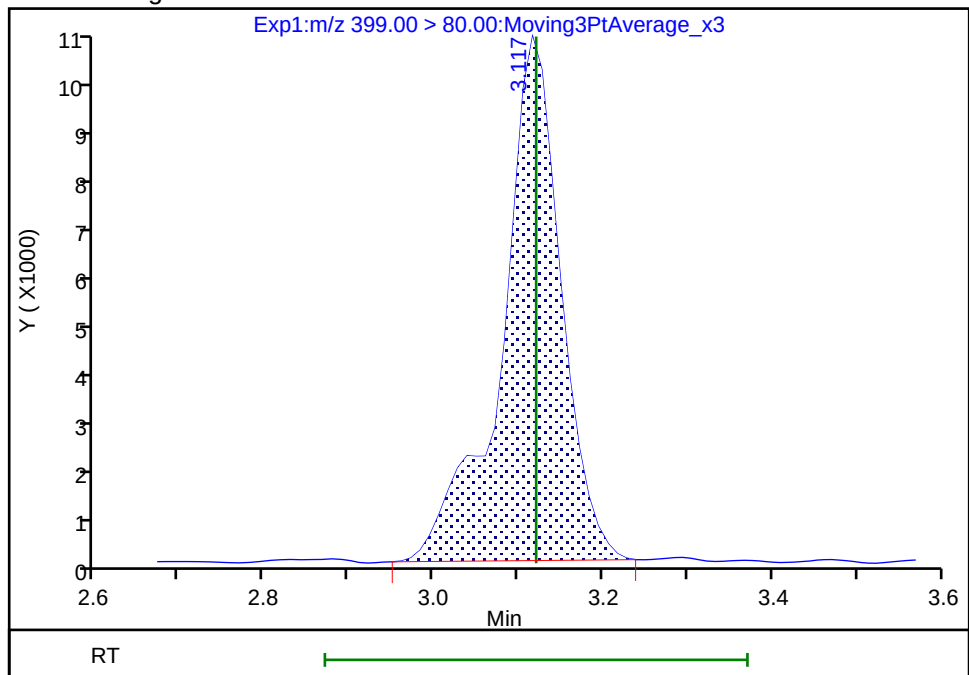
RT: 3.12
Area: 52784
Amount: 0.052258
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

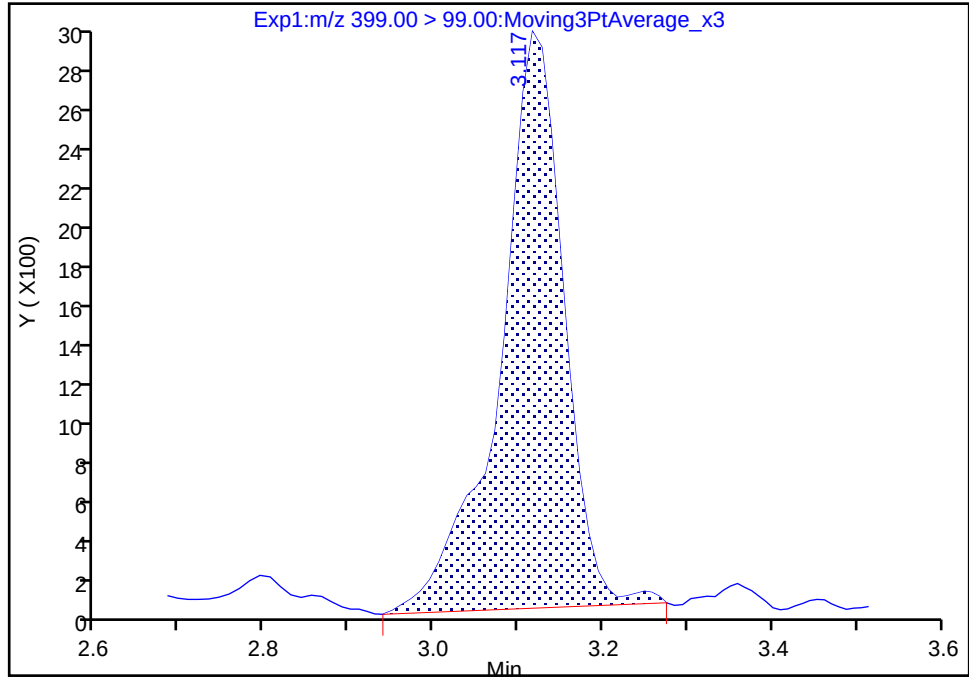
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

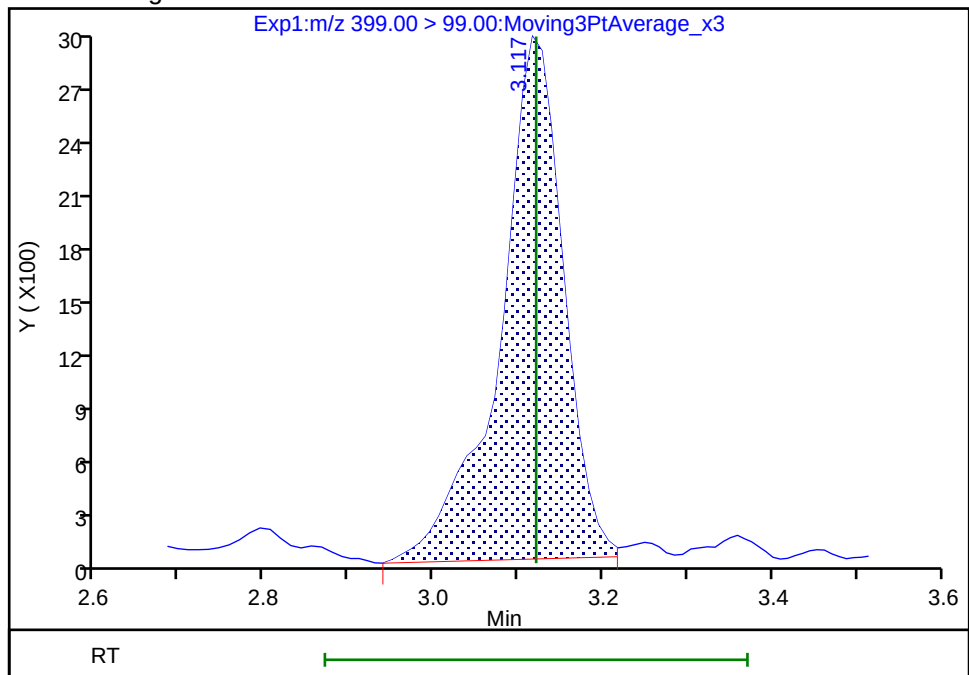
RT: 3.12
Area: 15210
Amount: 0.052258
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

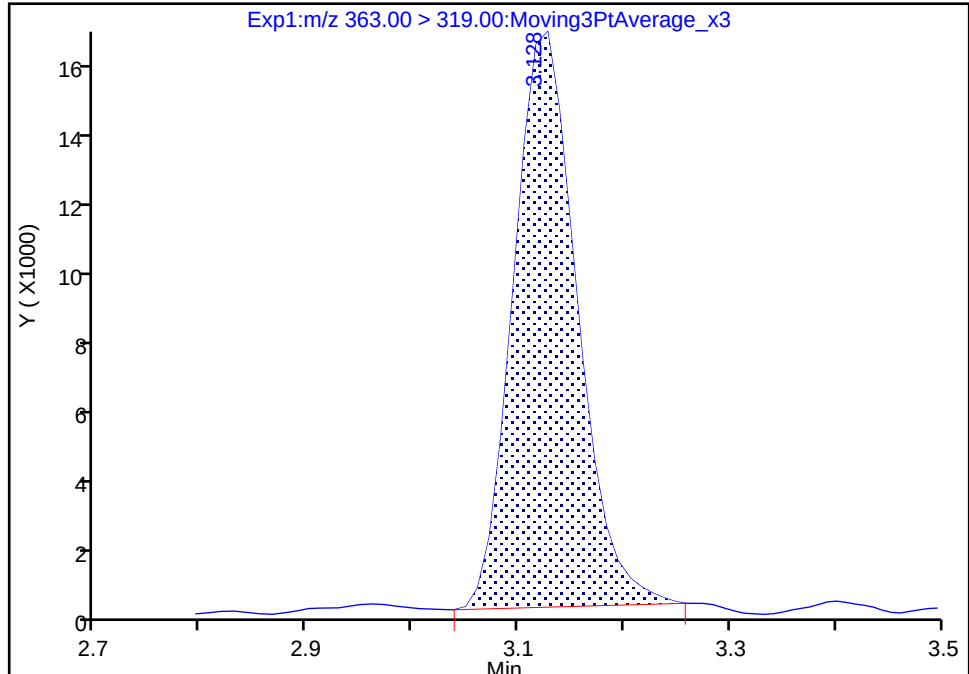
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

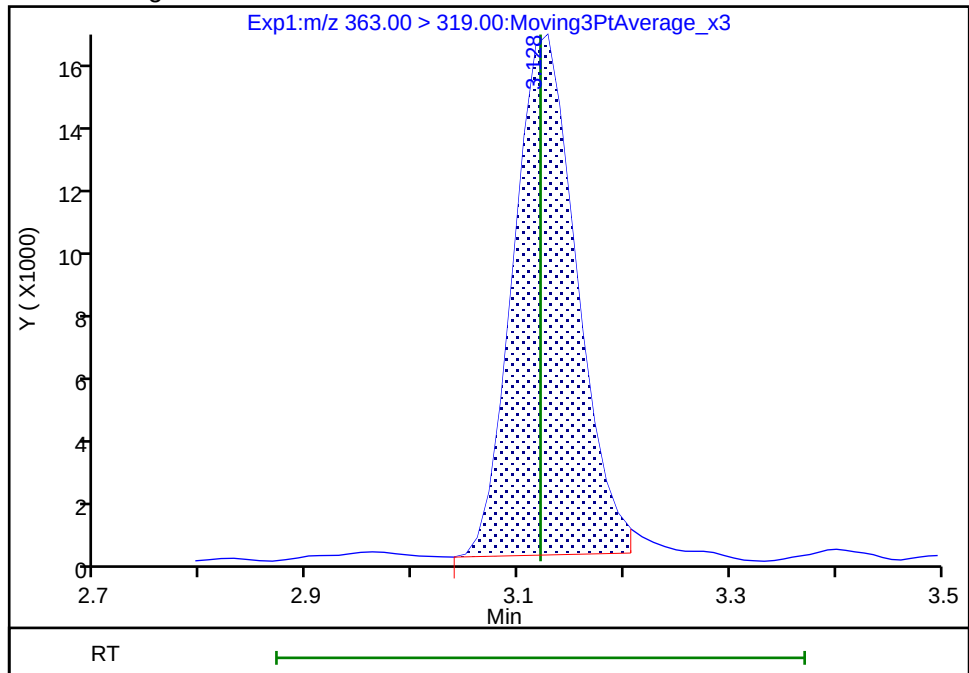
RT: 3.13
Area: 66445
Amount: 0.055781
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

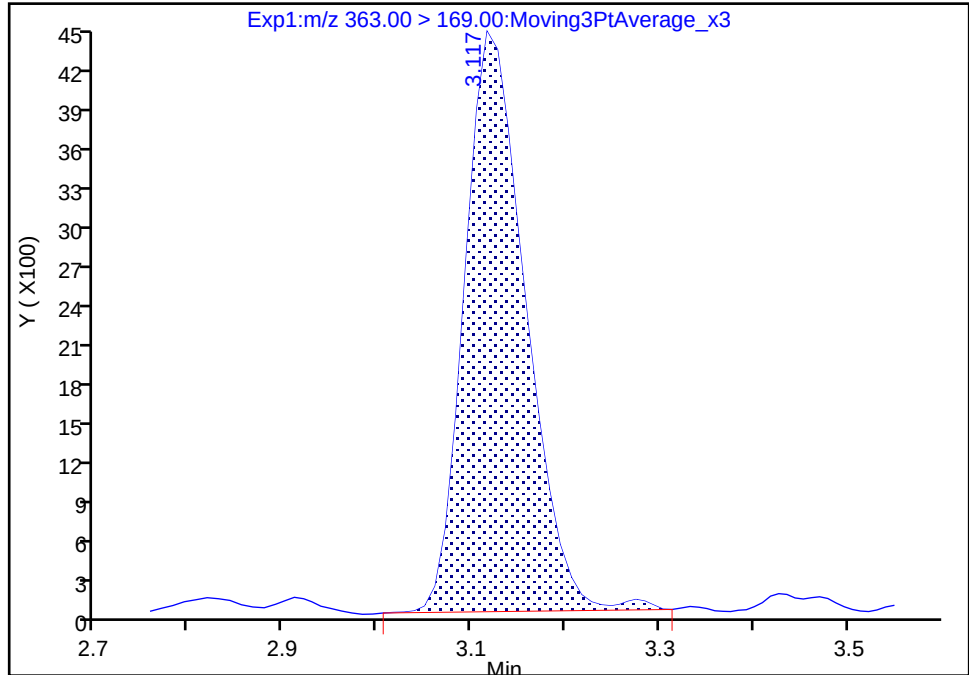
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

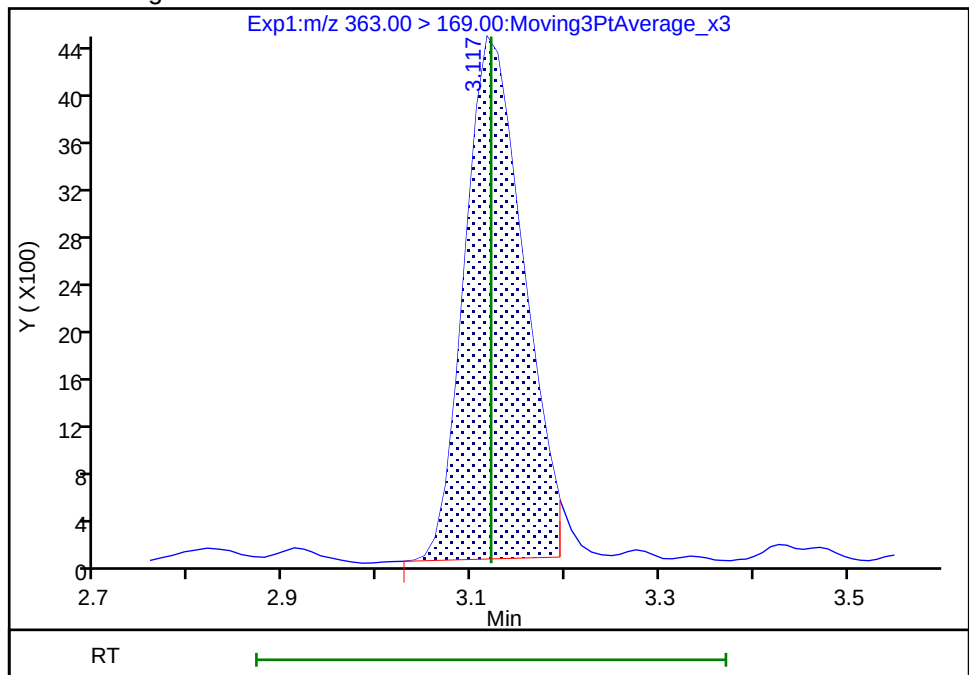
RT: 3.12
Area: 20021
Amount: 0.055781
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

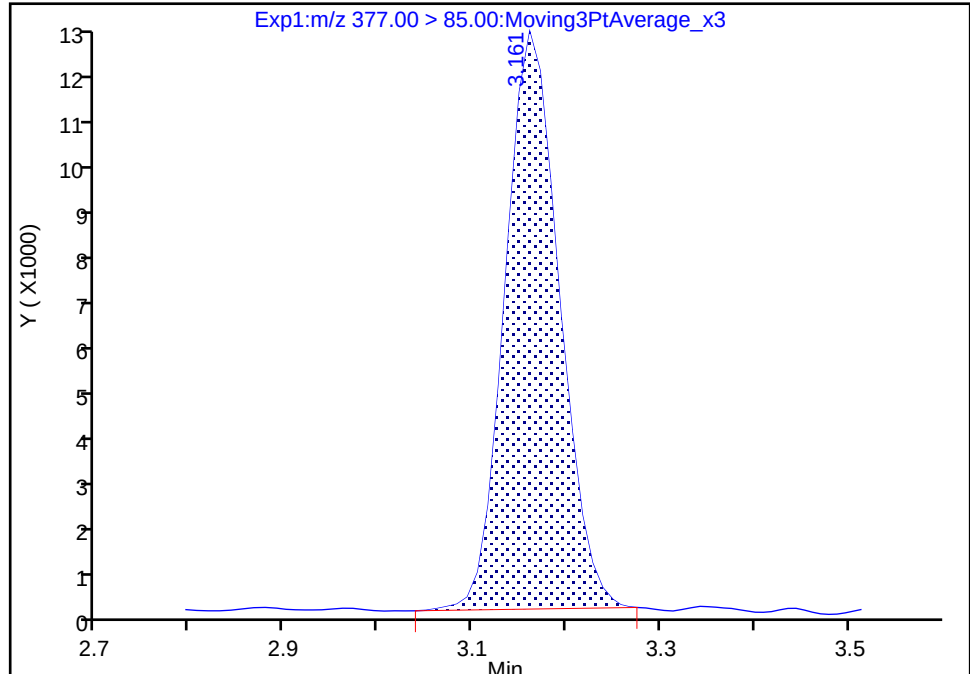
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d		
Injection Date:	03-Aug-2022 13:00:16	Instrument ID:	LC812
Lims ID:	IC		
Client ID:			
Operator ID:	lc812tech	ALS Bottle#:	2
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column: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

77 DONA, CAS: 919005-14-4

Signal: 2

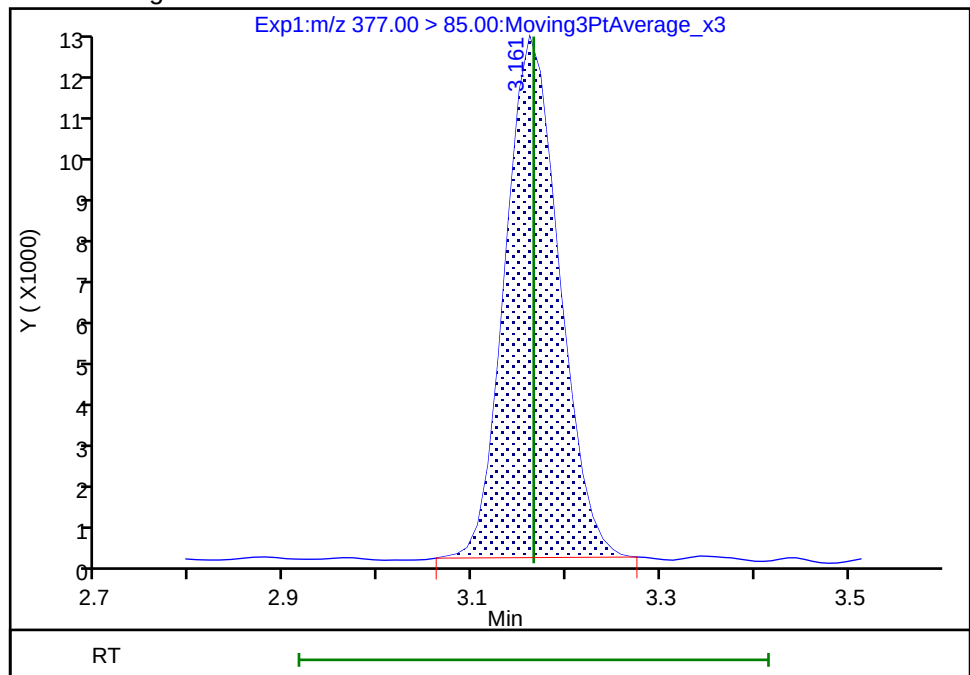
RT: 3.16
Area: 51313
Amount: 0.062728
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:18:14
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

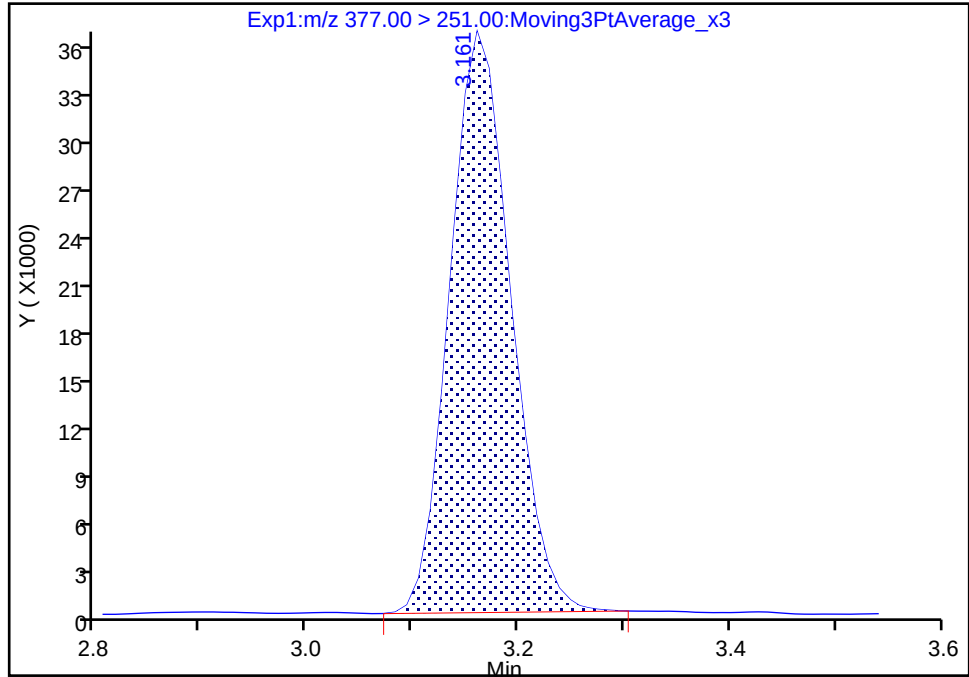
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

77 DONA, CAS: 919005-14-4

Signal: 1

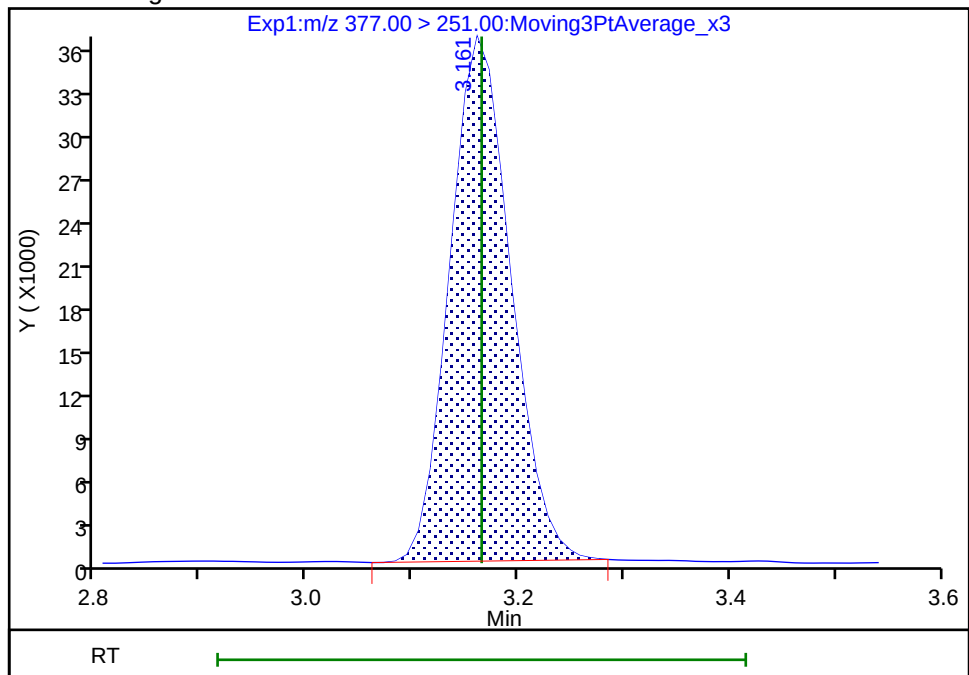
RT: 3.16
Area: 145361
Amount: 0.062728
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

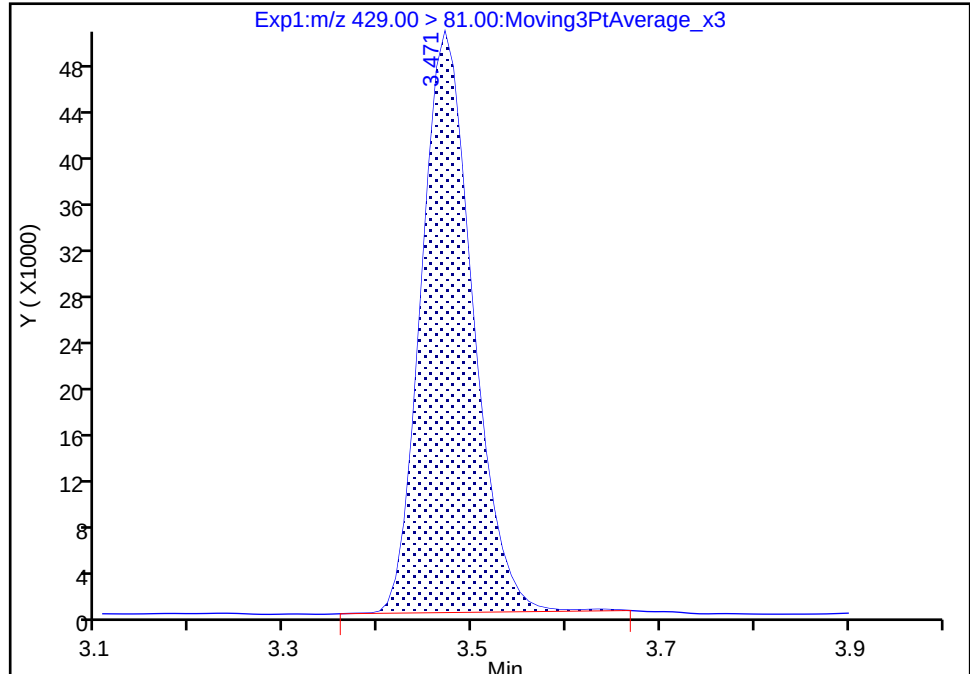
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

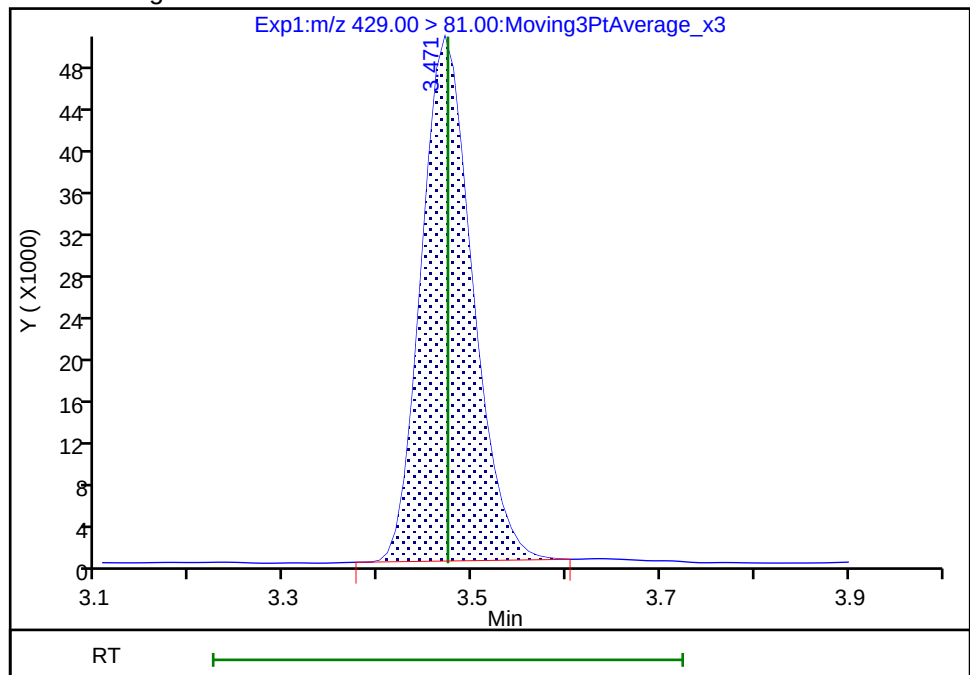
RT: 3.47
Area: 191730
Amount: 1.062165
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:18:24

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

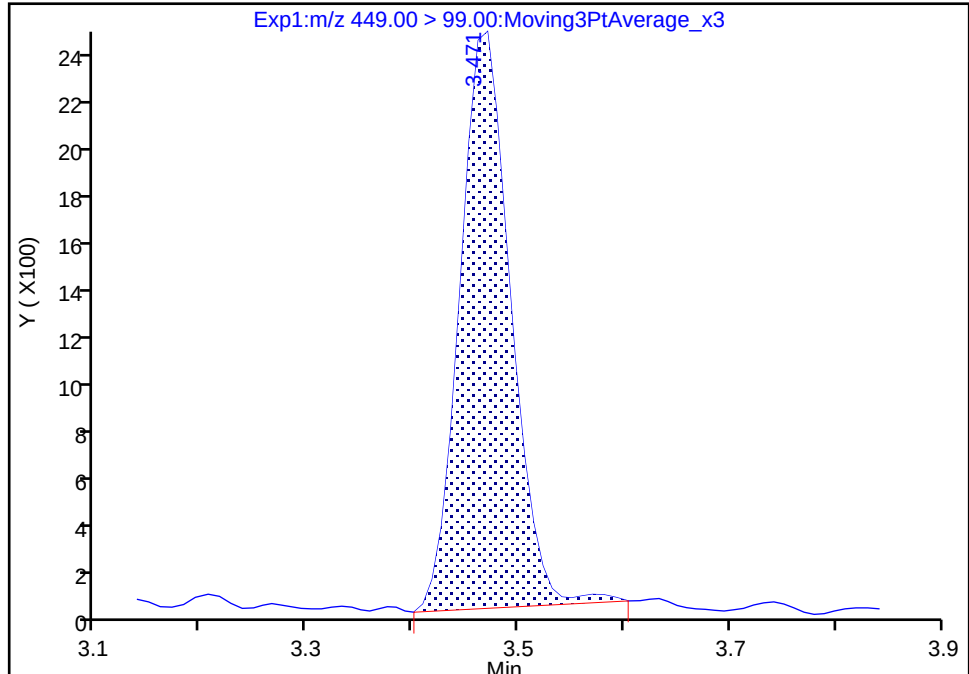
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

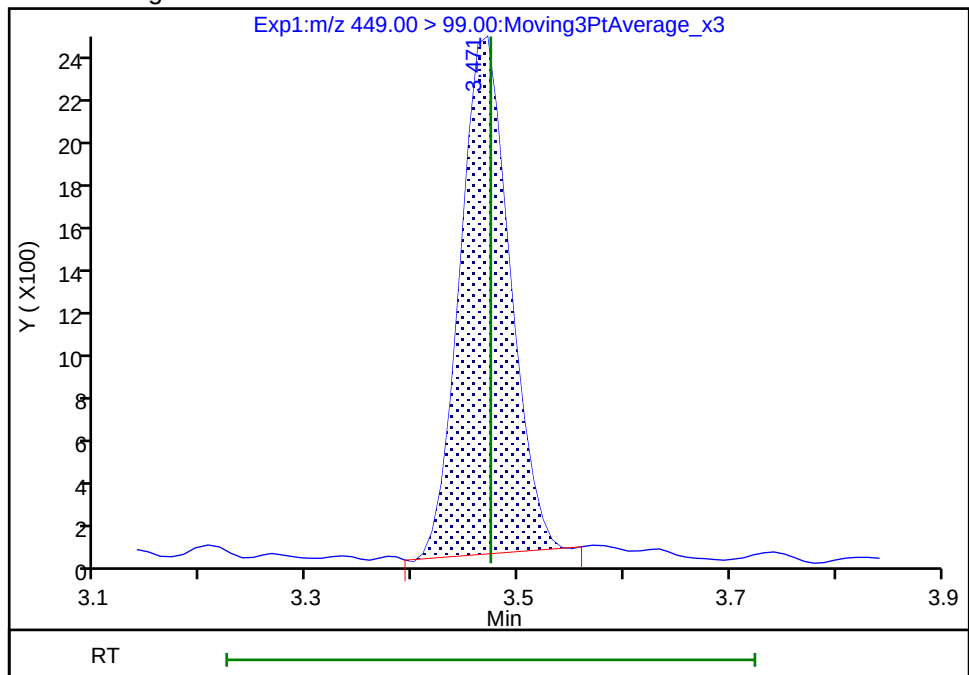
RT: 3.47
Area: 8022
Amount: 0.054097
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

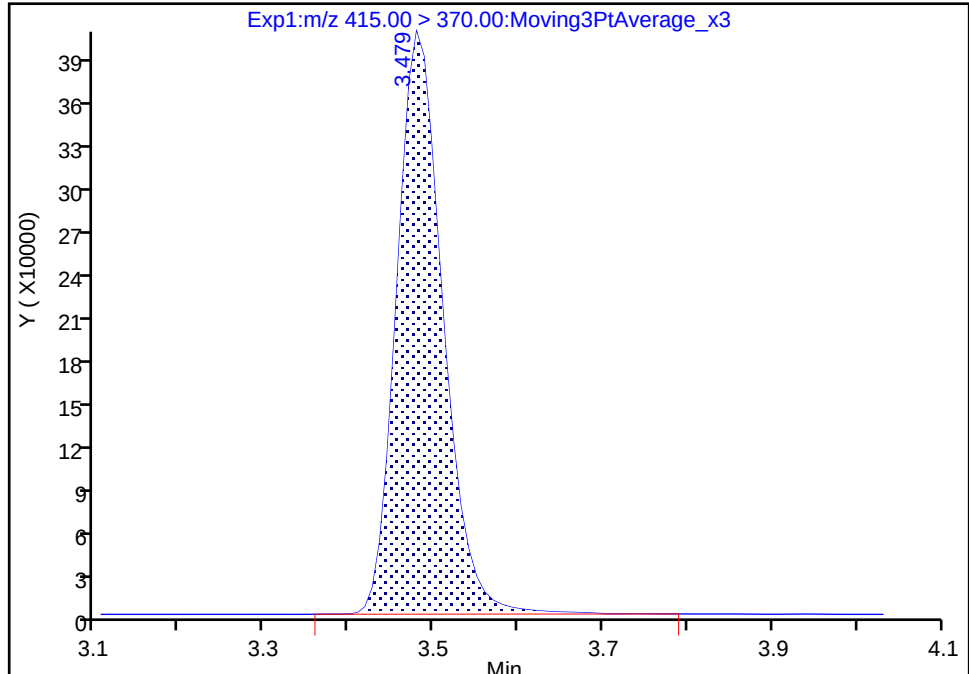
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

* 62 13C2 PFOA, CAS: STL00623

Signal: 1

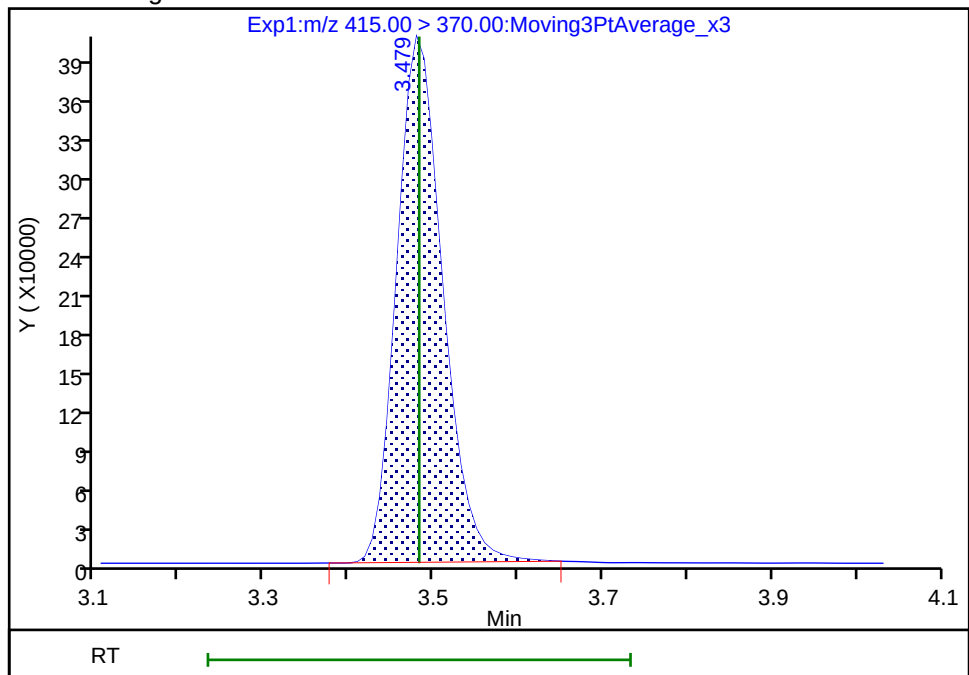
RT: 3.48
Area: 1550787
Amount: 1.250000
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

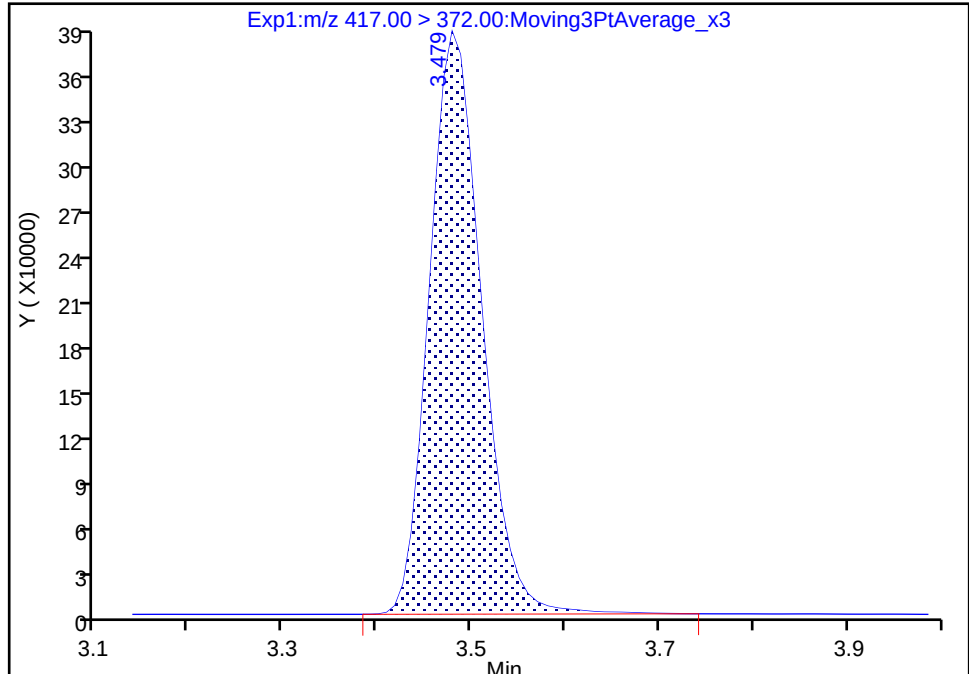
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 14 13C4 PFOA, CAS: STL00990

Signal: 1

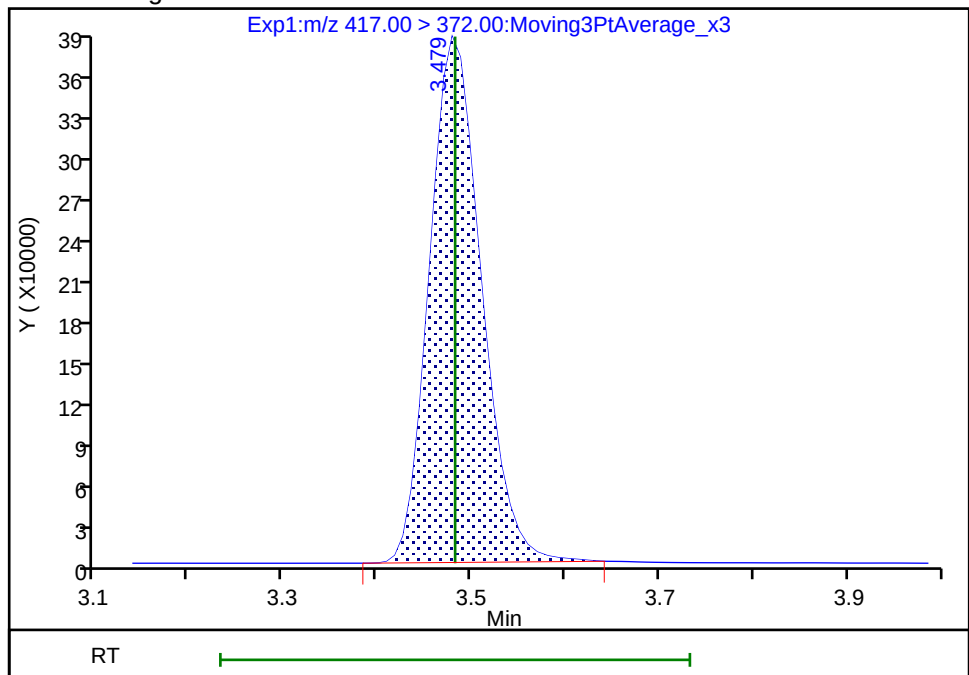
RT: 3.48
Area: 1496323
Amount: 1.297310
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

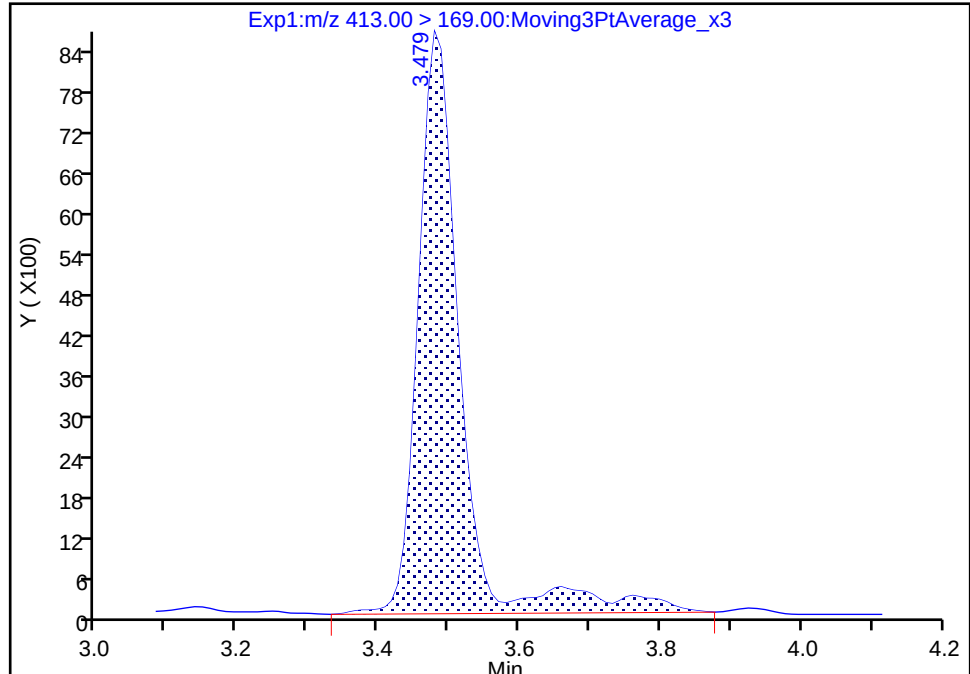
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

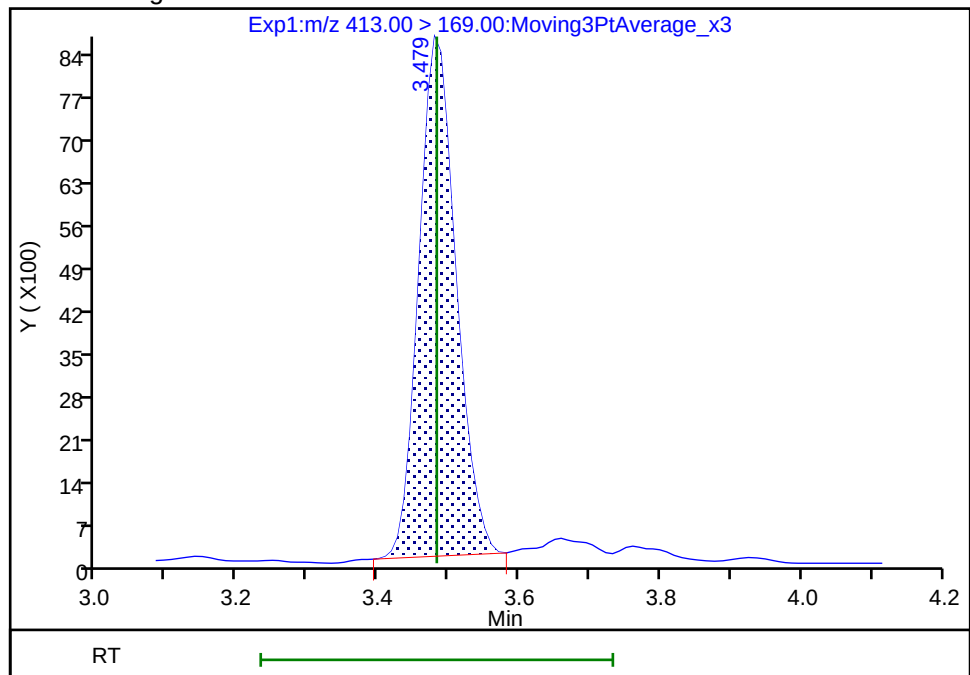
RT: 3.48
Area: 35958
Amount: 0.057122
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:19:02

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

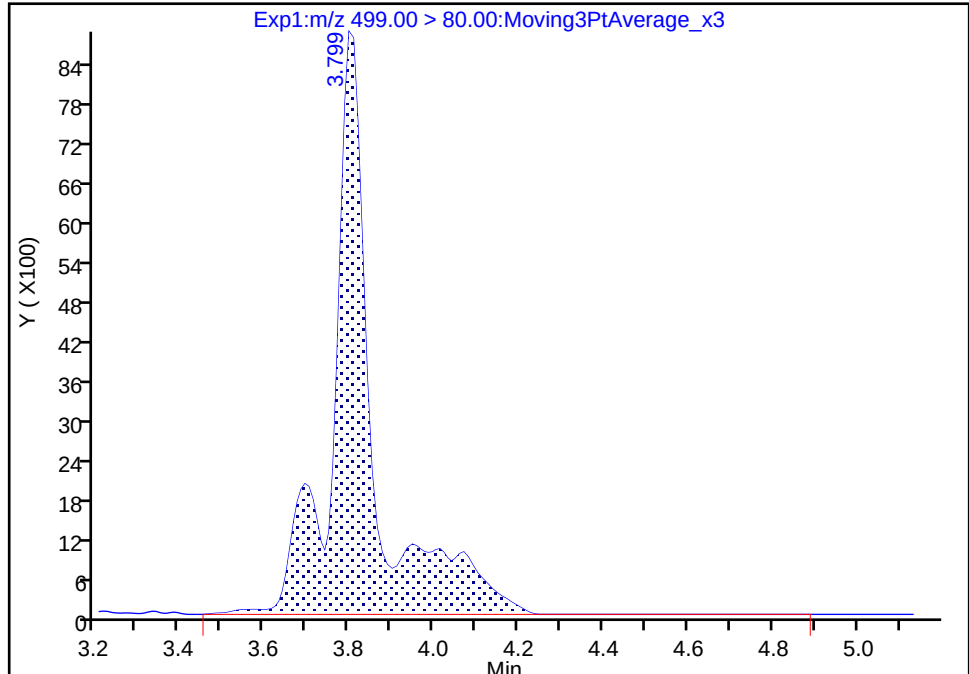
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

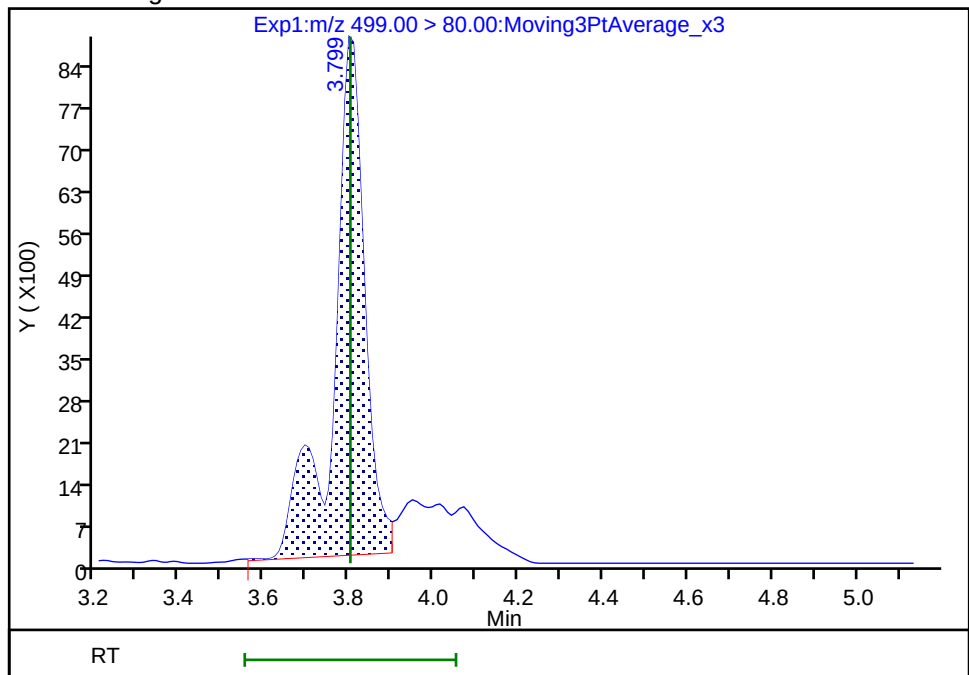
RT: 3.80
Area: 59914
Amount: 0.073920
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

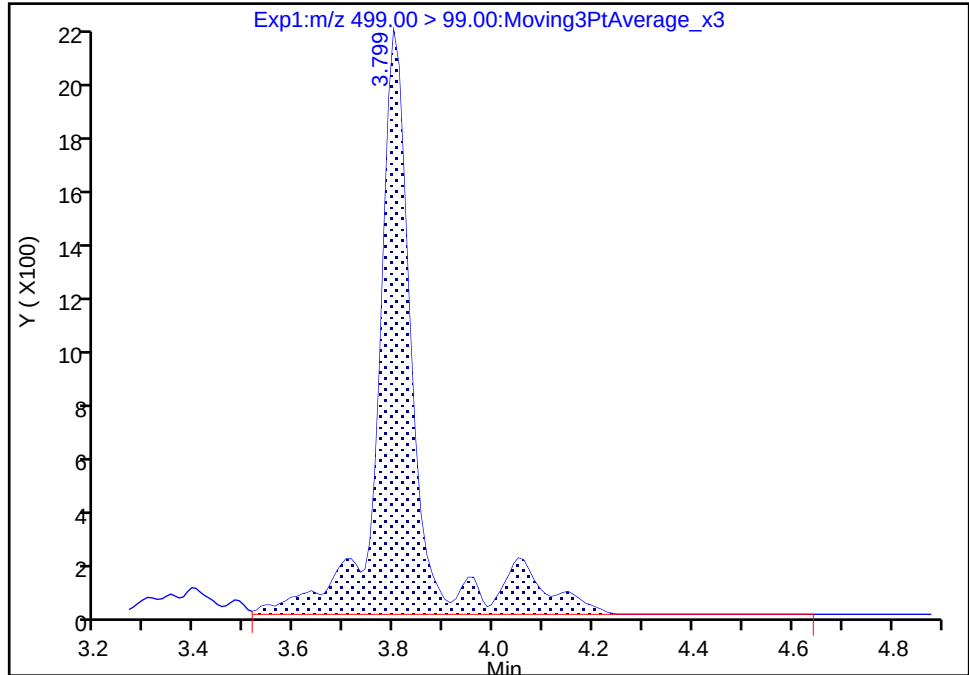
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

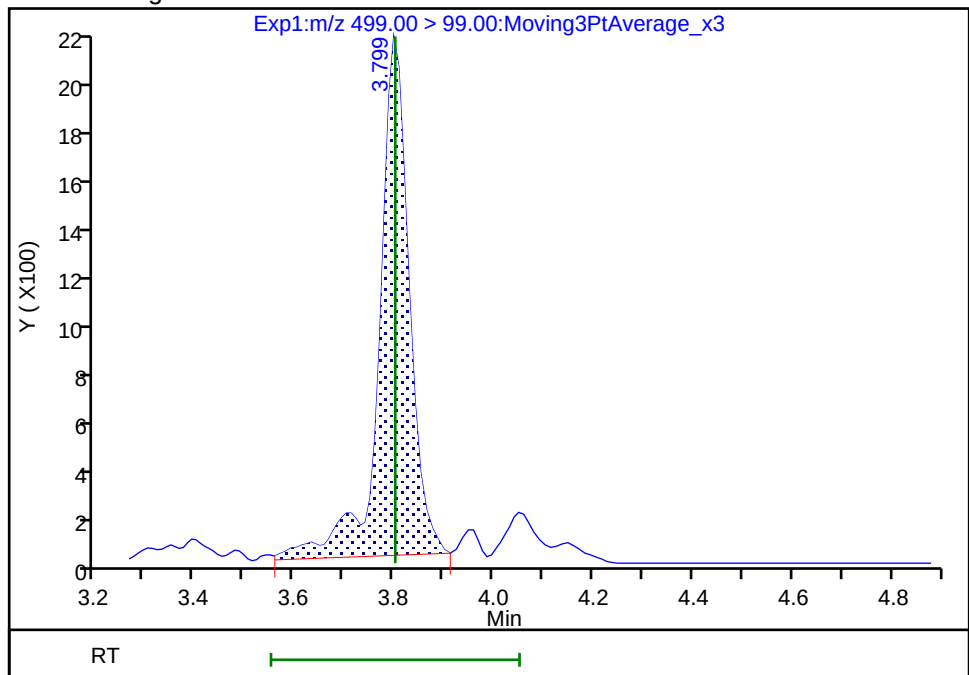
RT: 3.80
Area: 10980
Amount: 0.073920
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

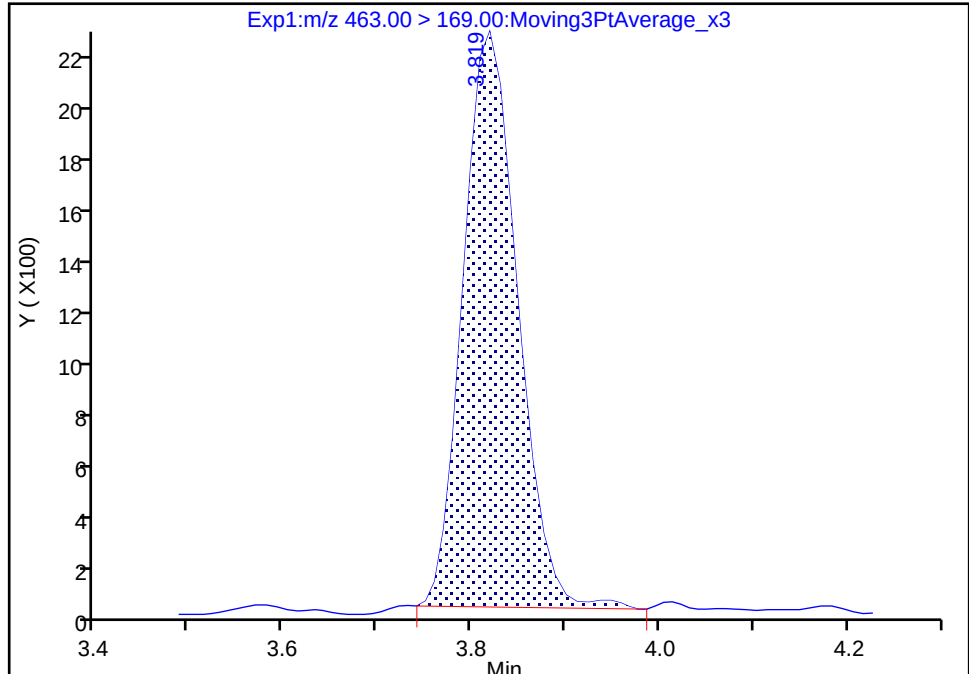
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

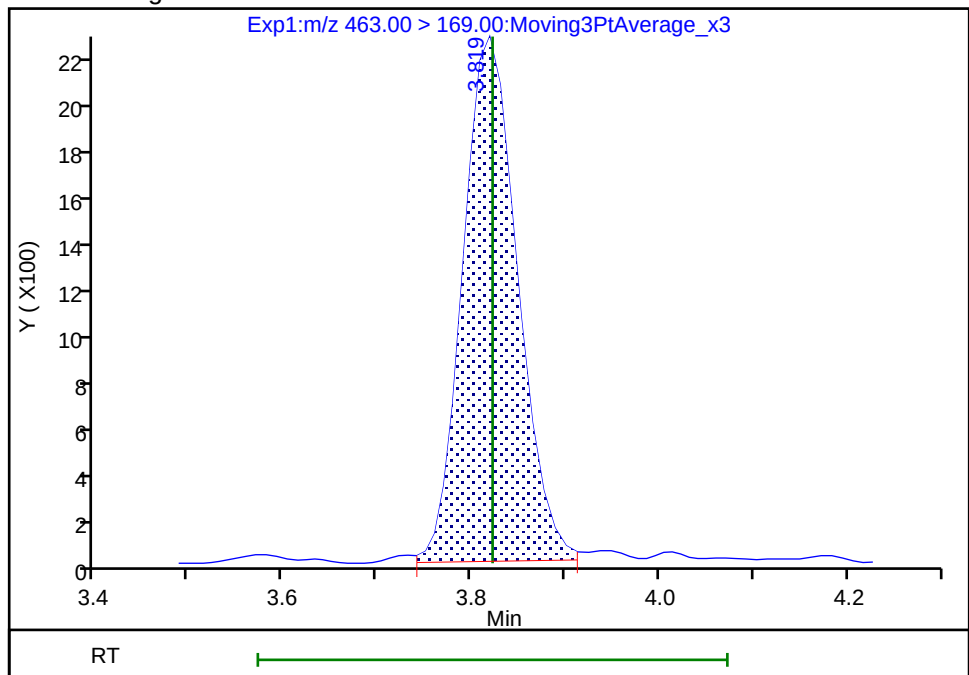
RT: 3.82
Area: 8844
Amount: 0.058249
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

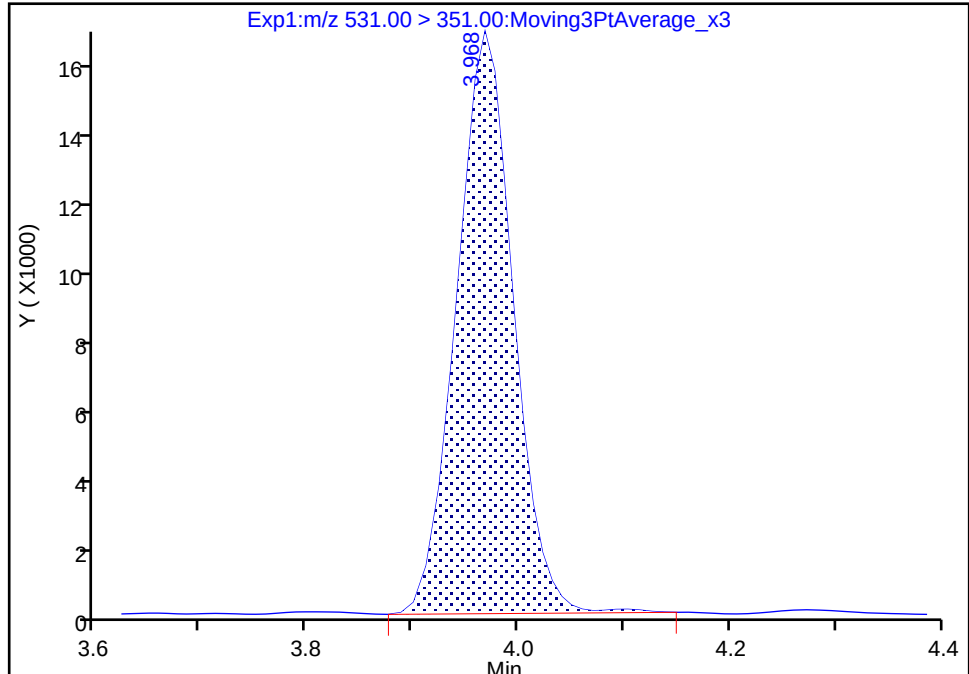
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

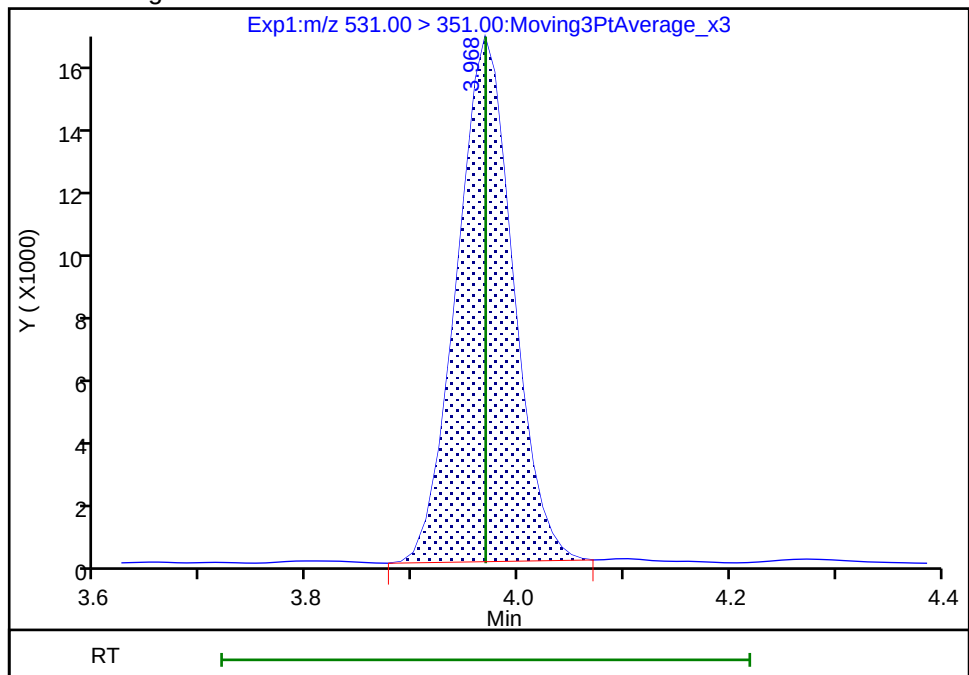
RT: 3.97
Area: 60050
Amount: 0.049170
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

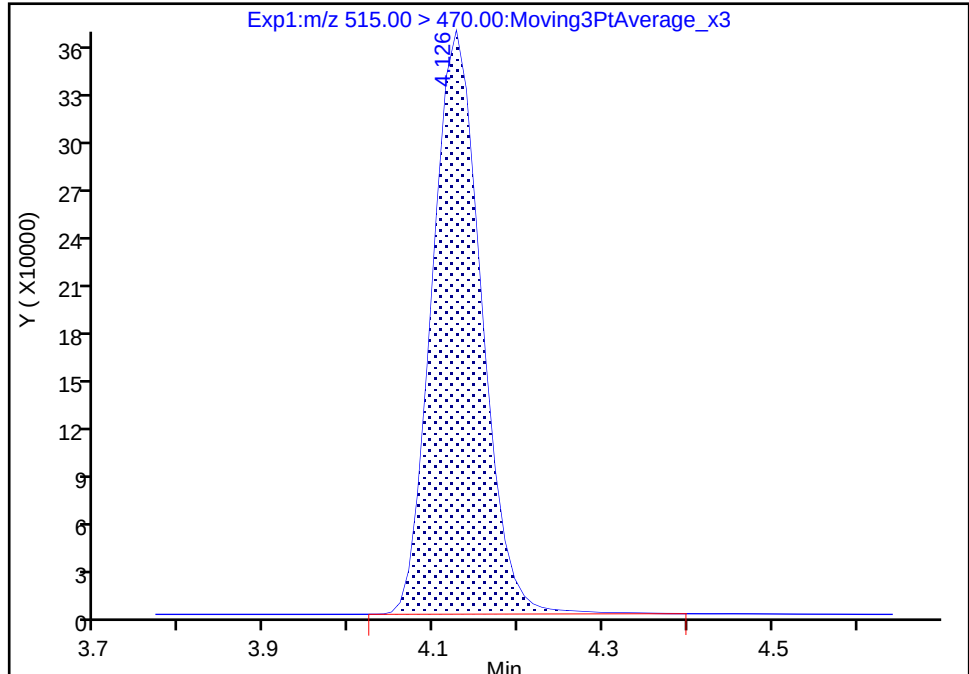
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 23 13C2 PFDA, CAS: STL00996

Signal: 1

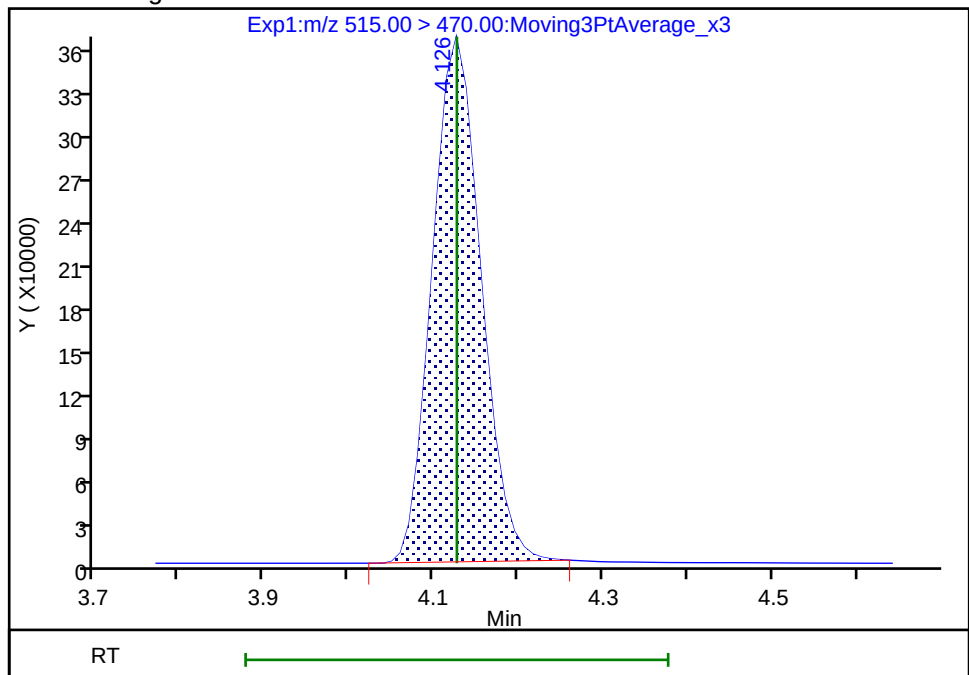
RT: 4.13
Area: 1490768
Amount: 1.239251
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

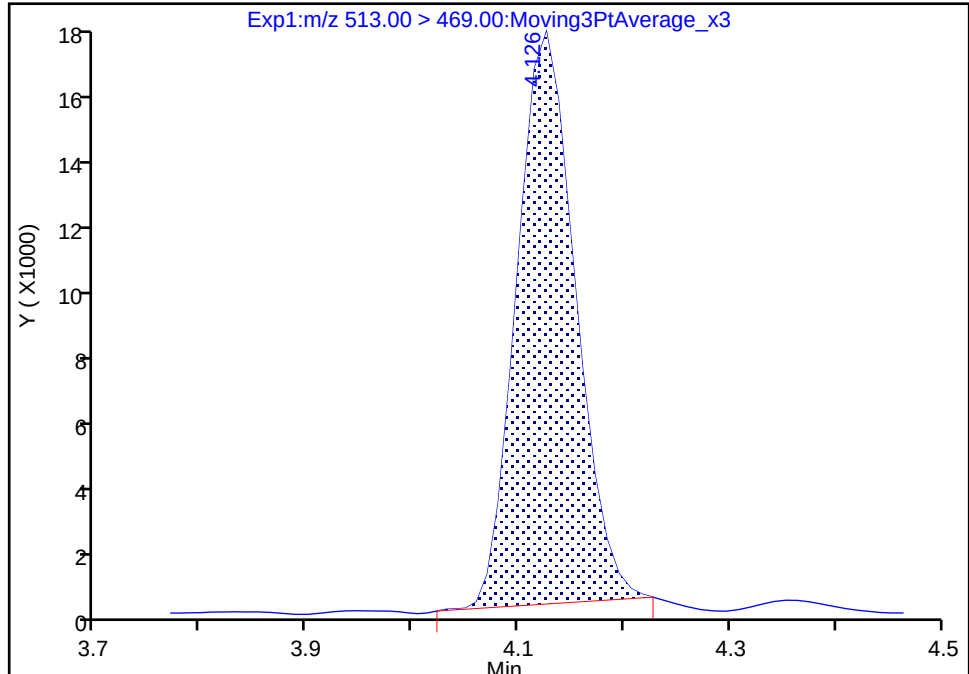
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

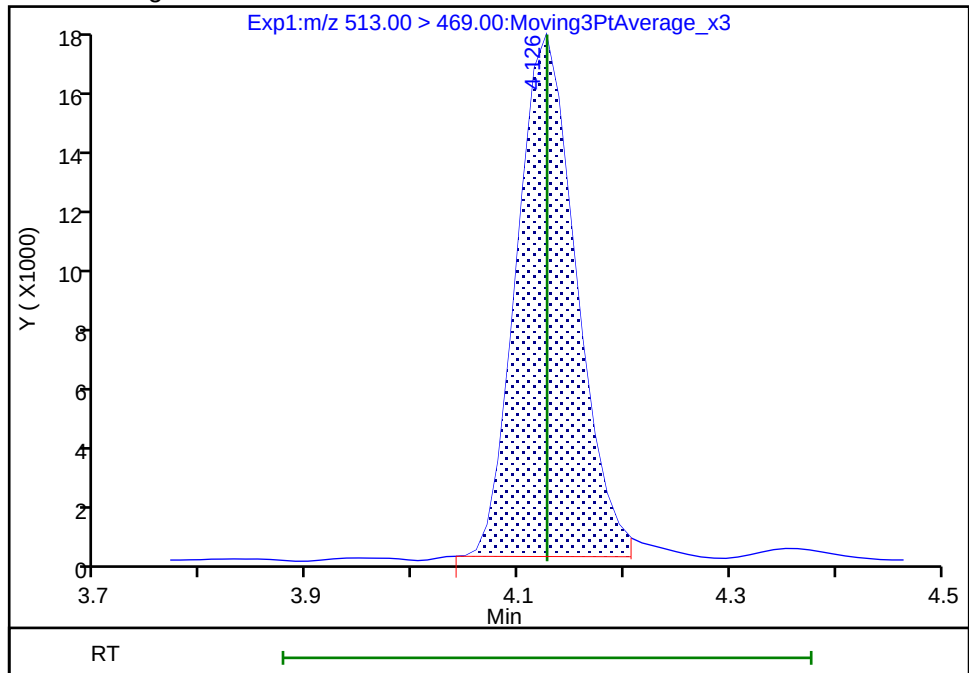
RT: 4.13
Area: 65117
Amount: 0.051710
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

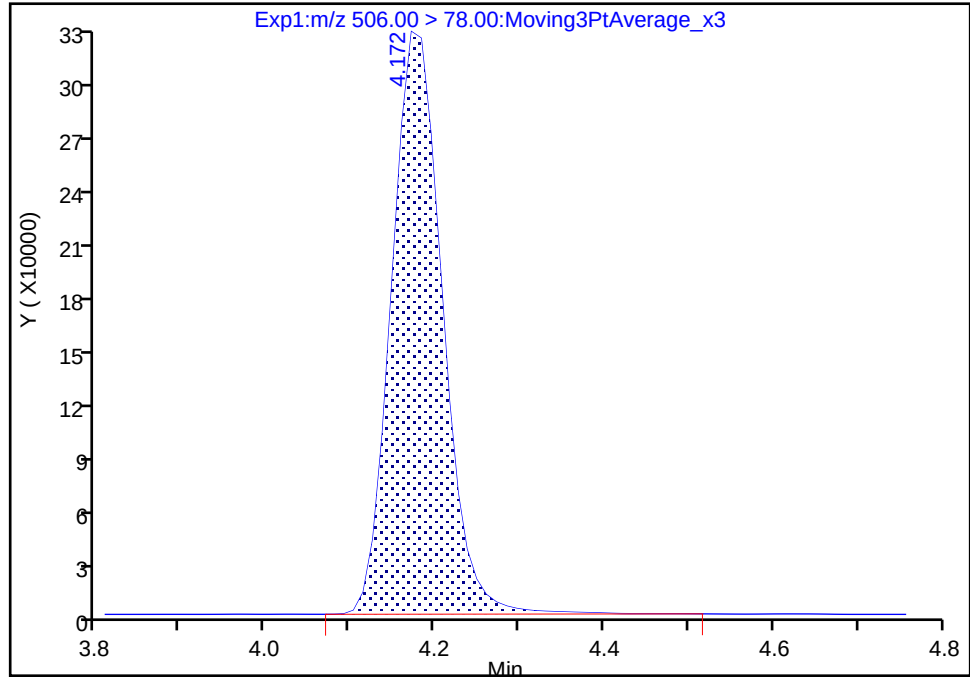
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

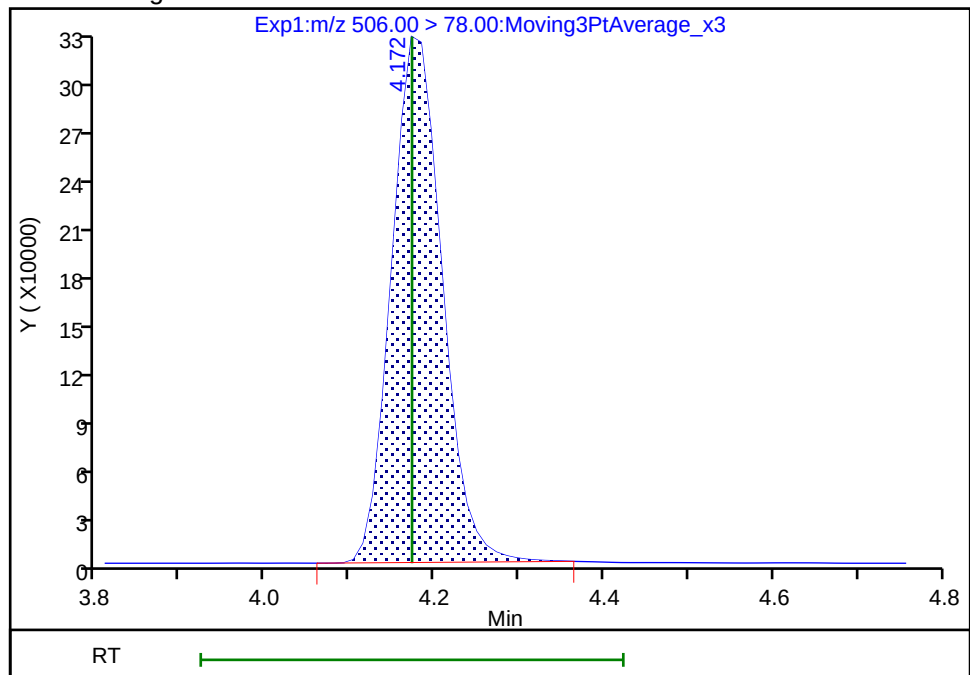
RT: 4.17
Area: 1362466
Amount: 1.053505
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

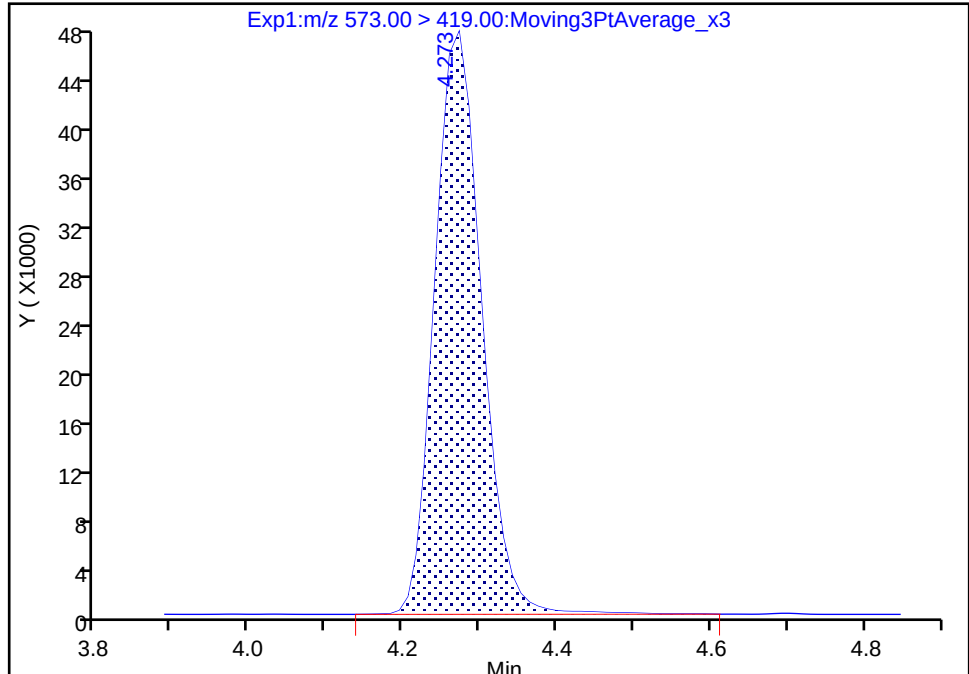
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

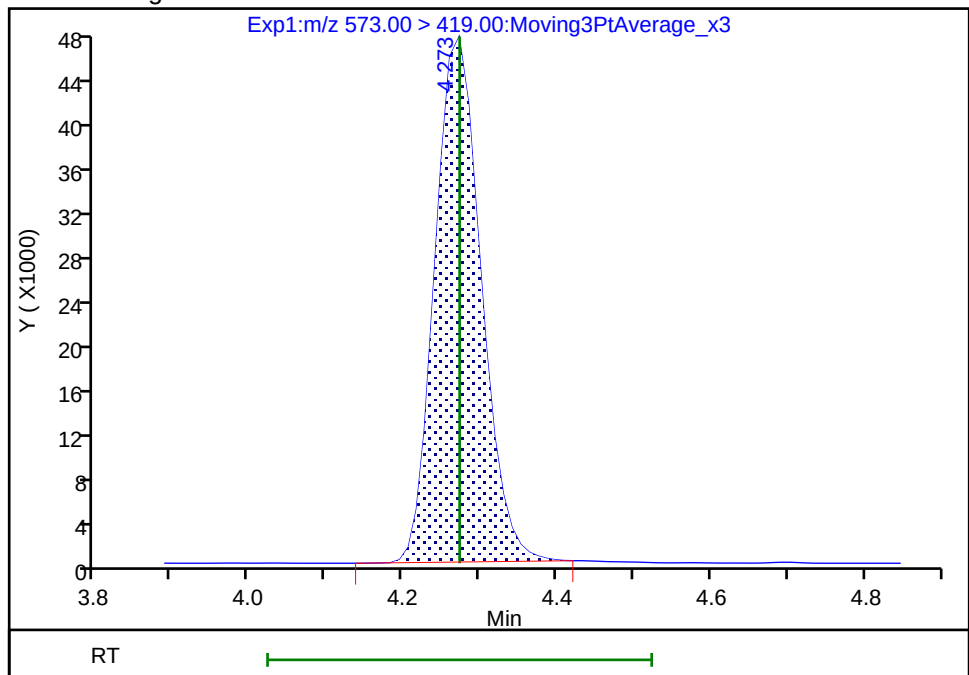
RT: 4.27
Area: 201995
Amount: 1.249595
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

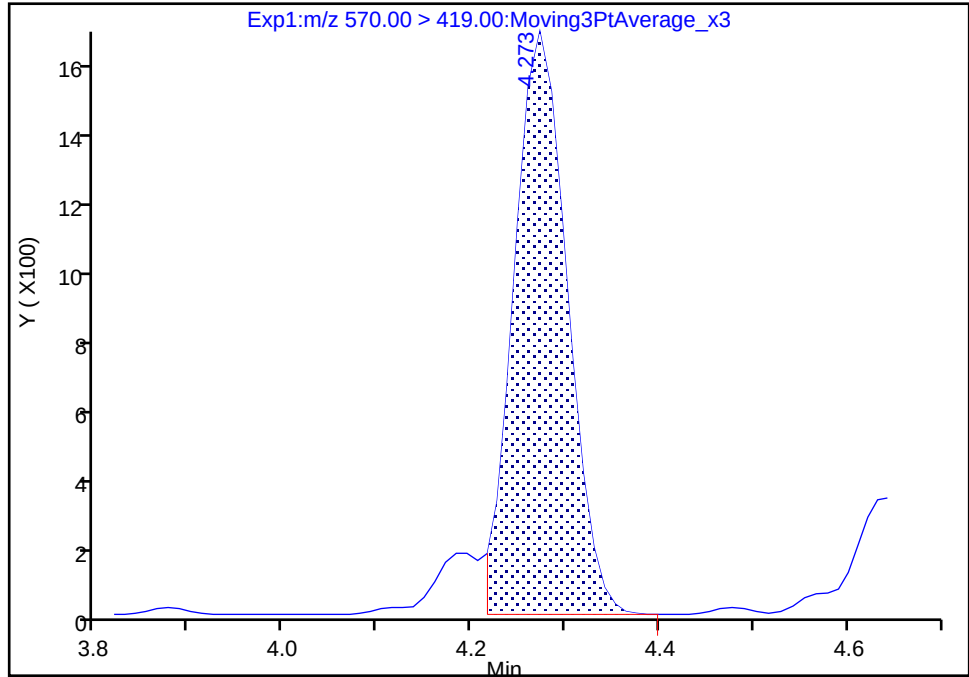
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

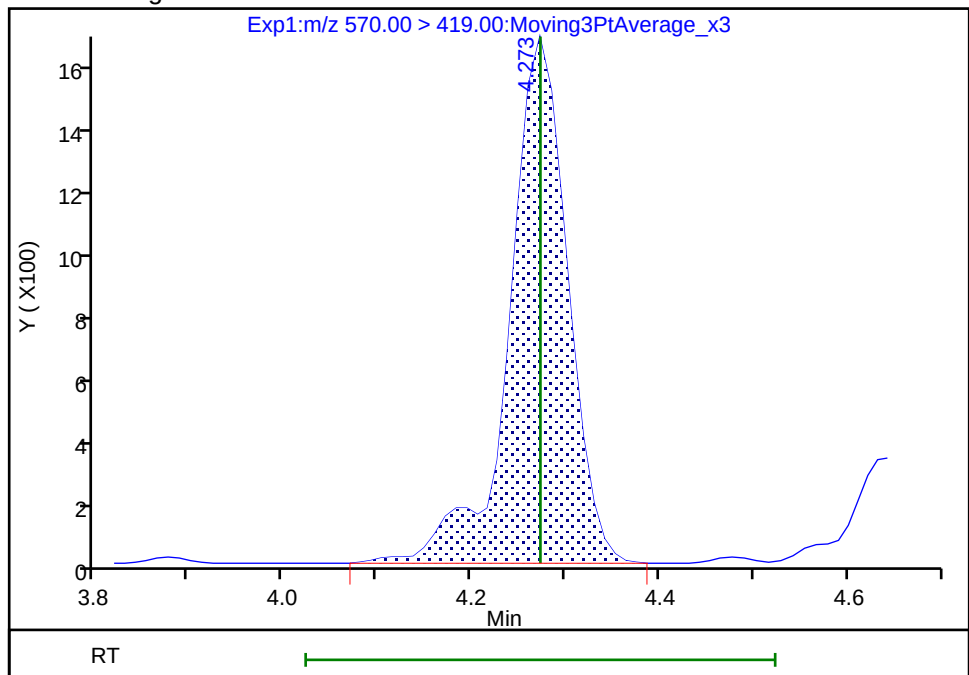
RT: 4.27
Area: 6352
Amount: 0.045097
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

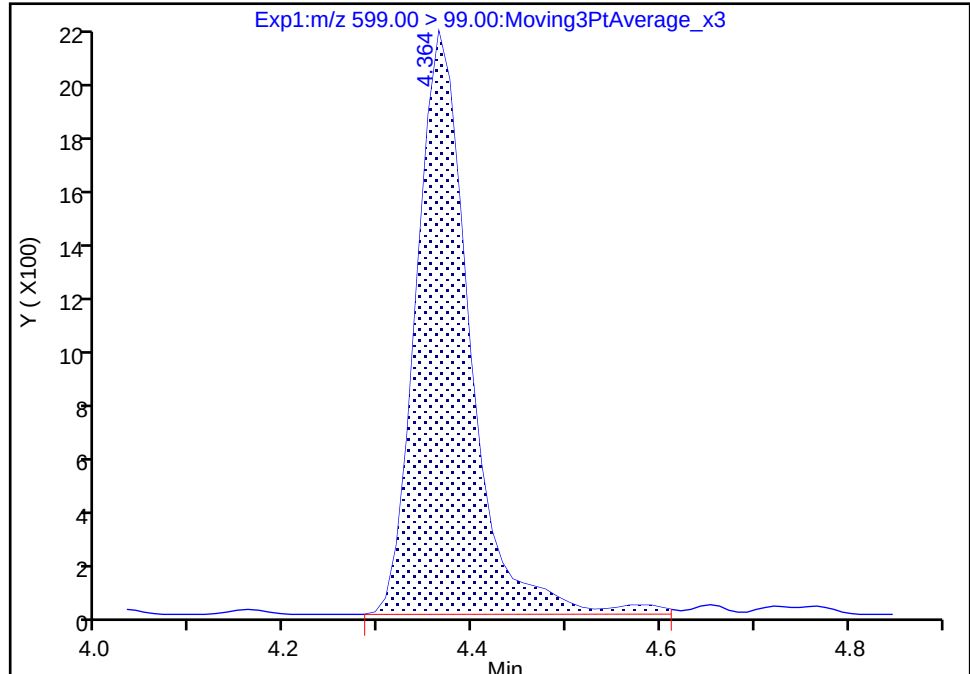
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

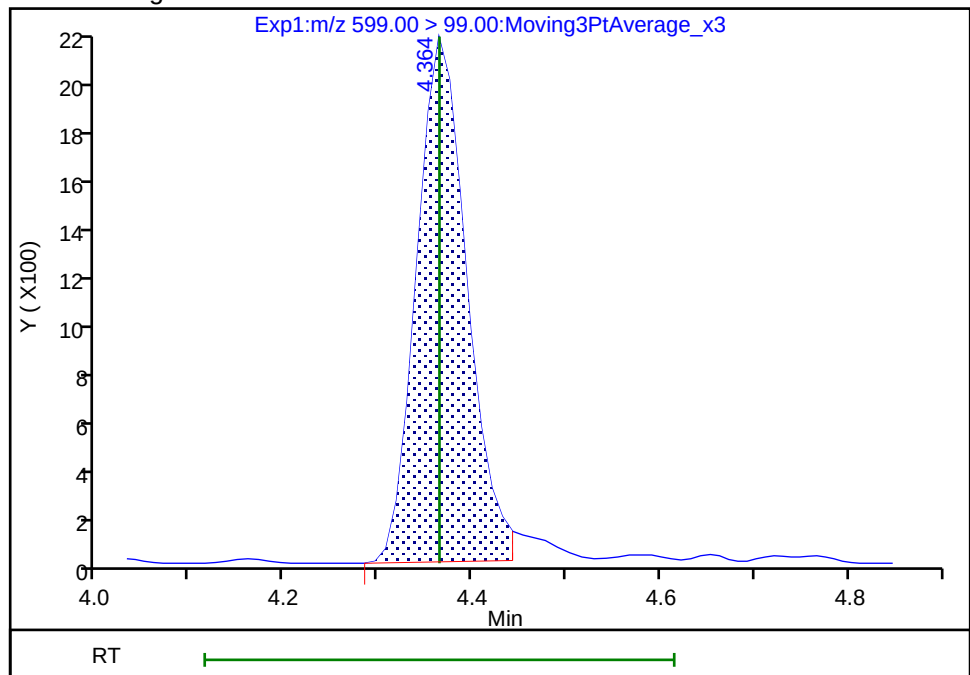
RT: 4.36
Area: 8338
Amount: 0.044558
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



Eurofins Burlington

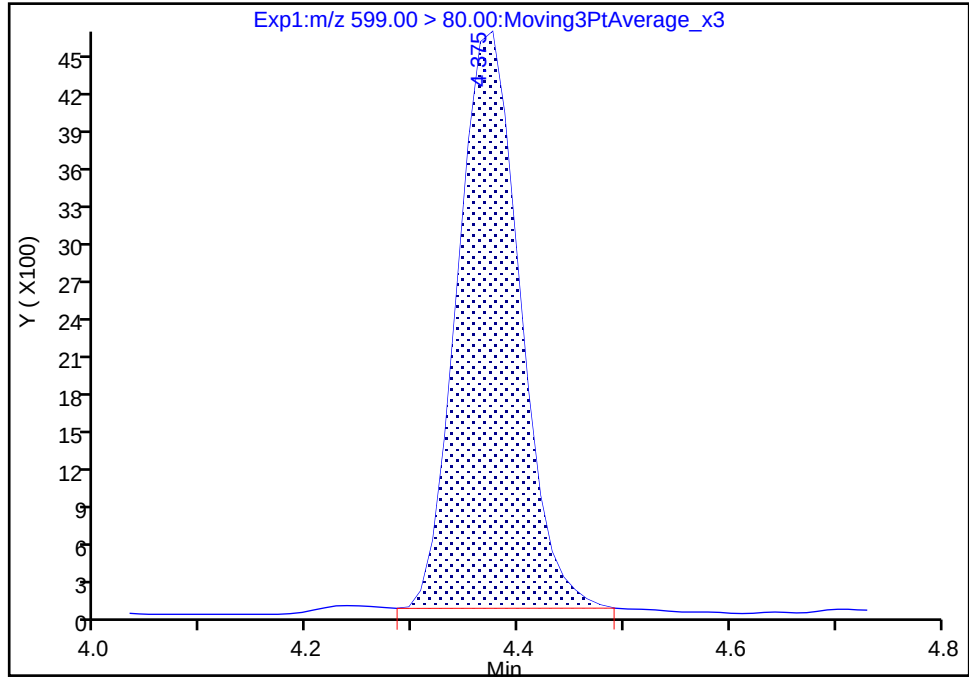
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

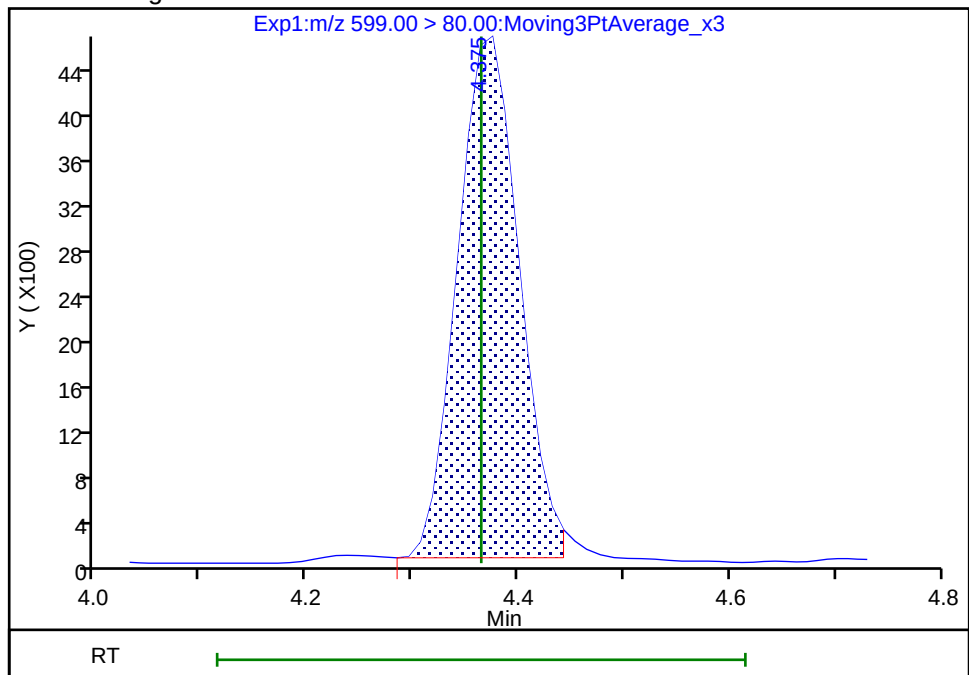
RT: 4.38
Area: 18747
Amount: 0.044558
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

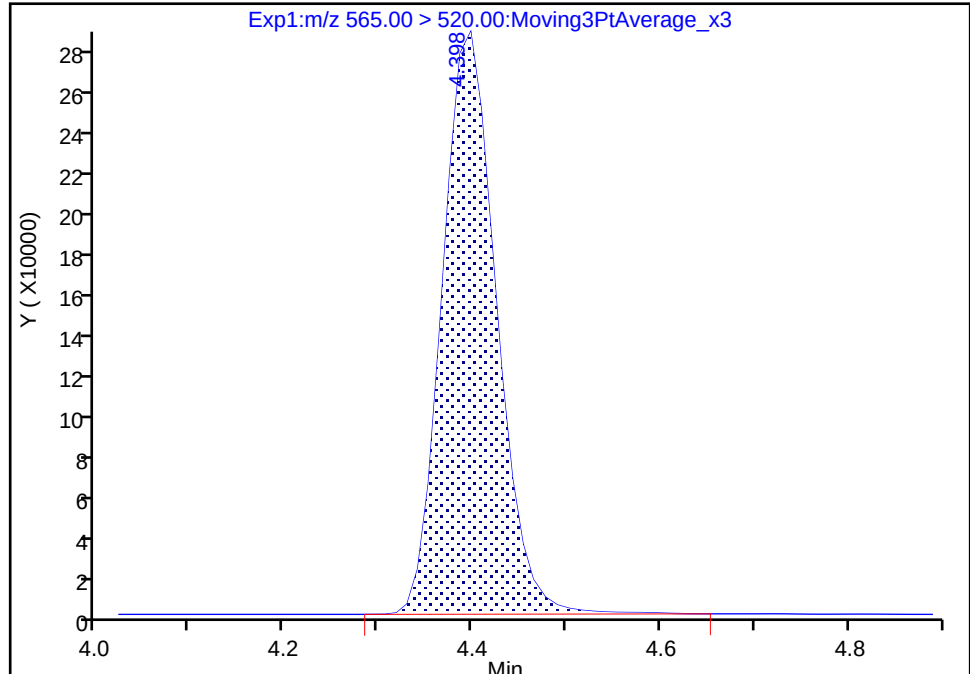
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

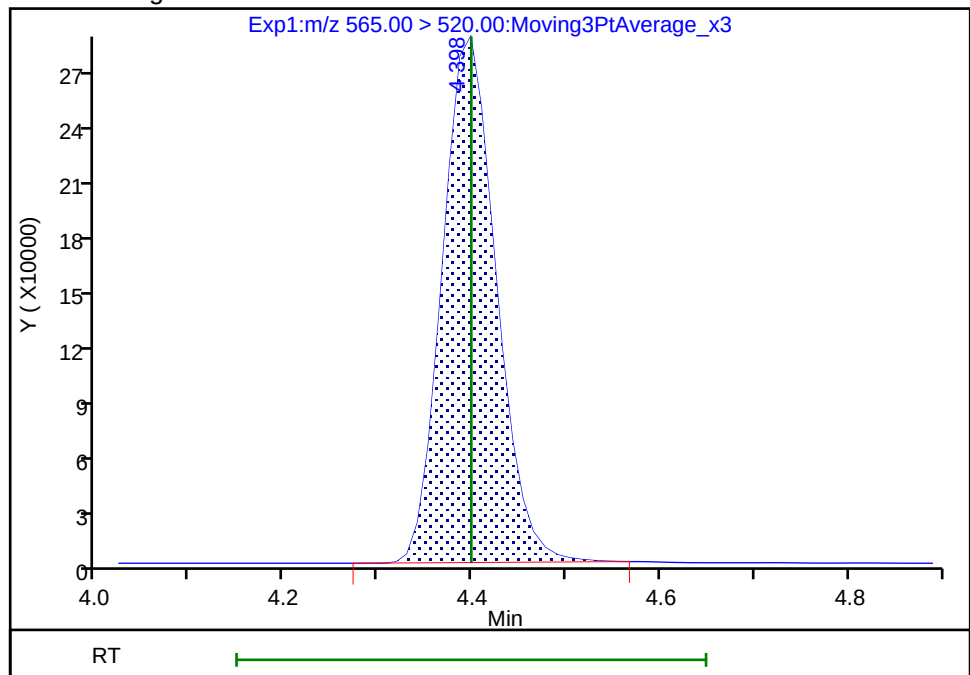
RT: 4.40
Area: 1133869
Amount: 1.168747
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

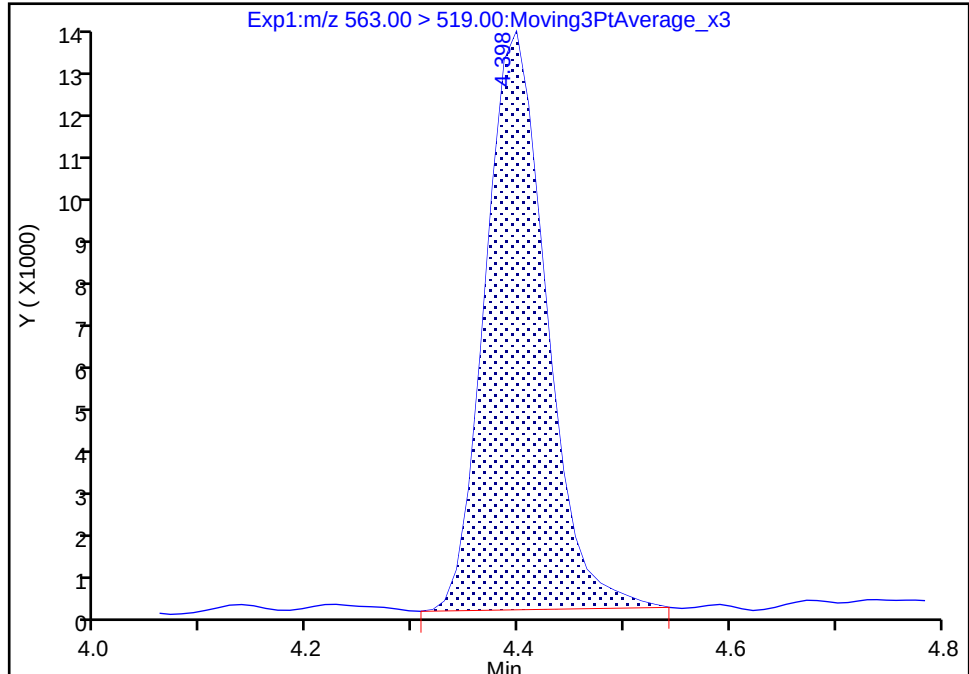
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

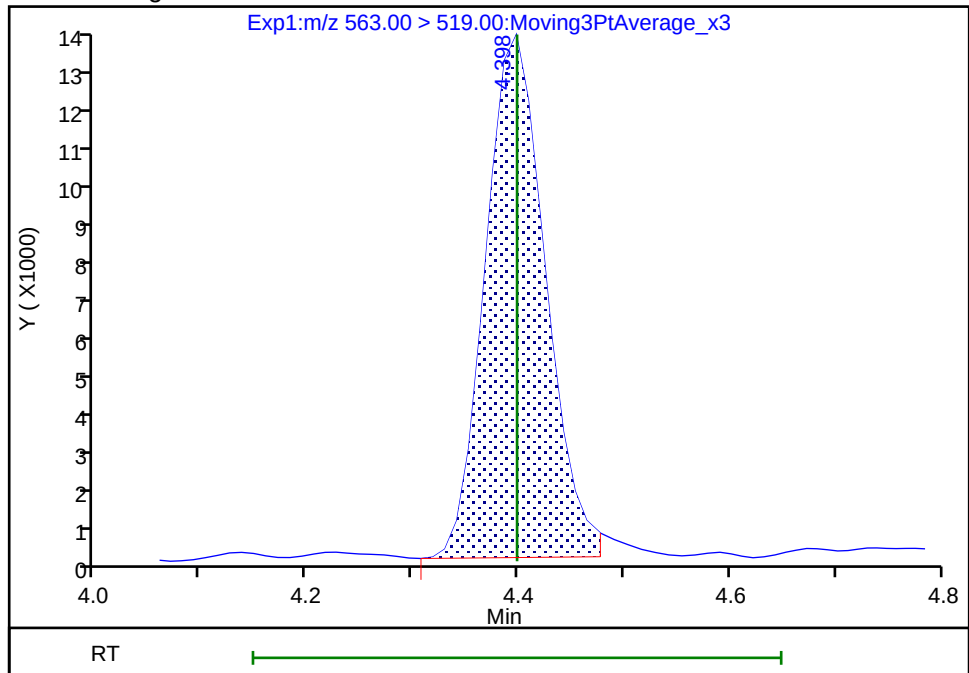
RT: 4.40
Area: 53321
Amount: 0.056988
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

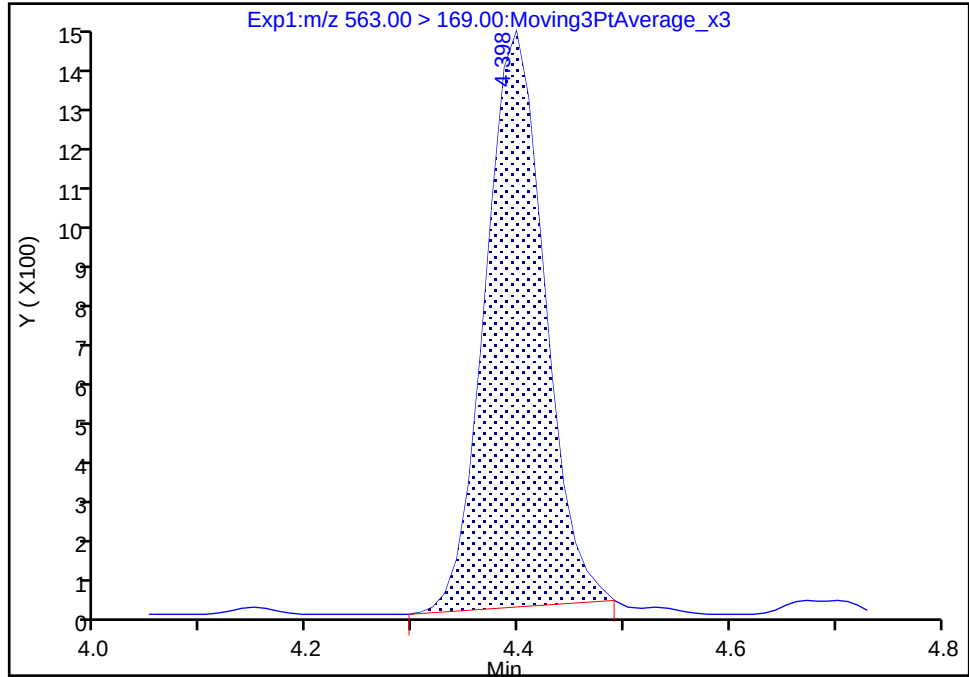
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

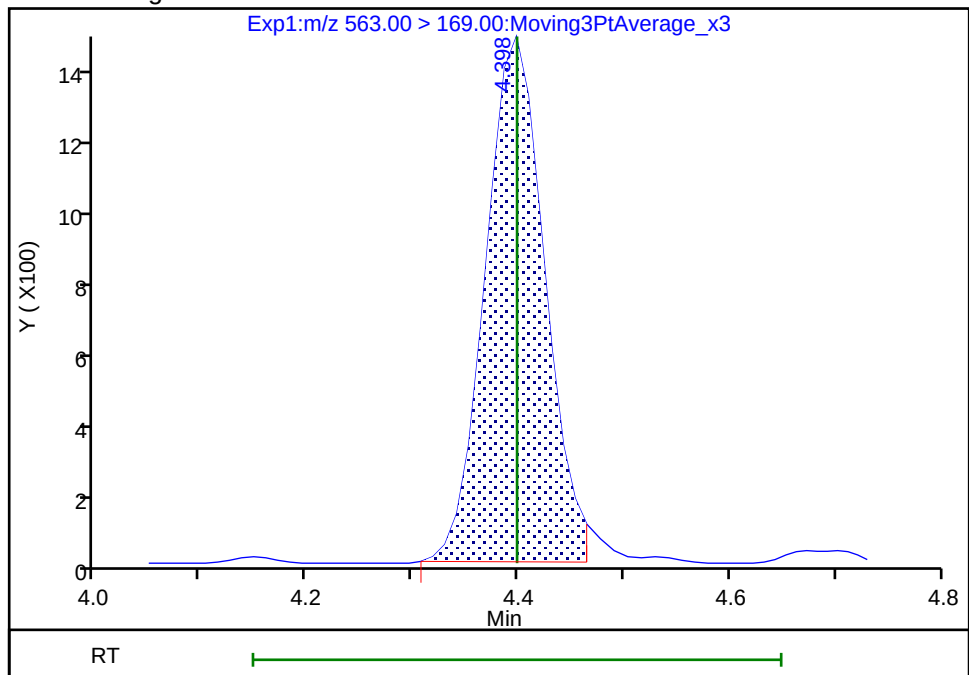
RT: 4.40
Area: 5636
Amount: 0.056988
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

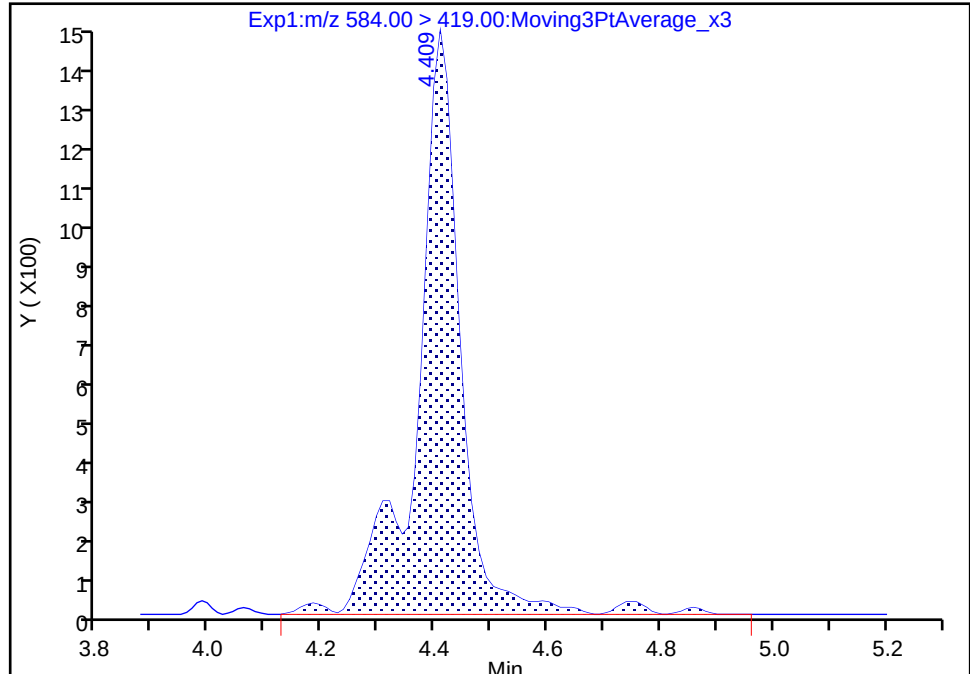
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

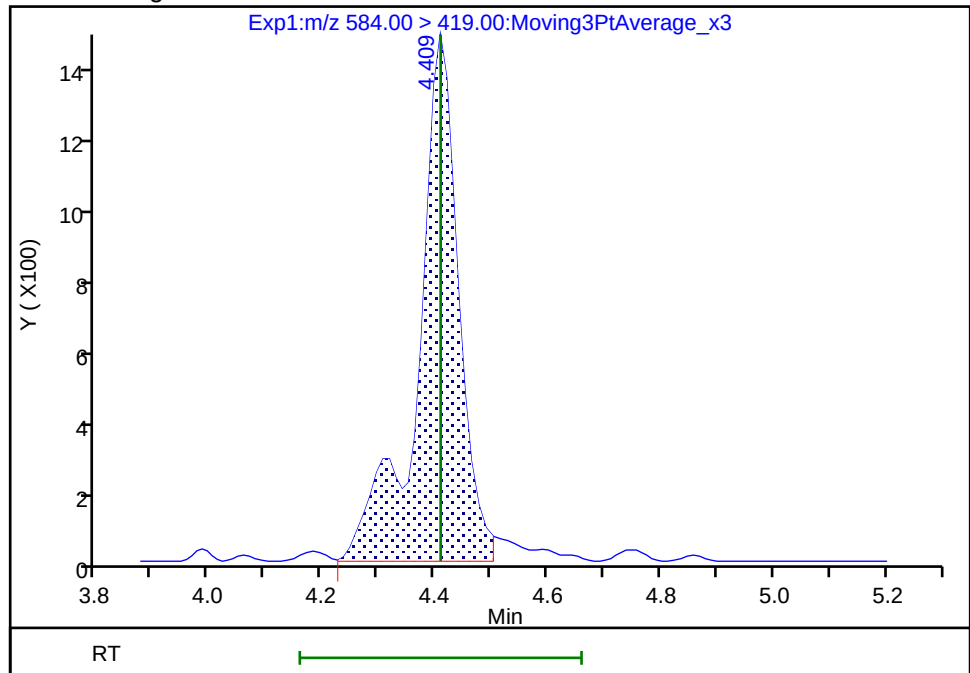
RT: 4.41
Area: 7838
Amount: 0.054012
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

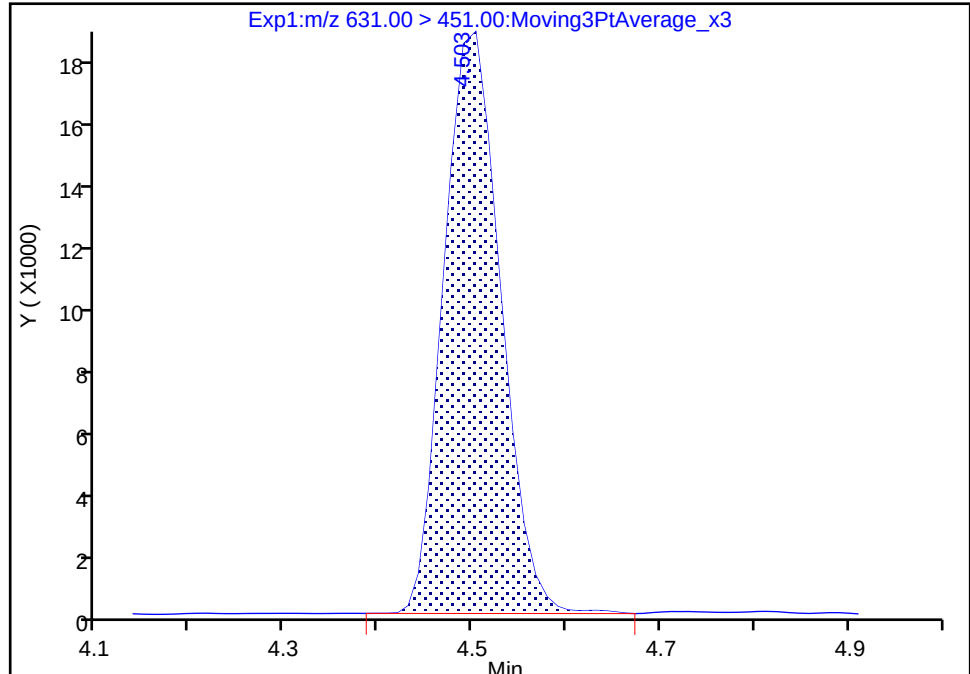
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

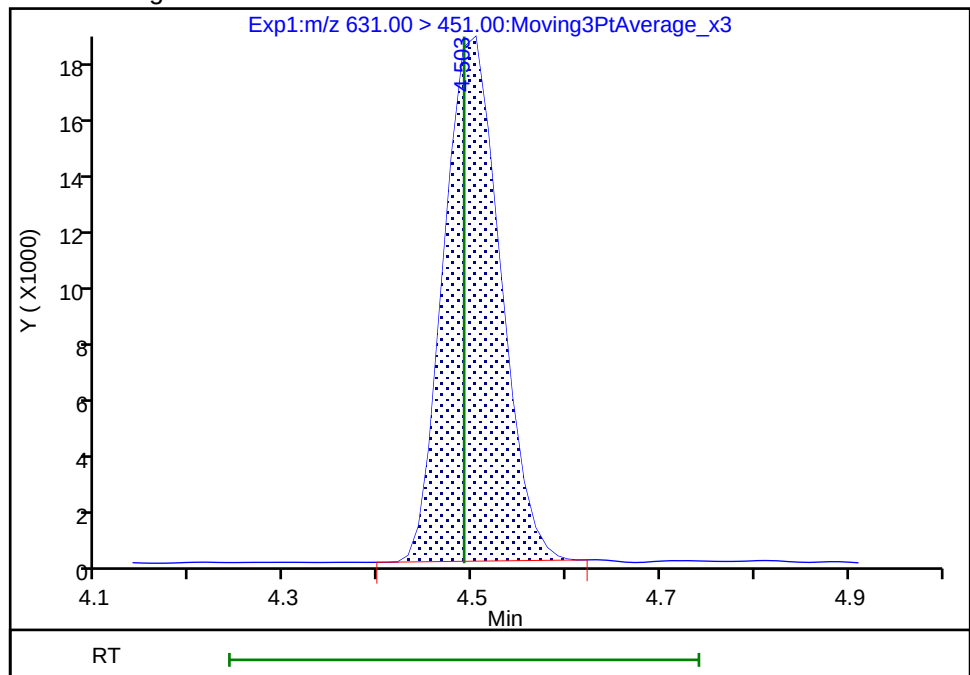
RT: 4.50
Area: 78300
Amount: 0.047528
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

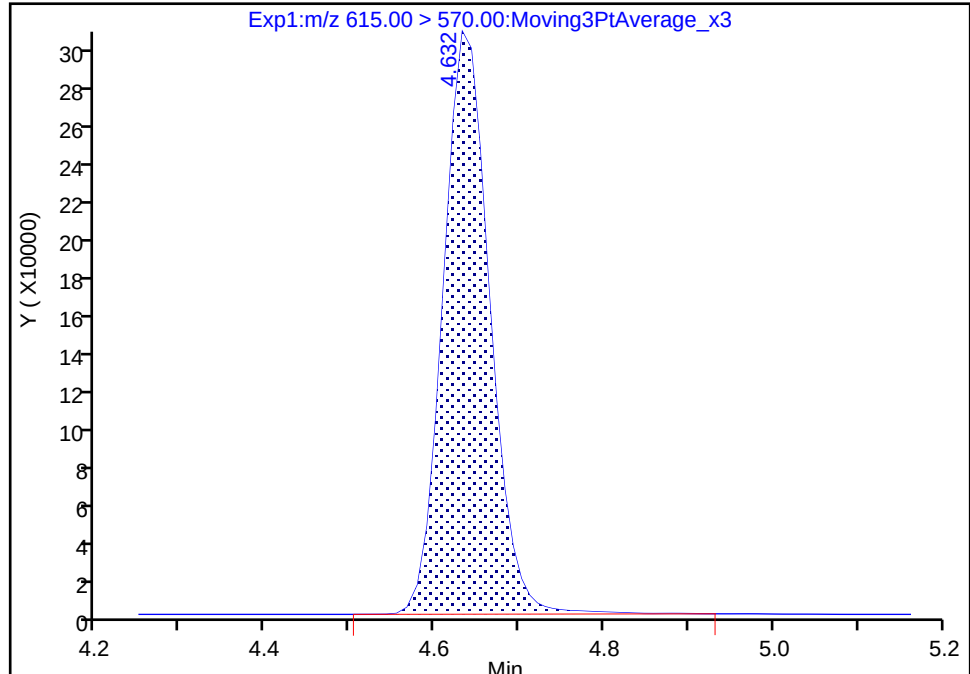
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 36 13C2 PFD_oA, CAS: STL00998

Signal: 1

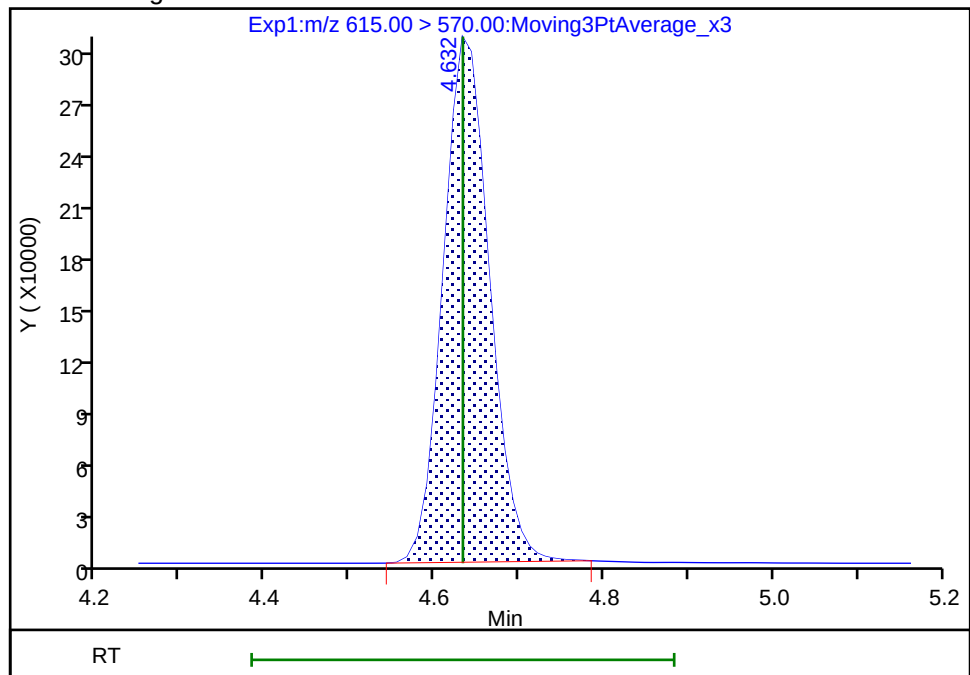
RT: 4.63
Area: 1167134
Amount: 1.145222
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:24:02

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

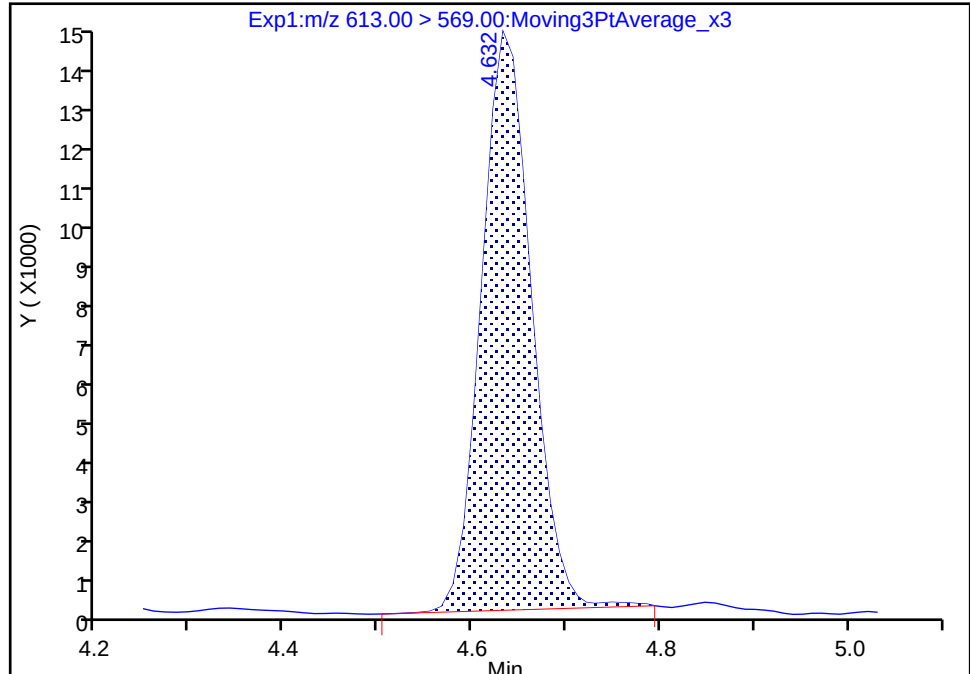
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

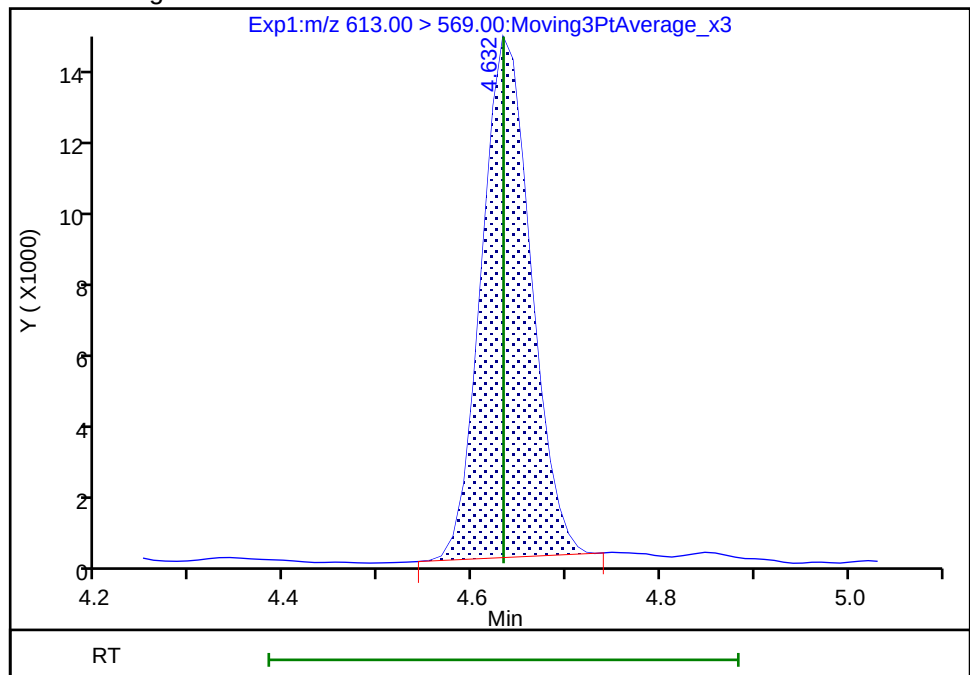
RT: 4.63
Area: 51071
Amount: 0.053596
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

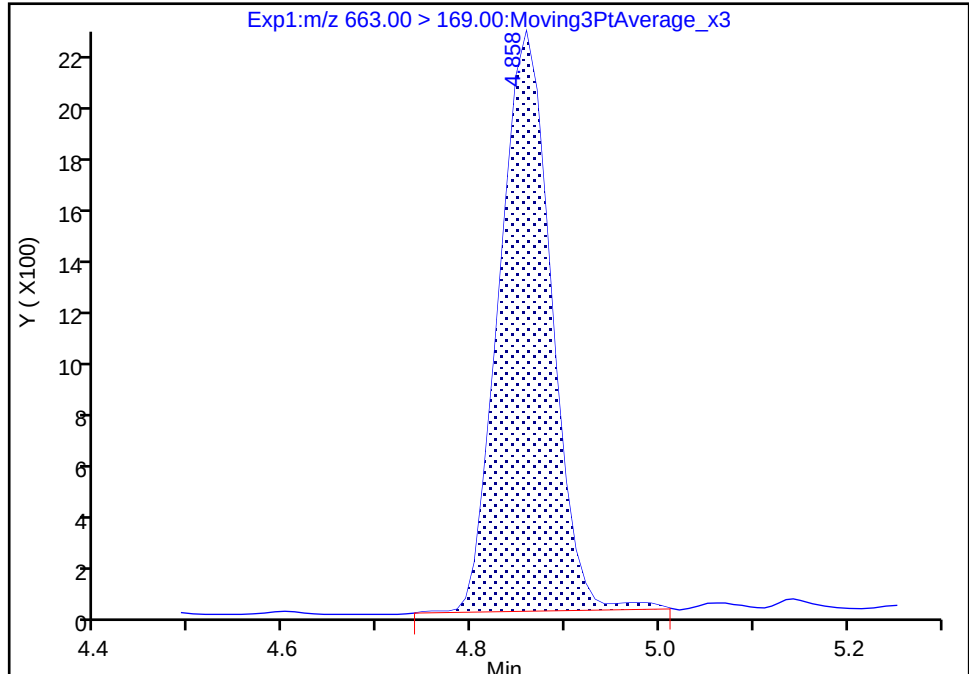
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

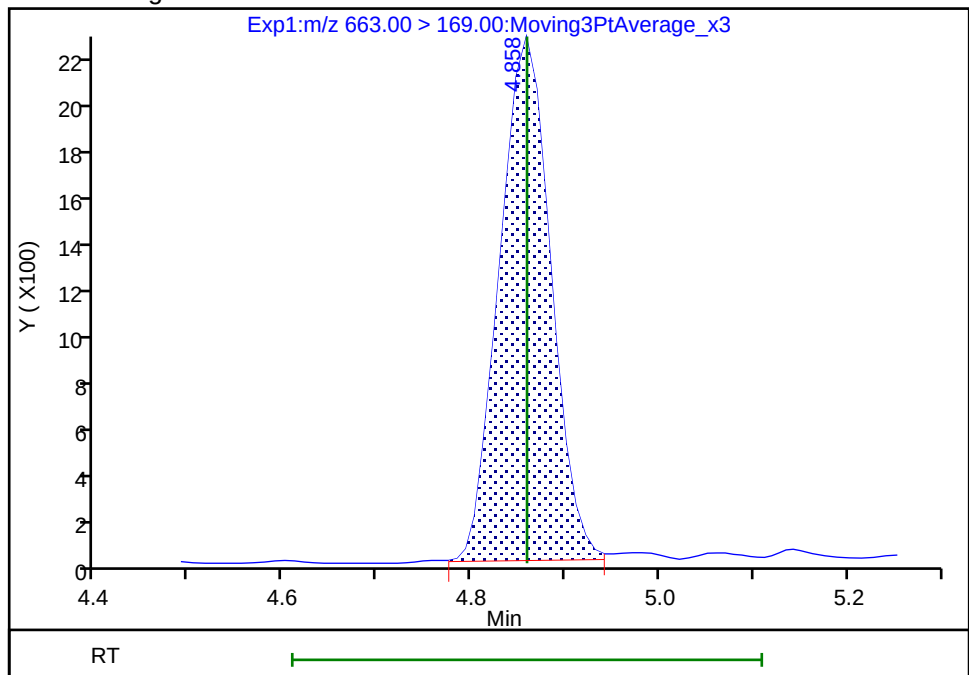
RT: 4.86
Area: 8618
Amount: 0.055810
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

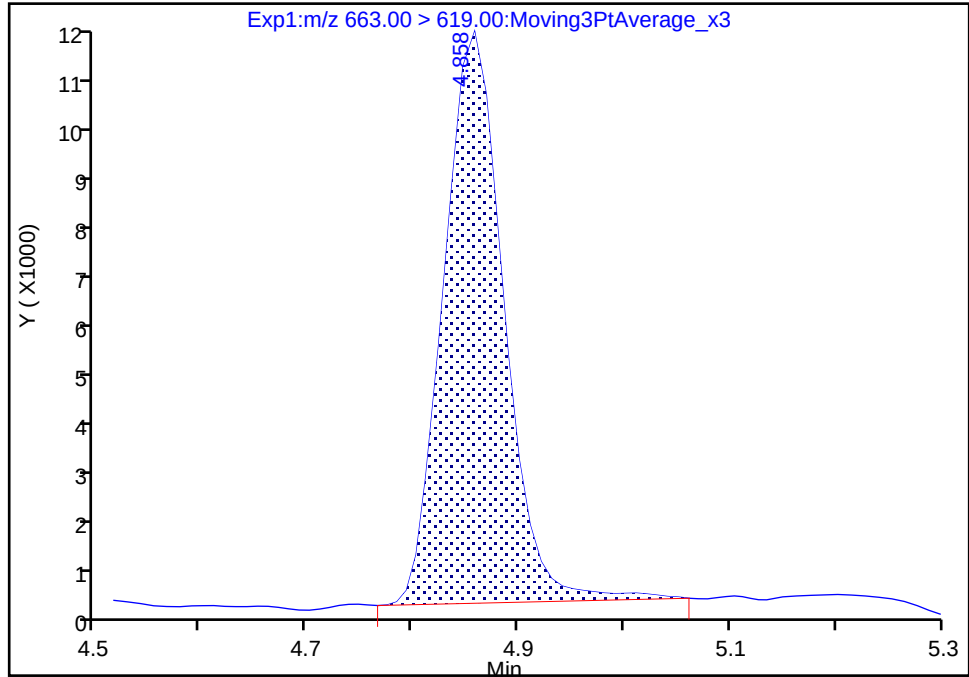
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

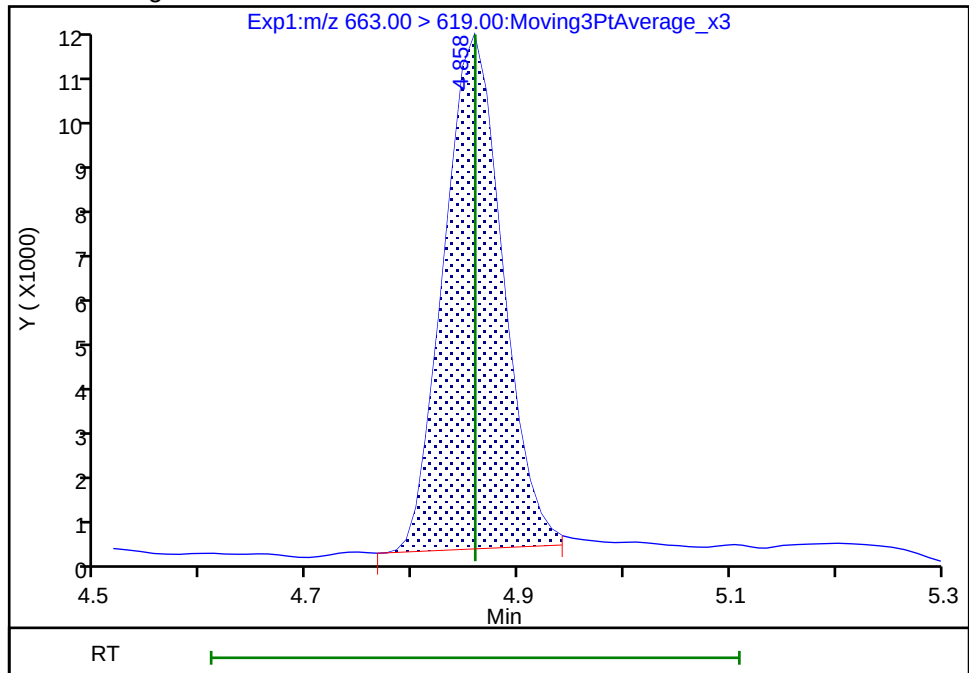
RT: 4.86
Area: 45775
Amount: 0.055810
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

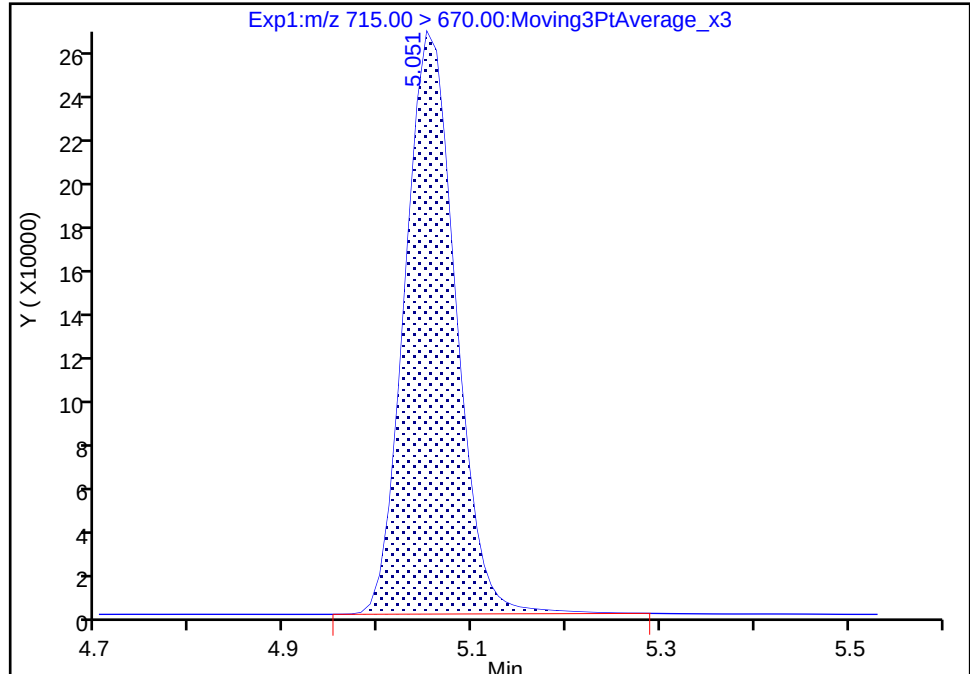
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

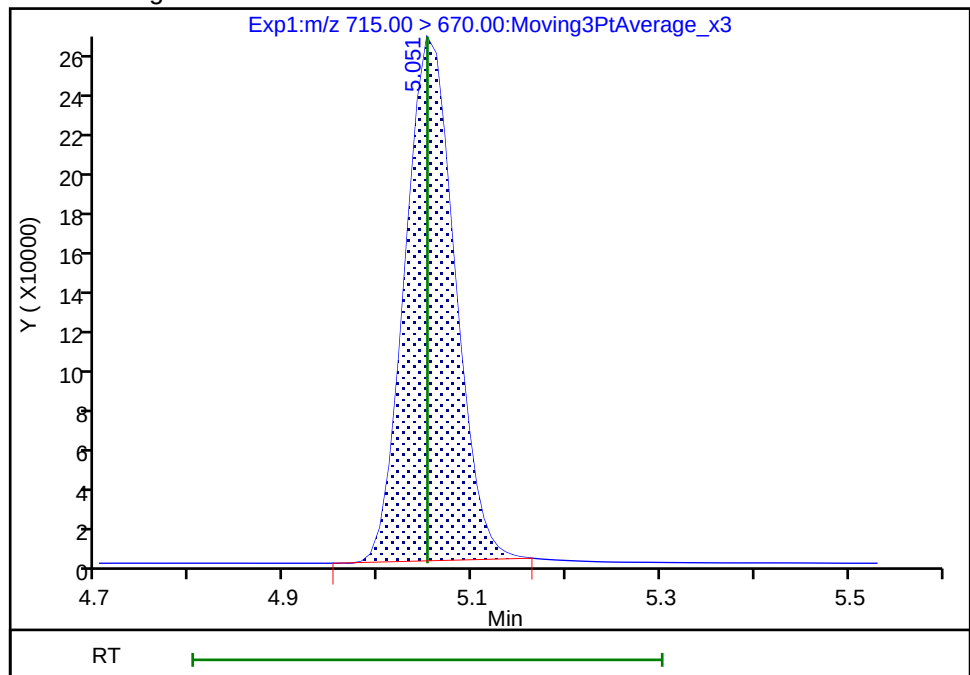
RT: 5.05
Area: 984371
Amount: 1.176053
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:25:06

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

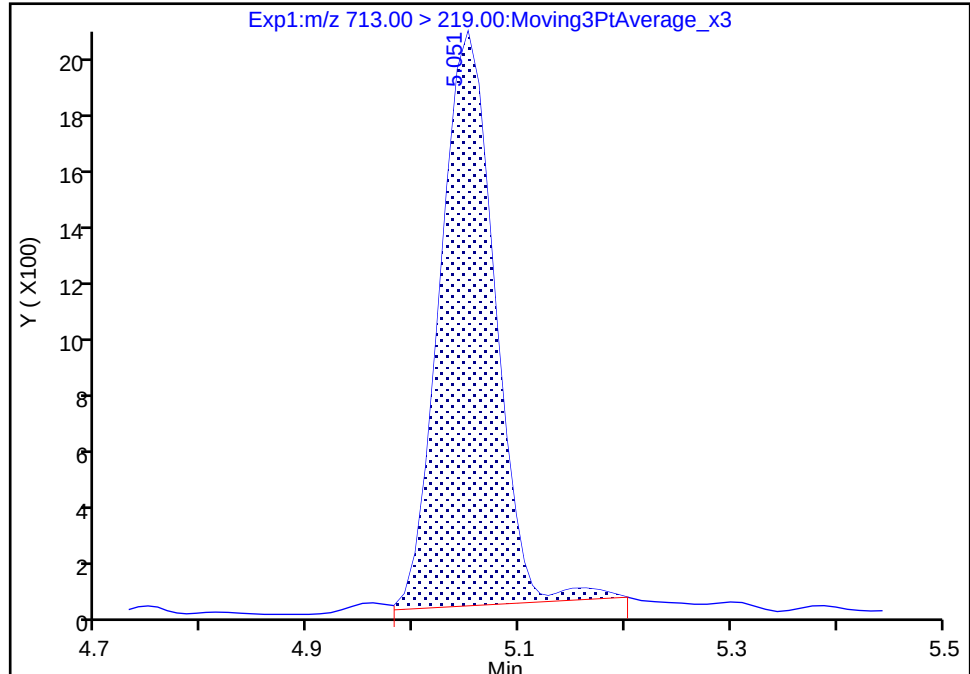
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

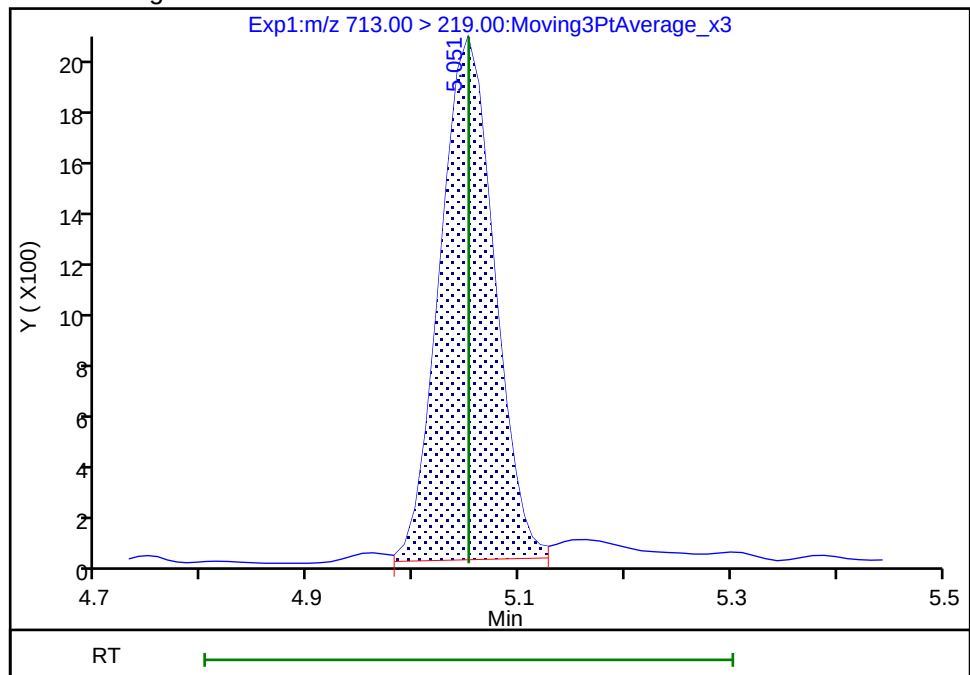
RT: 5.05
Area: 7341
Amount: 0.053800
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:24:53

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

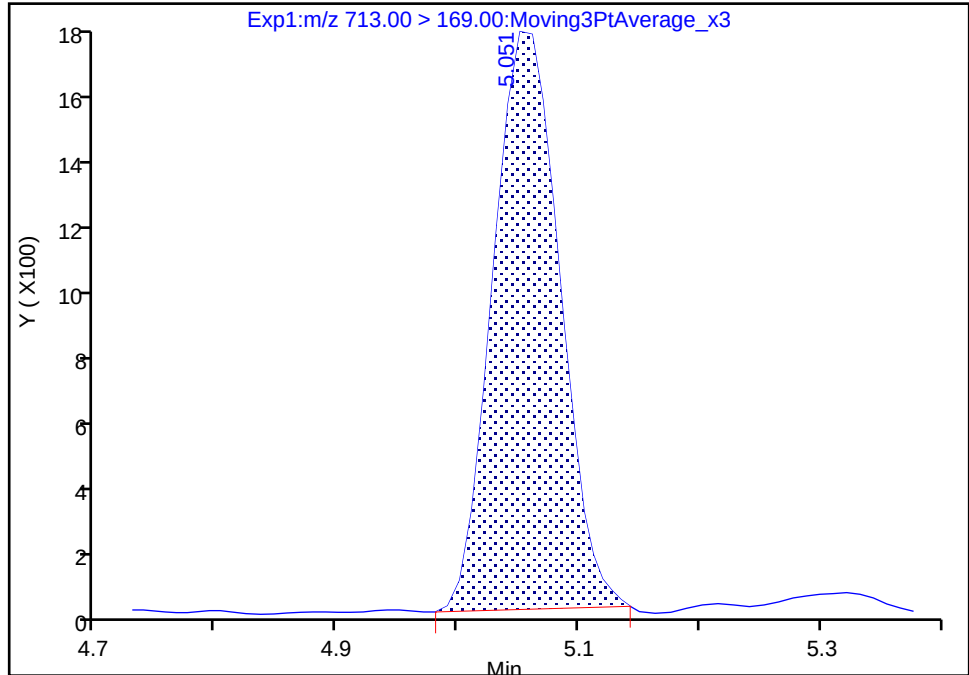
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

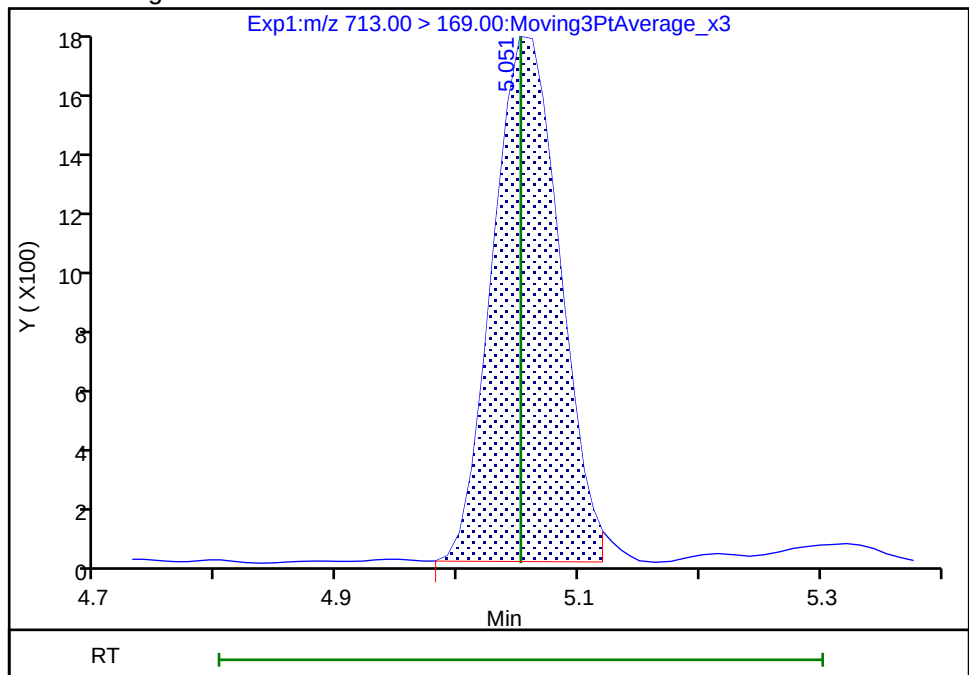
RT: 5.05
Area: 6674
Amount: 0.053800
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

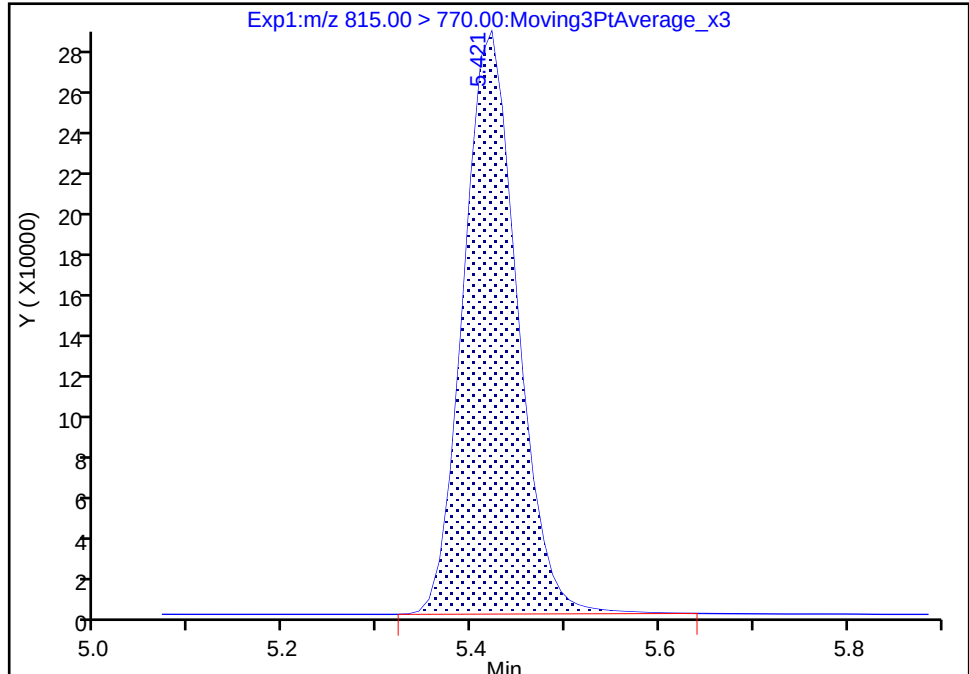
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 44 13C2 PFHxDA, CAS: STL02115

Signal: 1

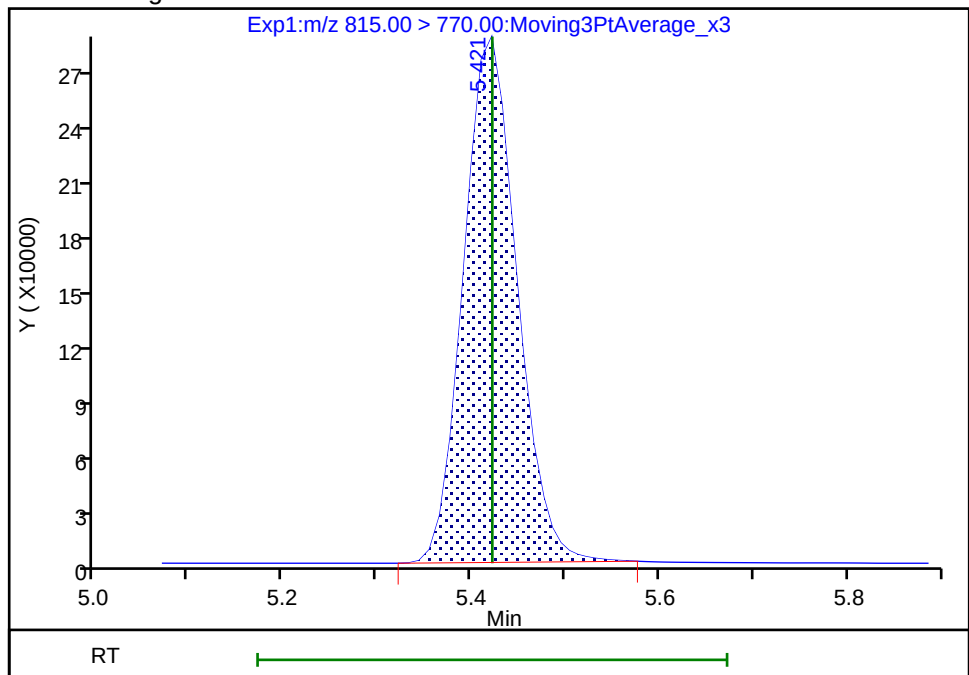
RT: 5.42
Area: 1135397
Amount: 1.284526
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

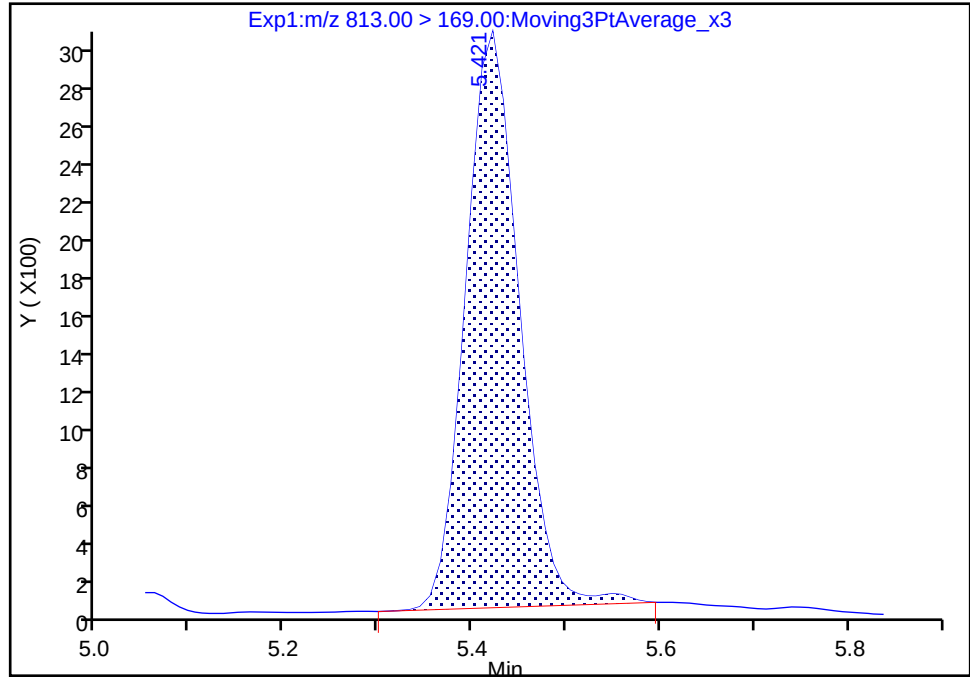
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 2

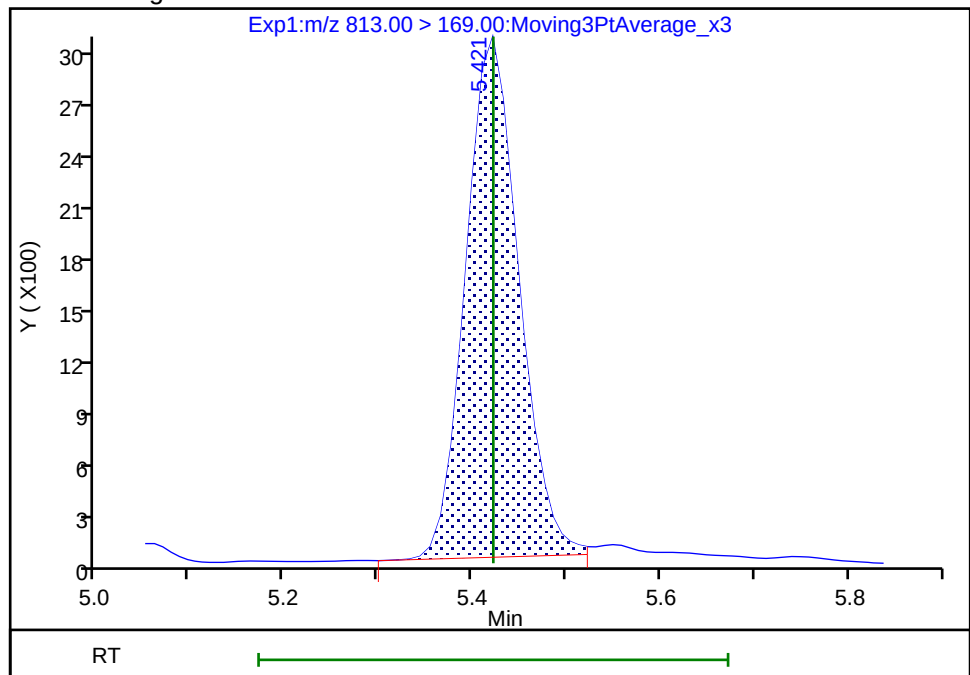
RT: 5.42
Area: 11997
Amount: 0.045585
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

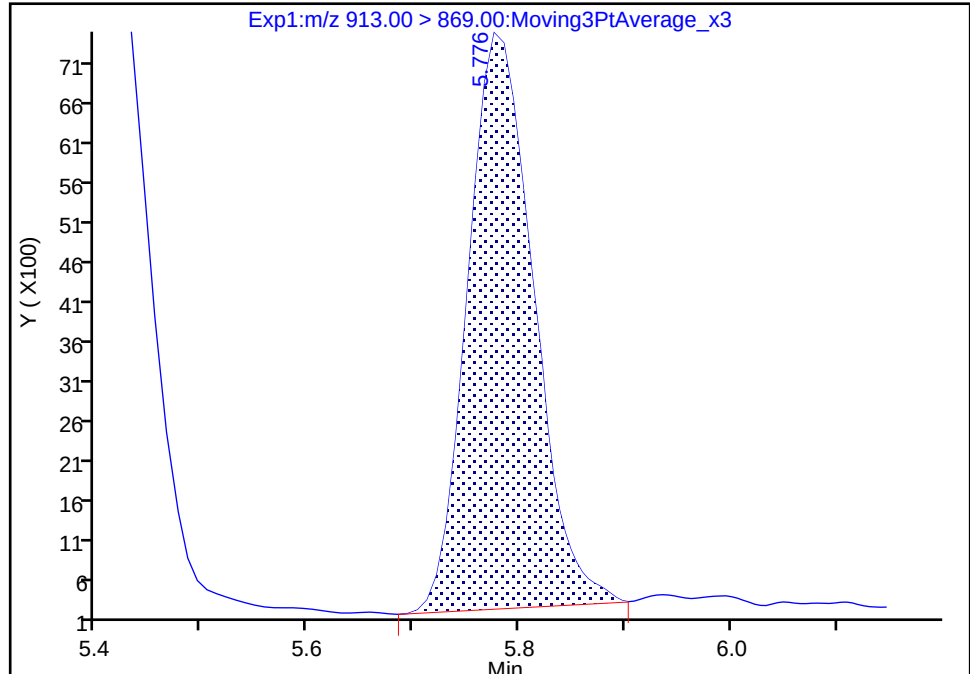
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

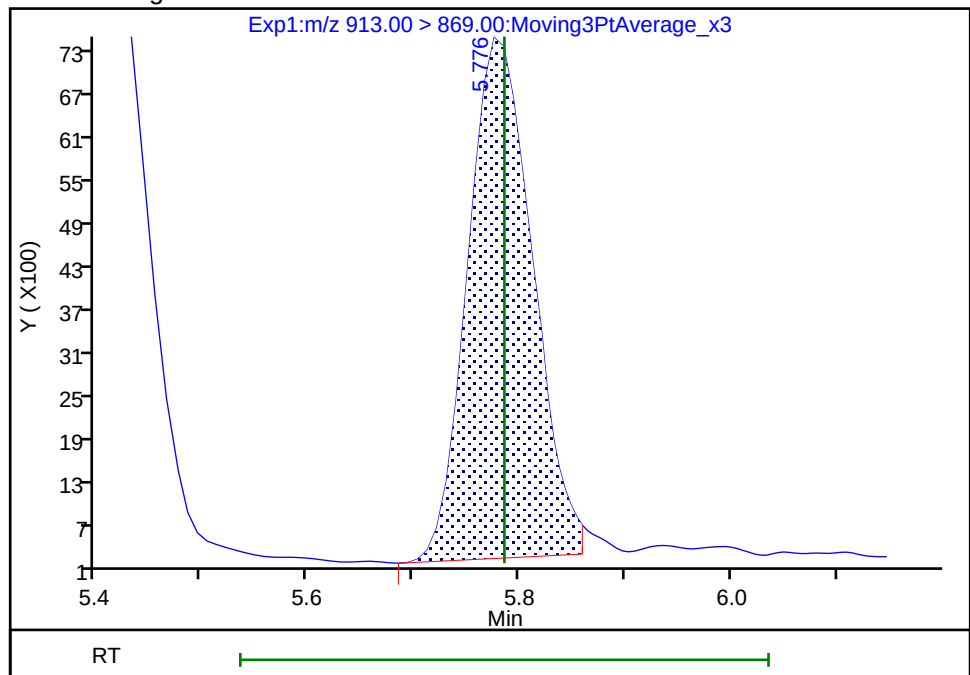
RT: 5.78
Area: 31050
Amount: 0.049381
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

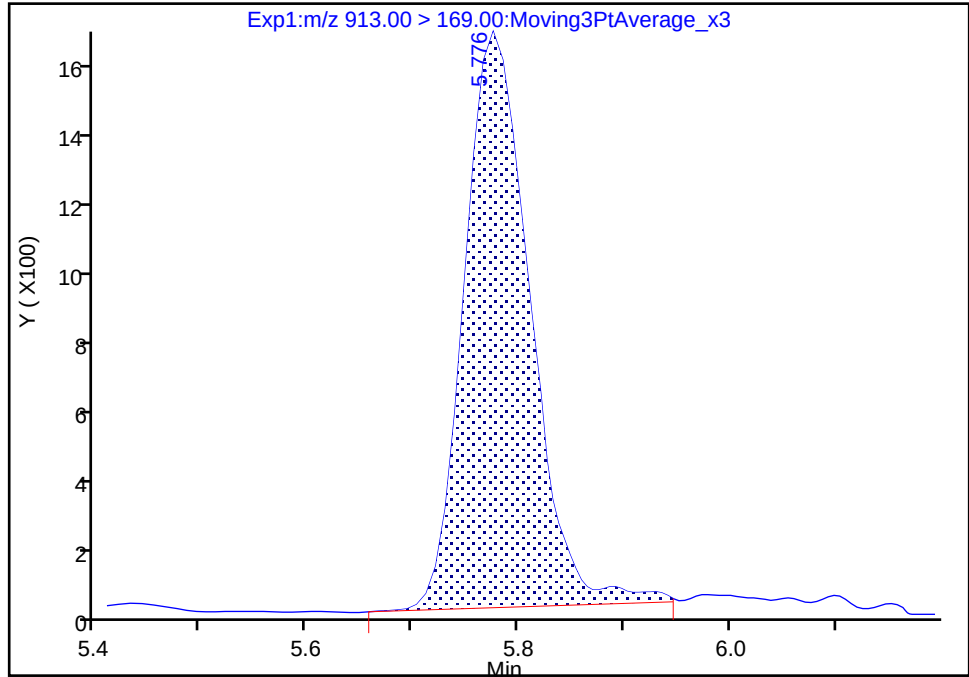
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

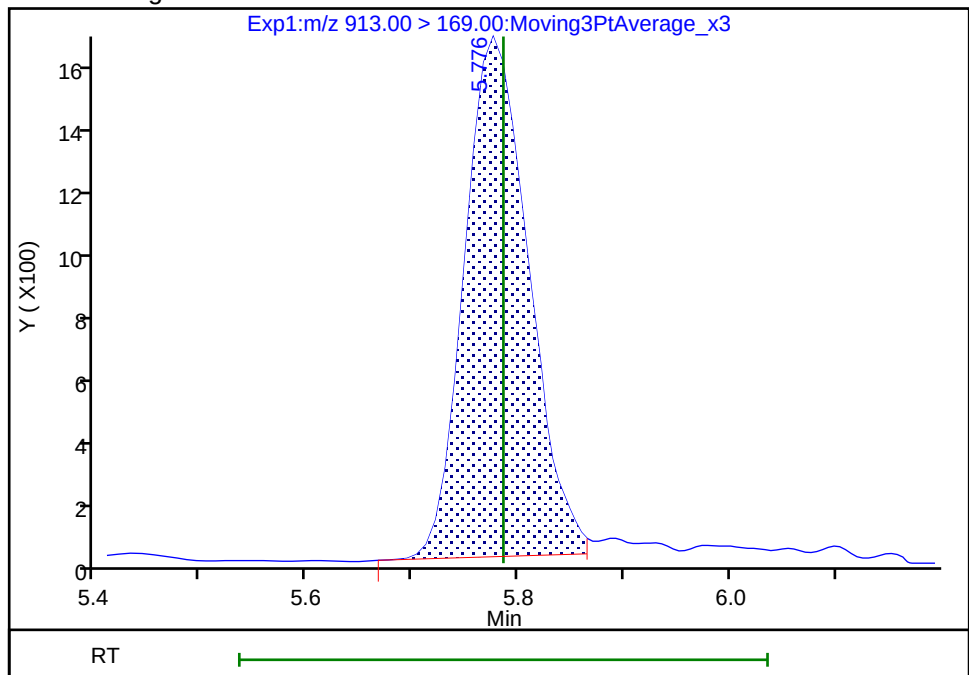
RT: 5.78
Area: 6968
Amount: 0.049381
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Page 354 of 1695

08/18/2022

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-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.492	4.491	0.001	1.184	155503	0.0961		102	864	
D 36 13C2 PFDaA										M
615.00 > 570.00	4.633	4.633	0.0	1.334	1231772	1.29		103	1843	M
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.633	4.633	0.0	1.000	100780	0.1008	Target=6.63	101	17.6	M
613.00 > 169.00	4.633	4.633	0.0	1.000	15506		6.50(3.32-9.95)	101	281	M
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.654	4.654	0.0	1.128	8639	0.1034		107	235	
75 Perfluorododecanesulfonic acid (										
699.00 > 80.00	4.812	4.813	-0.001	1.269	17866	0.0982	Target=0.54	101	334	
699.00 > 99.00	4.812	4.813	-0.001	1.269	33321		0.54(0.27-0.81)	101	562	
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.848	4.859	-0.011	1.046	86868	0.1003	Target=4.62	100	16.2	M
663.00 > 169.00	4.848	4.859	-0.011	1.046	19158		4.53(2.31-6.94)	100	128	M
D 43 13C2 PFTeDA										M
715.00 > 670.00	5.052	5.052	0.0	1.454	974562	1.25		100	1410	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.052	5.052	0.0	1.000	12683	0.1015	Target=0.94	102	142	
713.00 > 219.00	5.042	5.052	-0.010	0.998	13008		0.98(0.47-1.41)	102	143	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
45 Perfluorohexadecanoic acid										
813.00 > 769.00	5.411	5.422	-0.011	1.000	98813	0.1008	Target=4.40	101	23.4	
813.00 > 169.00	5.411	5.422	-0.011	1.000	22226		4.45(2.20-6.59)	101	181	
D 44 13C2 PFHxDA										
815.00 > 770.00	5.411	5.422	-0.011	1.558	1136259	1.28		102	2164	M
46 Perfluorooctadecanoic acid										
913.00 > 869.00	5.776	5.786	-0.010	1.068	64267	0.1063	Target=4.42	106	20.1	M
913.00 > 169.00	5.776	5.786	-0.010	1.068	14493		4.43(2.21-6.63)	106	119	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PFAS32NCIC2_00012

Amount Added: 100.00

Units: uL

Eurofins Burlington

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

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

Instrument ID: LC812

Lims ID: IC

Client ID:

Operator ID: lc812tech

ALS Bottle#: 3

Worklist Smp#: 6

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

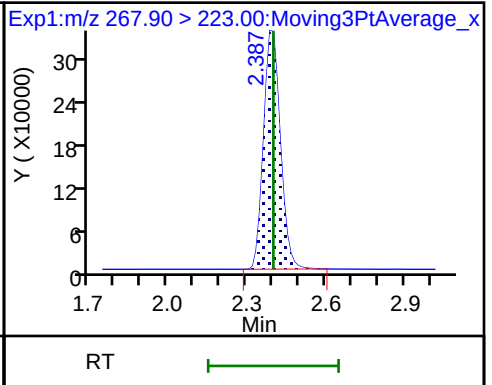
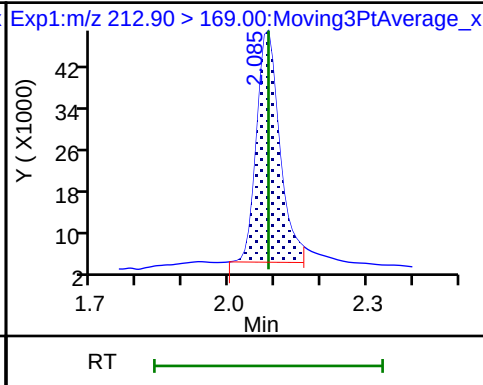
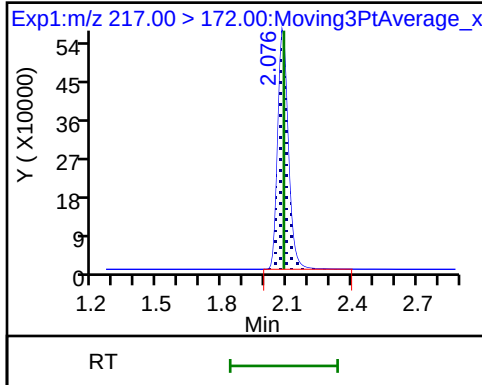
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

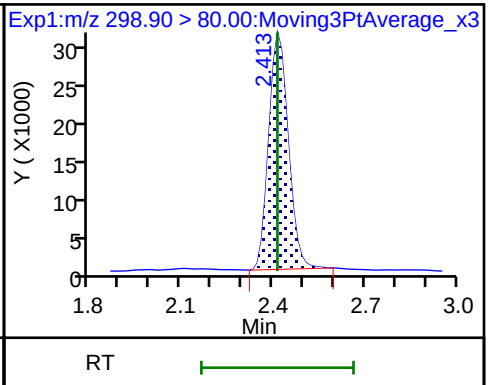
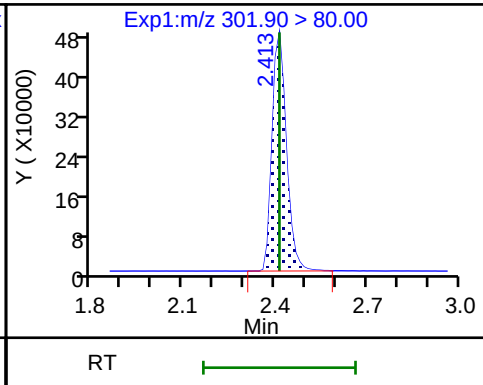
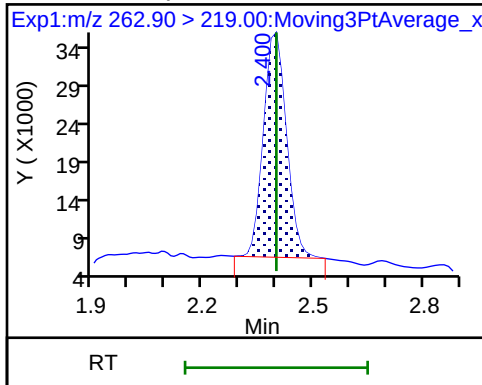
D 3 13C5 PFPeA



4 Perfluoropentanoic acid

D 47 13C3 PFBS

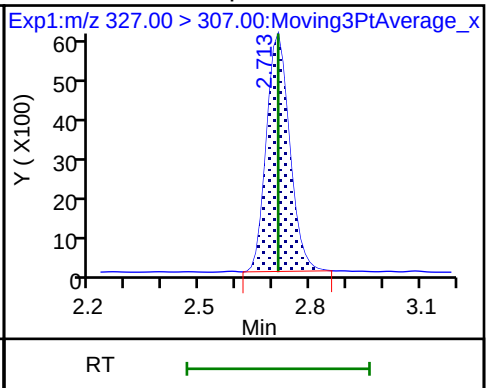
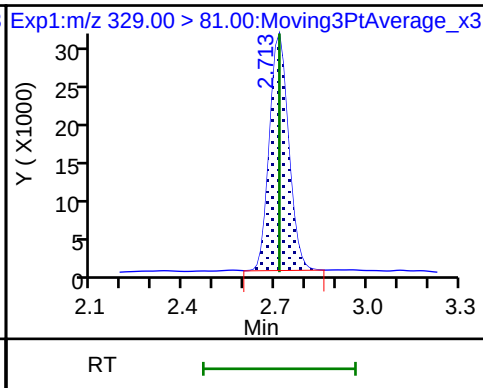
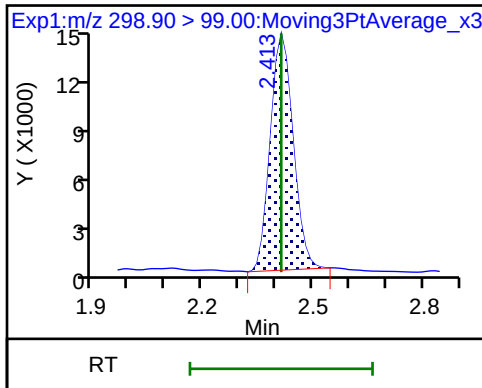
5 Perfluorobutanesulfonic acid



5 Perfluorobutanesulfonic acid

D 60 M2-4:2 FTS

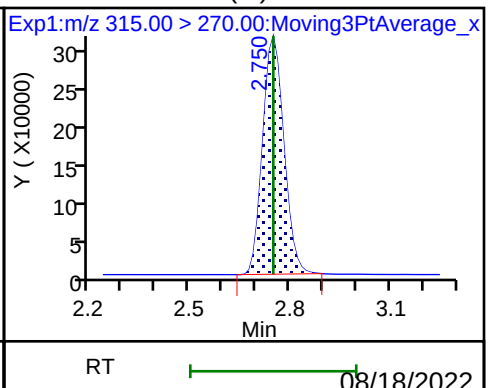
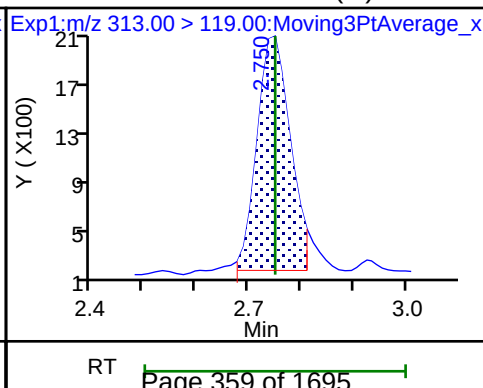
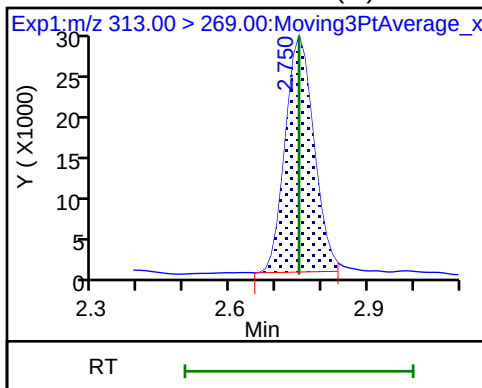
61 1H,1H,2H,2H-perfluorohexanesulfo

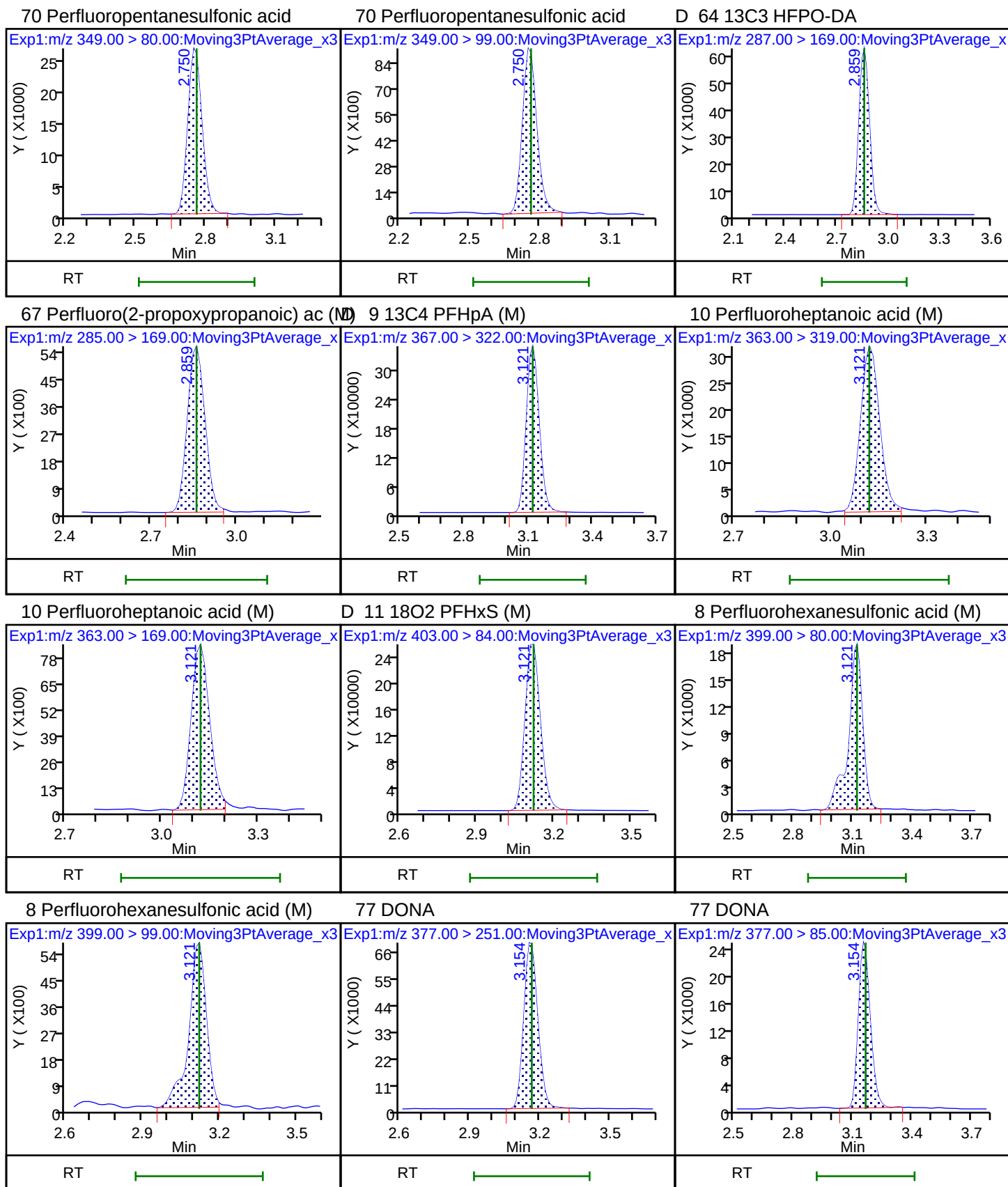


6 Perfluorohexanoic acid (M)

6 Perfluorohexanoic acid (M)

D 7 13C2 PFHxA (M)

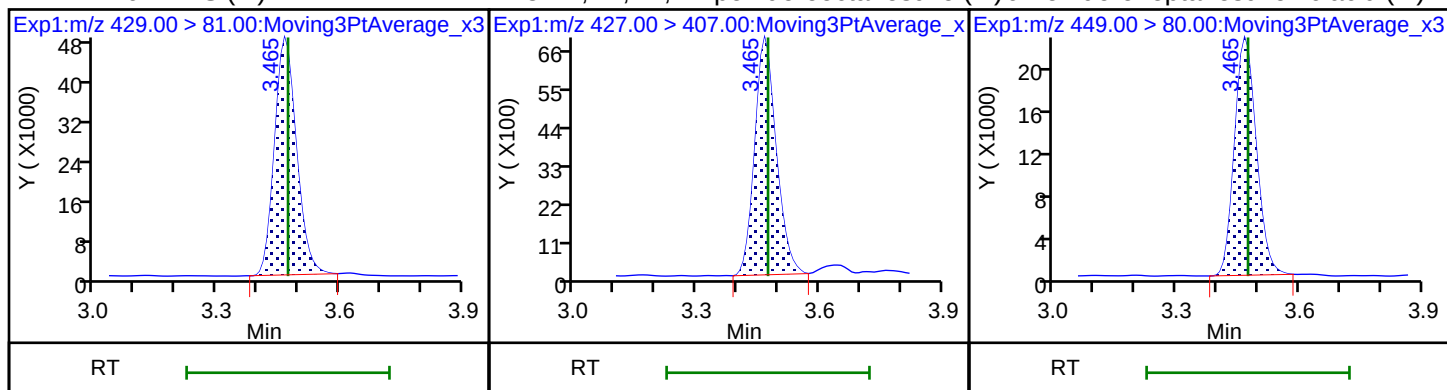




D 12 M2-6:2 FTS (M)

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

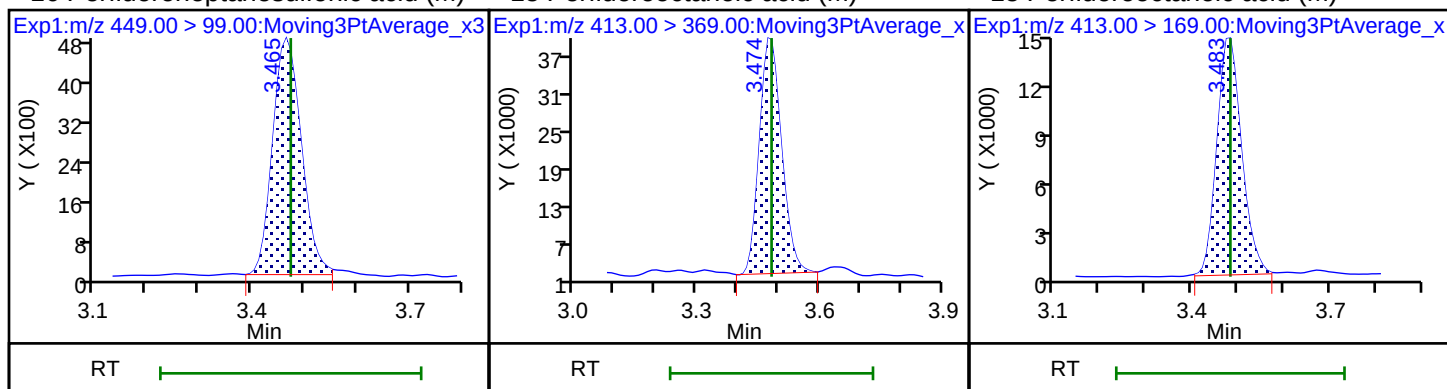
16 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M)

15 Perfluorooctanoic acid (M)

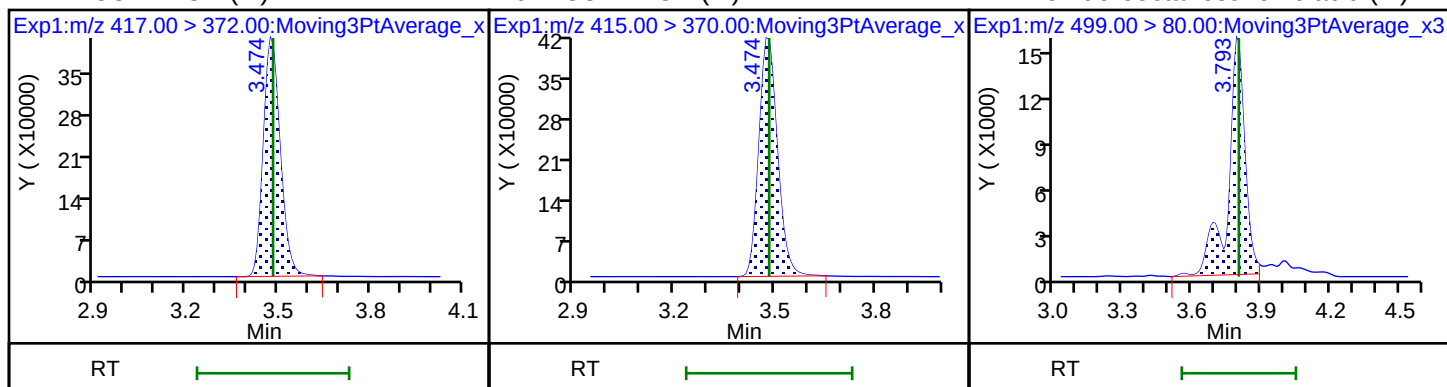
15 Perfluorooctanoic acid (M)



D 14 13C4 PFOA (M)

* 62 13C2 PFOA (M)

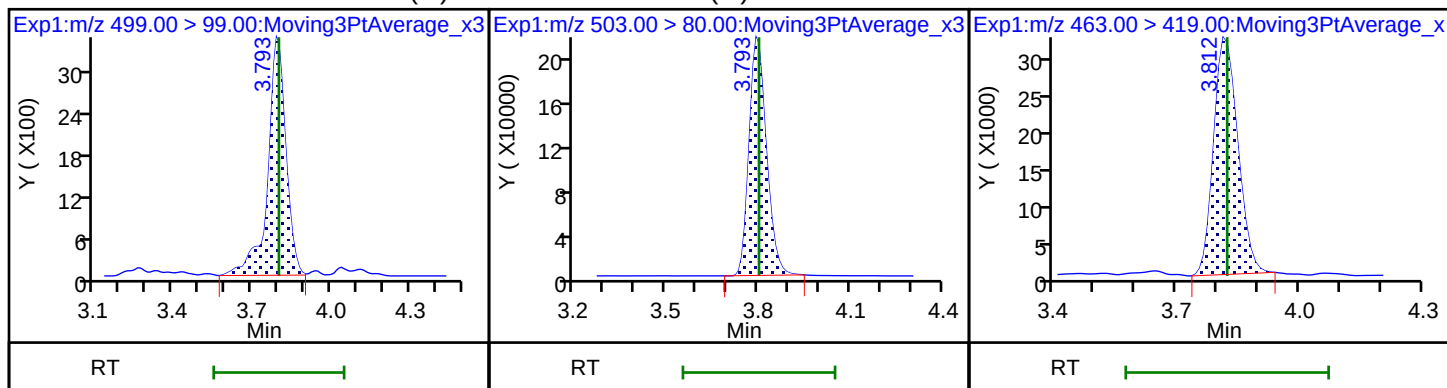
17 Perfluorooctanesulfonic acid (M)

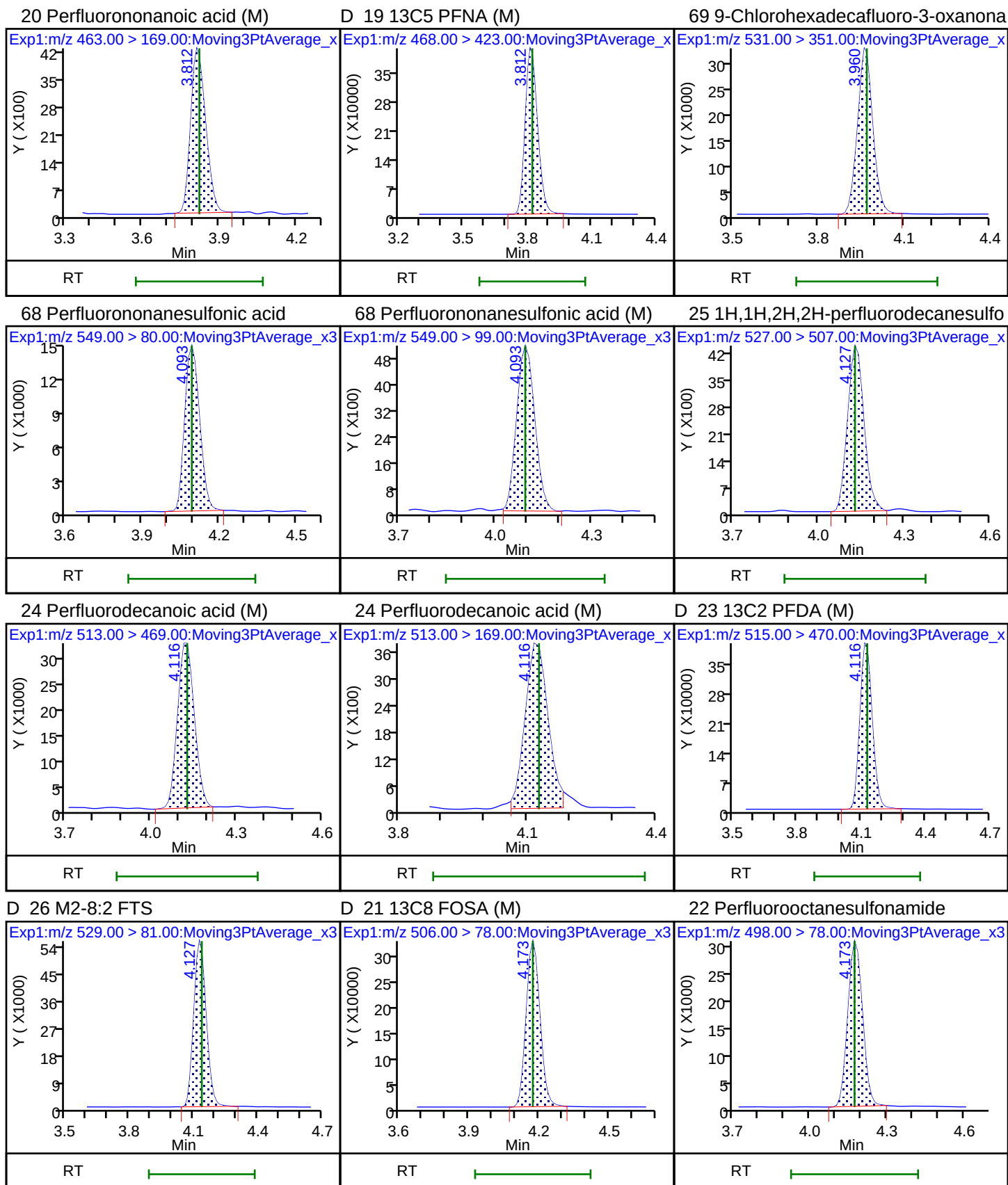


17 Perfluorooctanesulfonic acid (M)

D 18 13C4 PFOS (M)

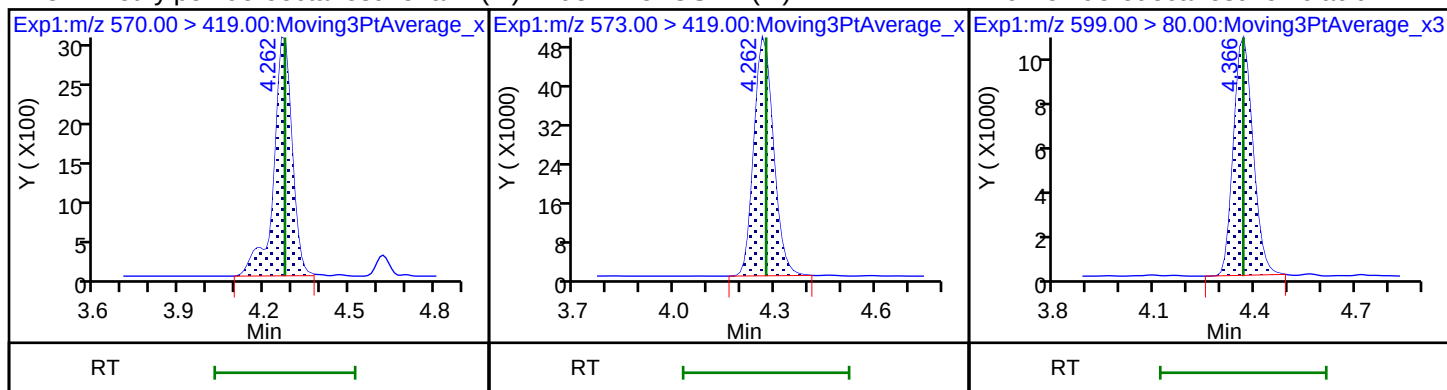
20 Perfluorononanoic acid





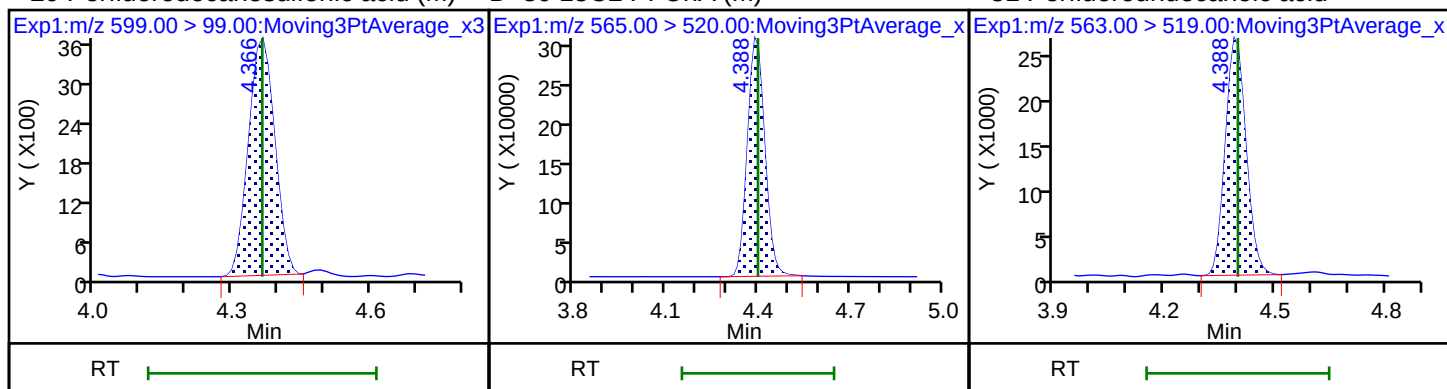
28 N-methylperfluorooctanesulfonami (M) 27 d3-NMeFOSAA (M)

29 Perfluorodecanesulfonic acid



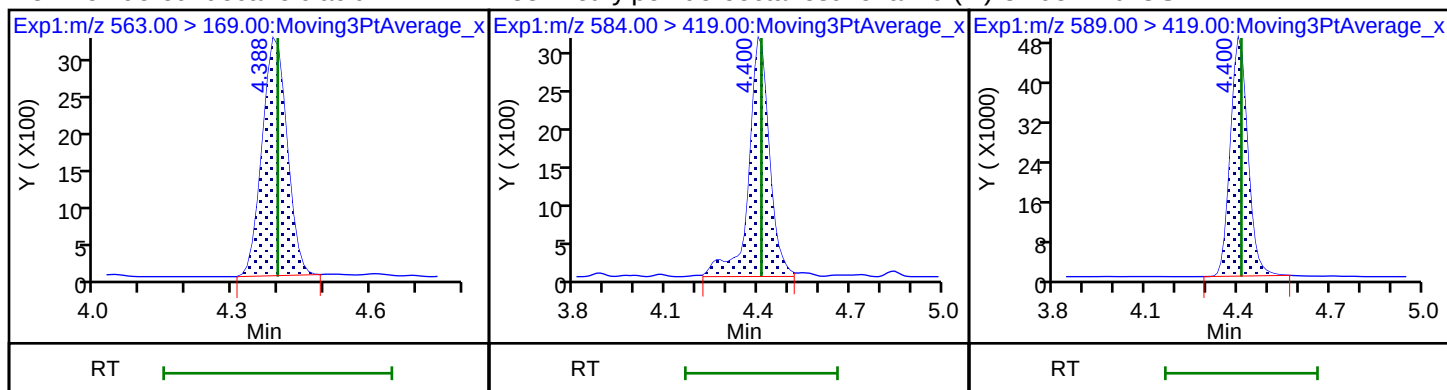
29 Perfluorodecanesulfonic acid (M) D 30 13C2 PFUnA (M)

31 Perfluoroundecanoic acid



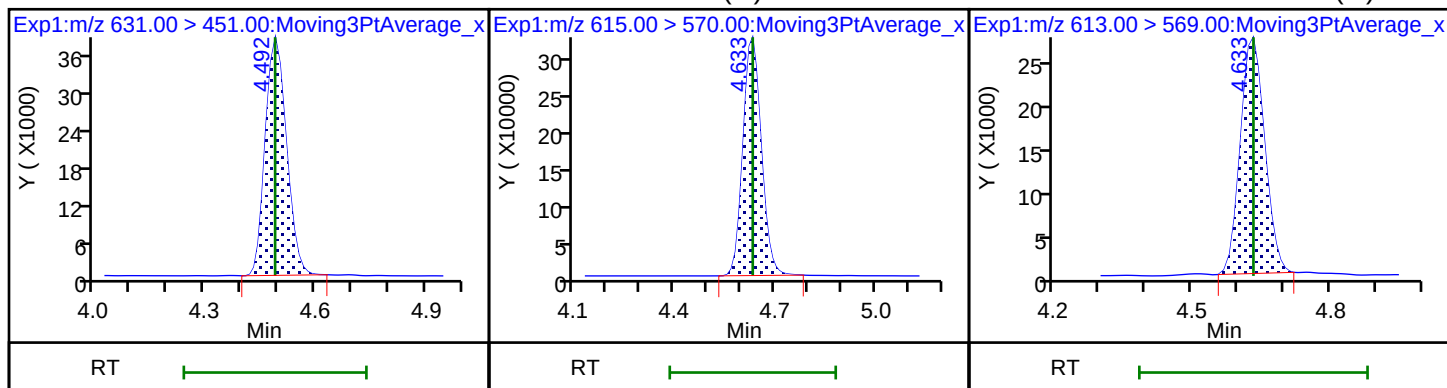
31 Perfluoroundecanoic acid

33 N-ethylperfluorooctanesulfonamid (M) 32 d5-NEtFOSAA

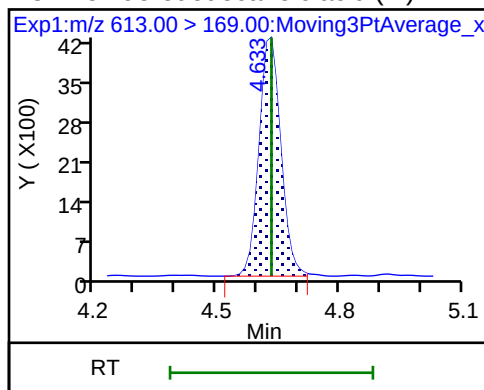


66 11-Chloroeicosafluoro-3-oxaundec D 36 13C2 PFDaA (M)

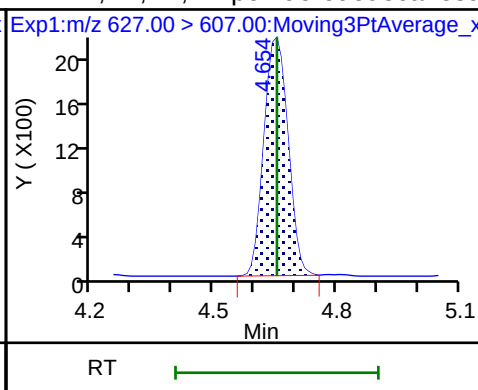
37 Perfluorododecanoic acid (M)



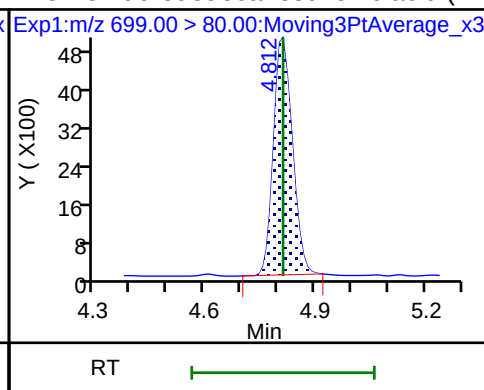
37 Perfluorododecanoic acid (M)



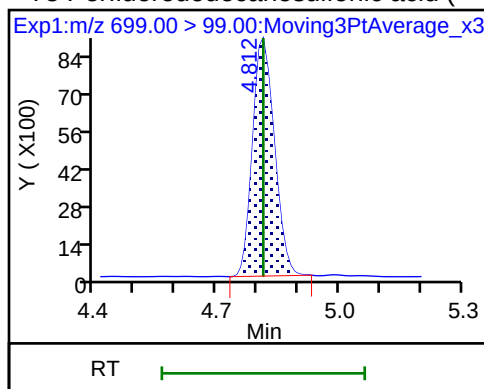
74 1H,1H,2H,2H-perfluorododecanesul



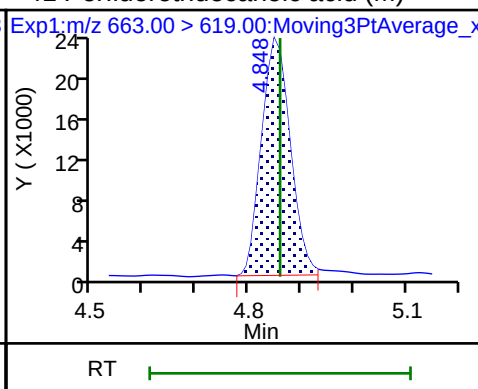
75 Perfluorododecanesulfonic acid (



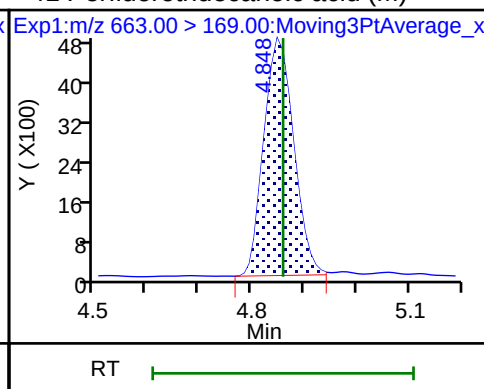
75 Perfluorododecanesulfonic acid (



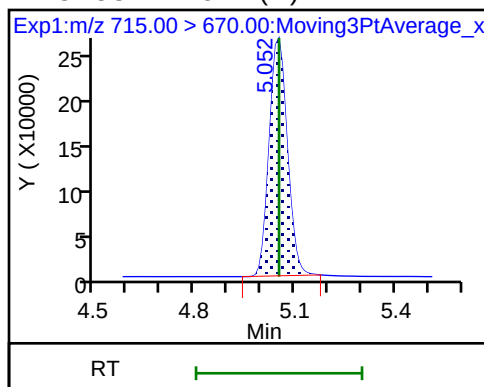
41 Perfluorotridecanoic acid (M)



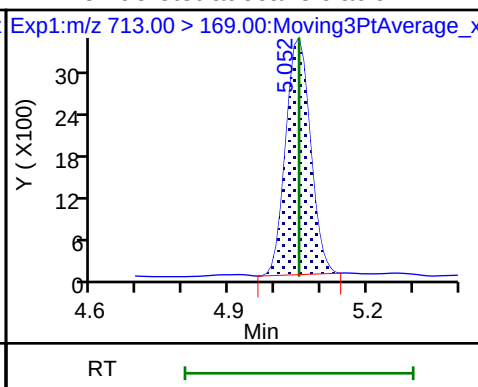
41 Perfluorotridecanoic acid (M)



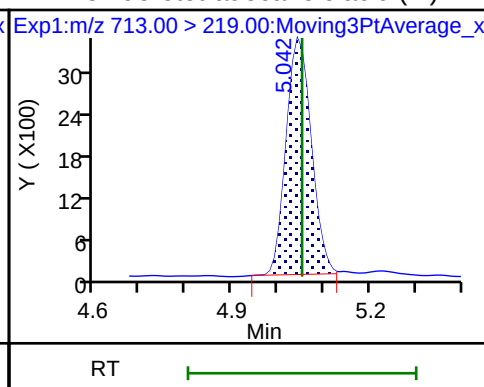
D 43 13C2 PFTeDA (M)



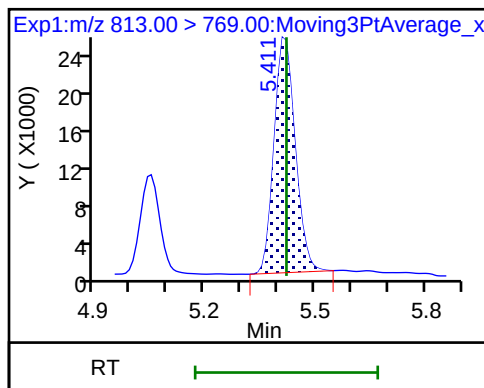
42 Perfluorotetradecanoic acid



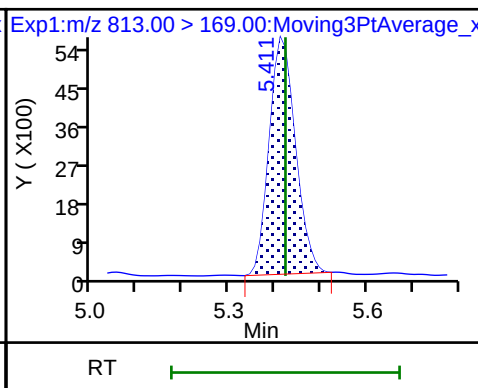
42 Perfluorotetradecanoic acid (M)



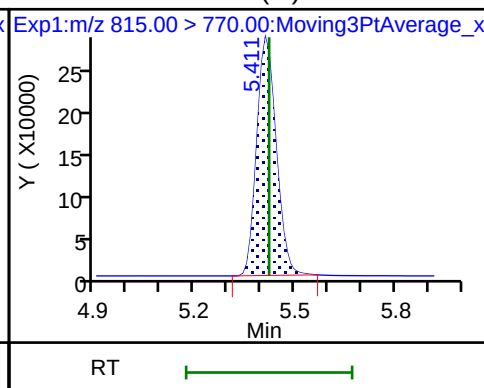
45 Perfluorohexadecanoic acid



45 Perfluorohexadecanoic acid

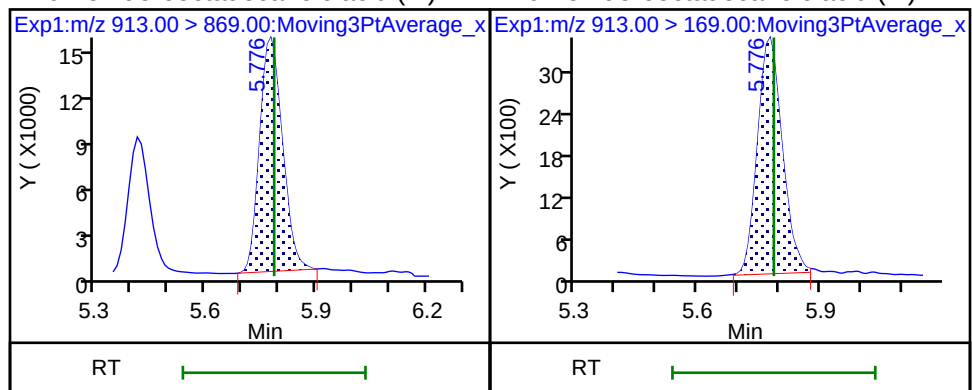


D 44 13C2 PFHxDA (M)



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

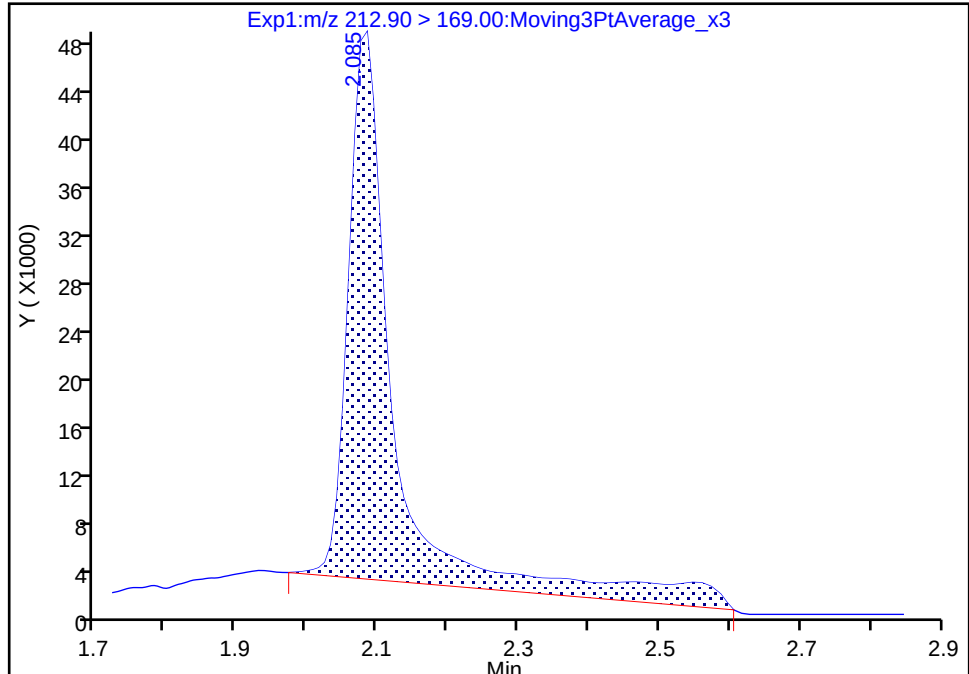
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

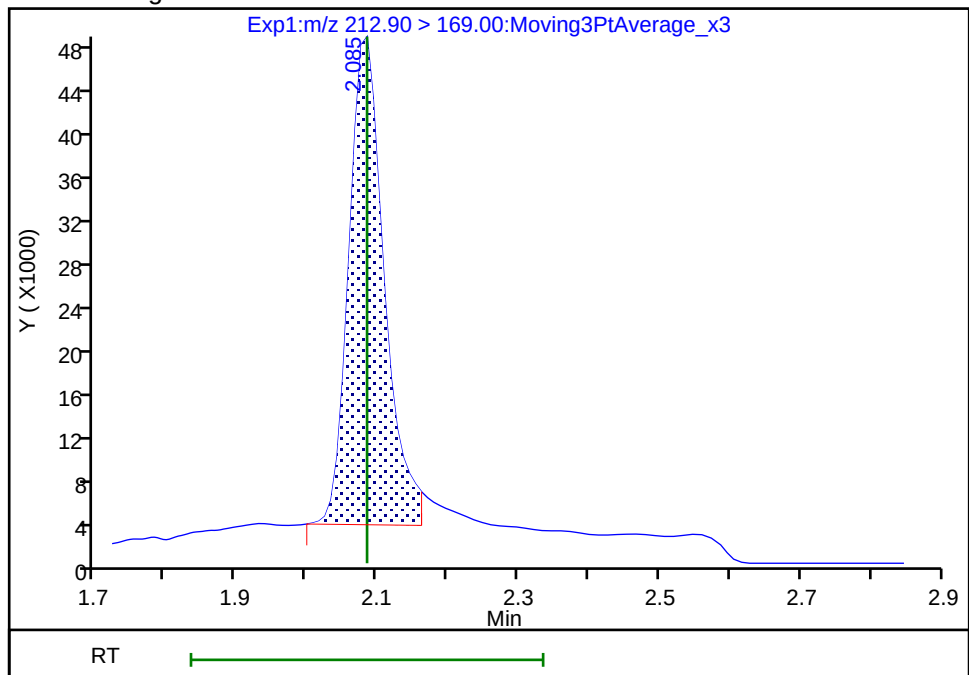
RT: 2.09
Area: 204853
Amount: 0.132742
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:30:34
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

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

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

Instrument ID: LC812

Lims ID: IC

Client ID:

Operator ID: lc812tech

ALS Bottle#:

3

Worklist Smp#: 6

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

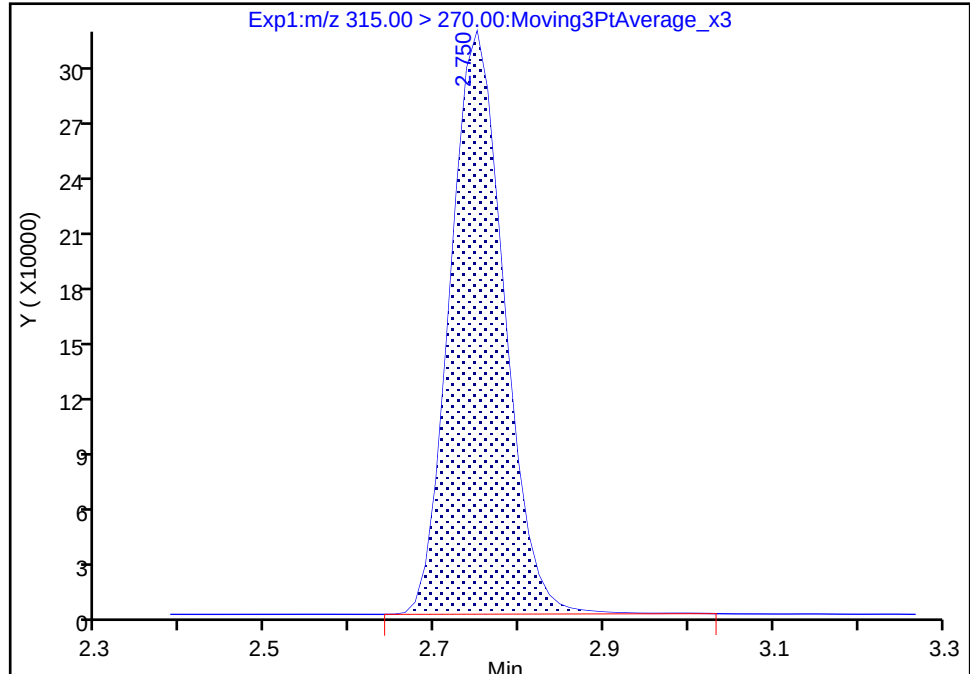
Detector: EXP1

D 7 13C2 PFHxA, CAS: STL00993

Signal: 1

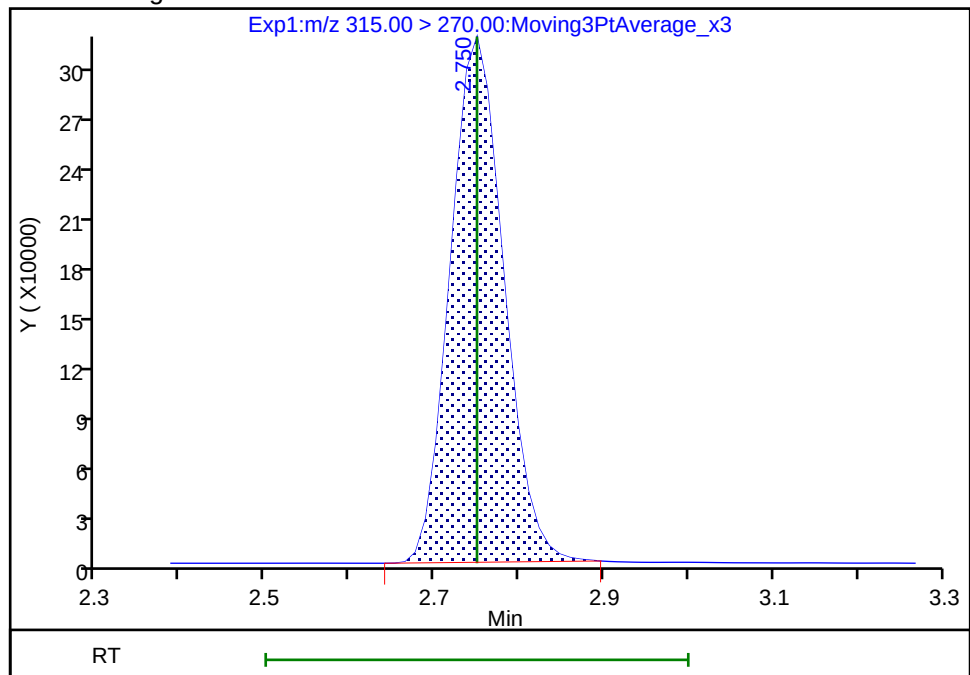
RT: 2.75
Area: 1380979
Amount: 1.276360
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:30:50

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

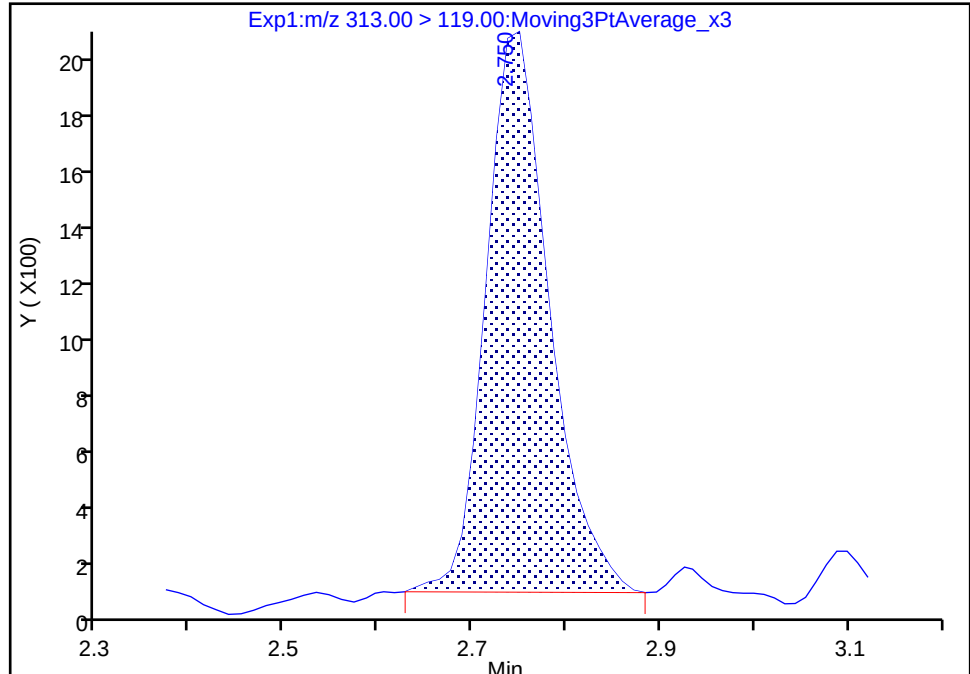
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

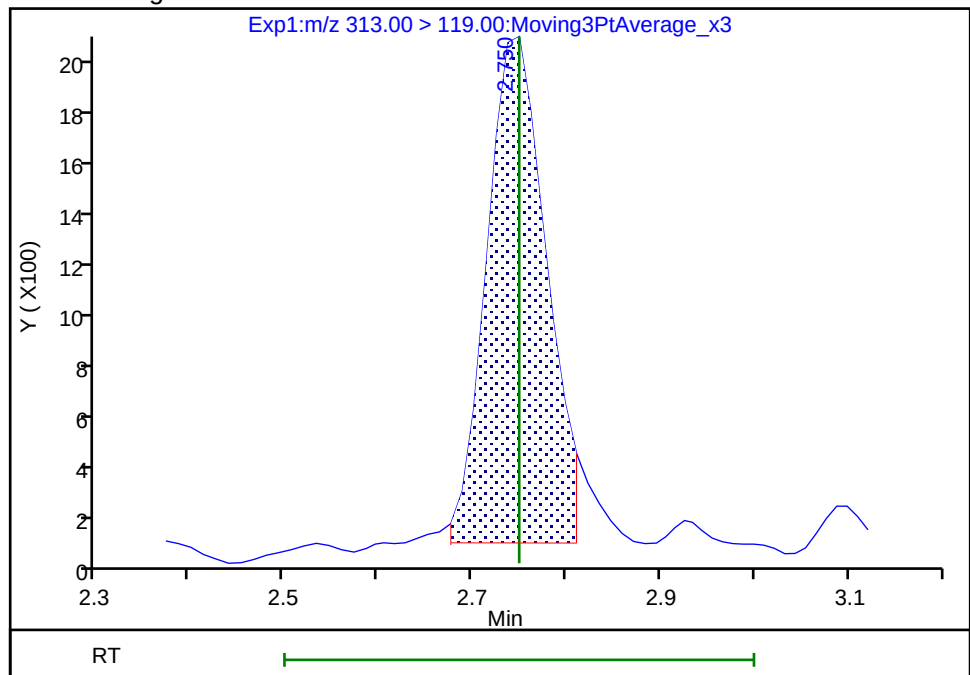
RT: 2.75
Area: 8940
Amount: 0.106334
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

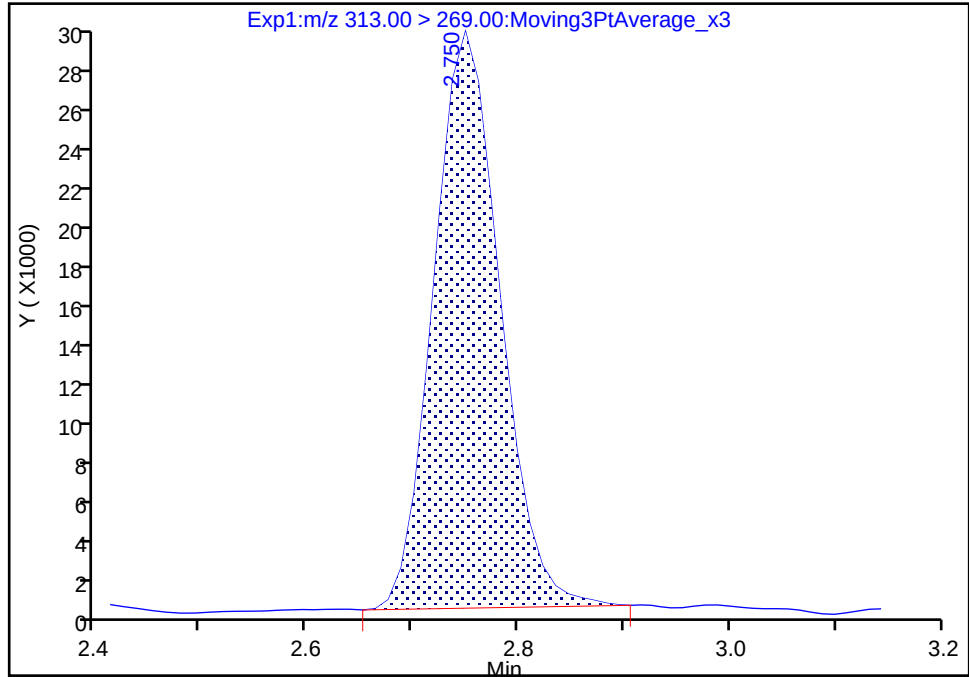
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

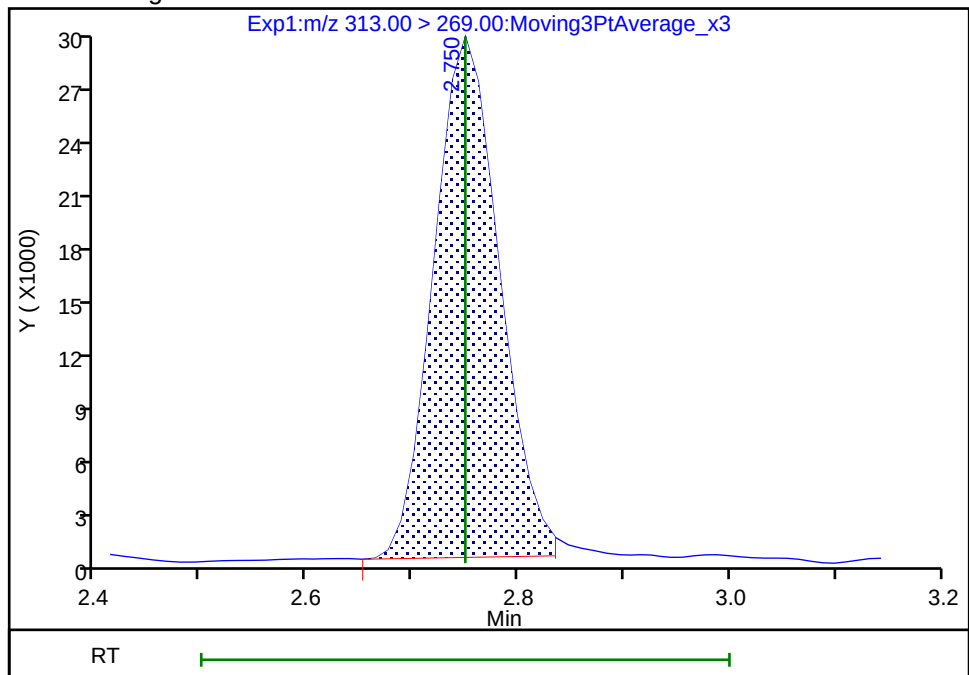
RT: 2.75
Area: 125417
Amount: 0.106334
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

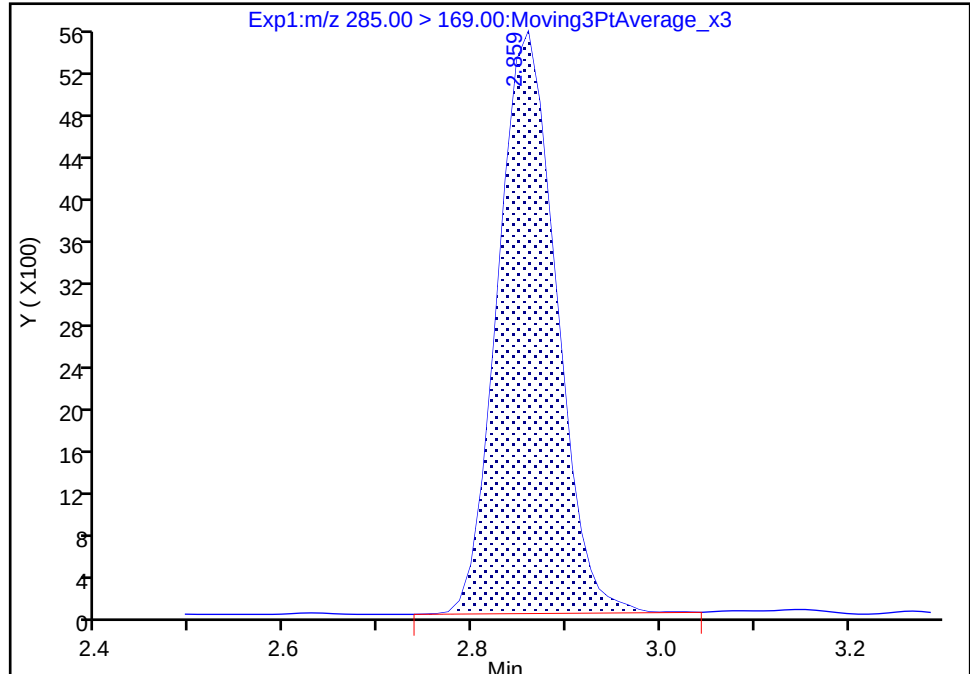
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

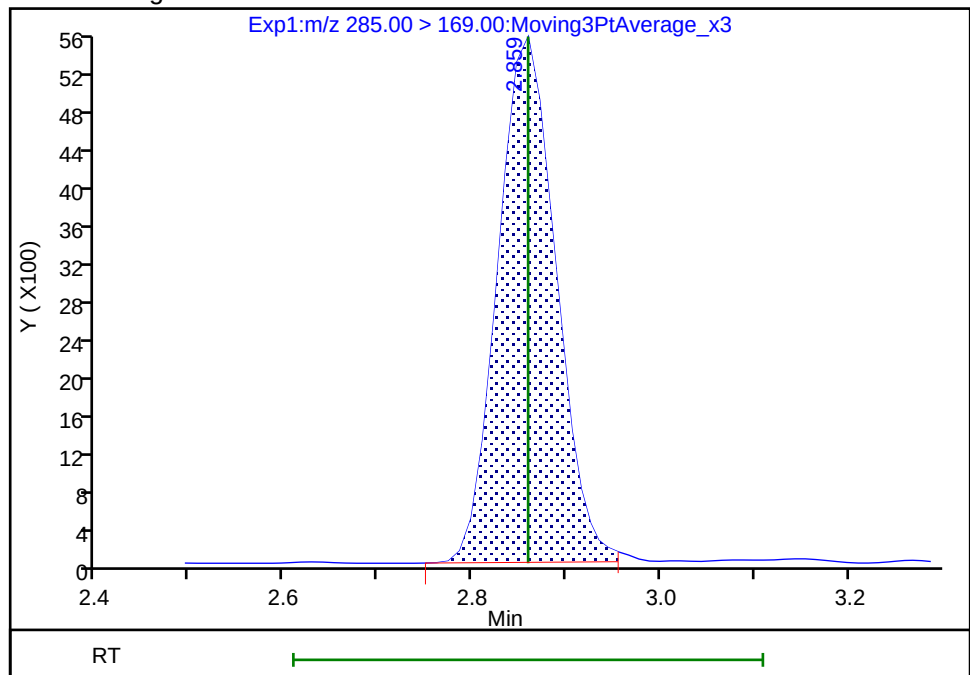
RT: 2.86
Area: 23780
Amount: 0.100286
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

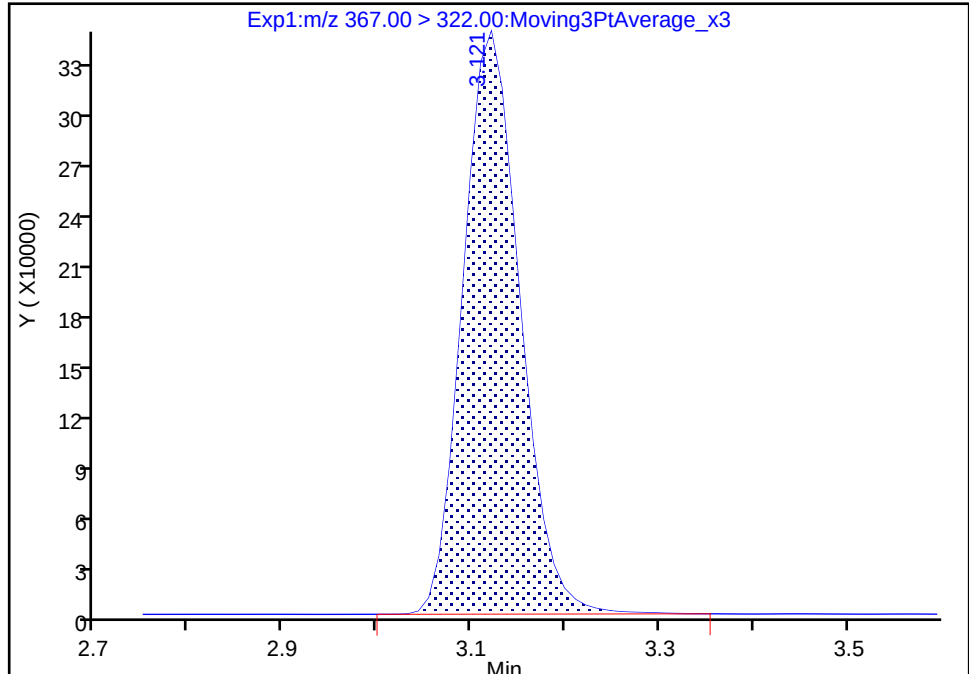
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 9 13C4 PFHpA, CAS: STL01892

Signal: 1

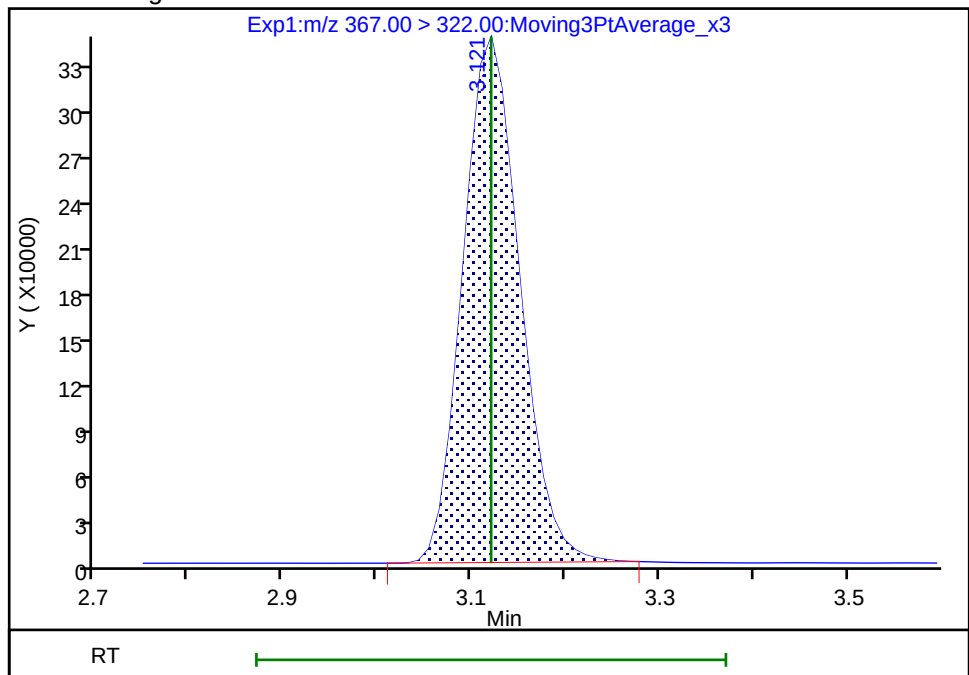
RT: 3.12
Area: 1444587
Amount: 1.255711
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

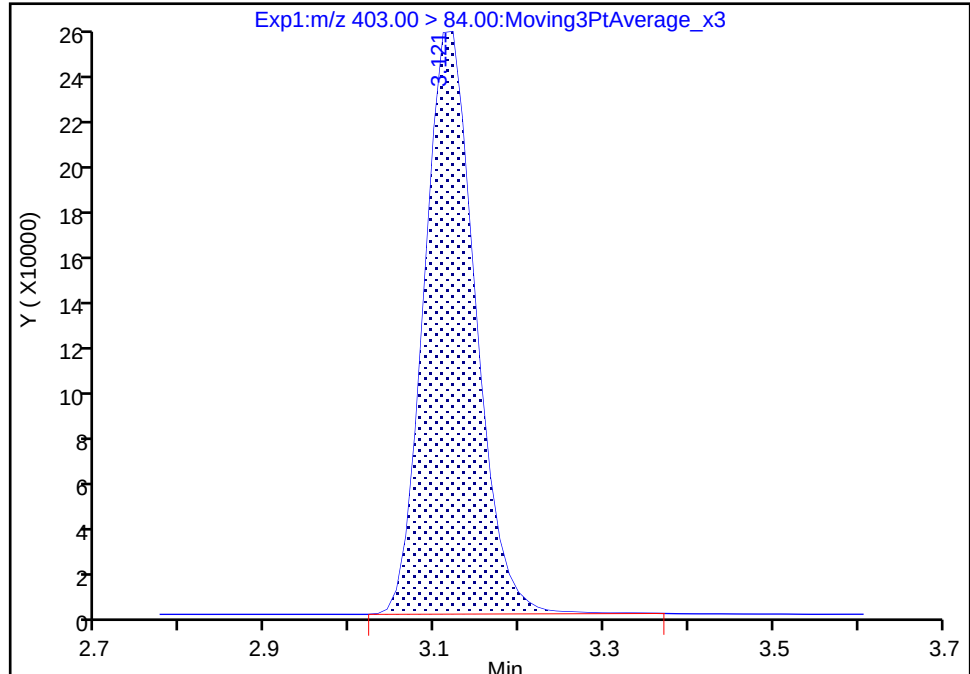
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 11 18O2 PFHxS, CAS: STL00994

Signal: 1

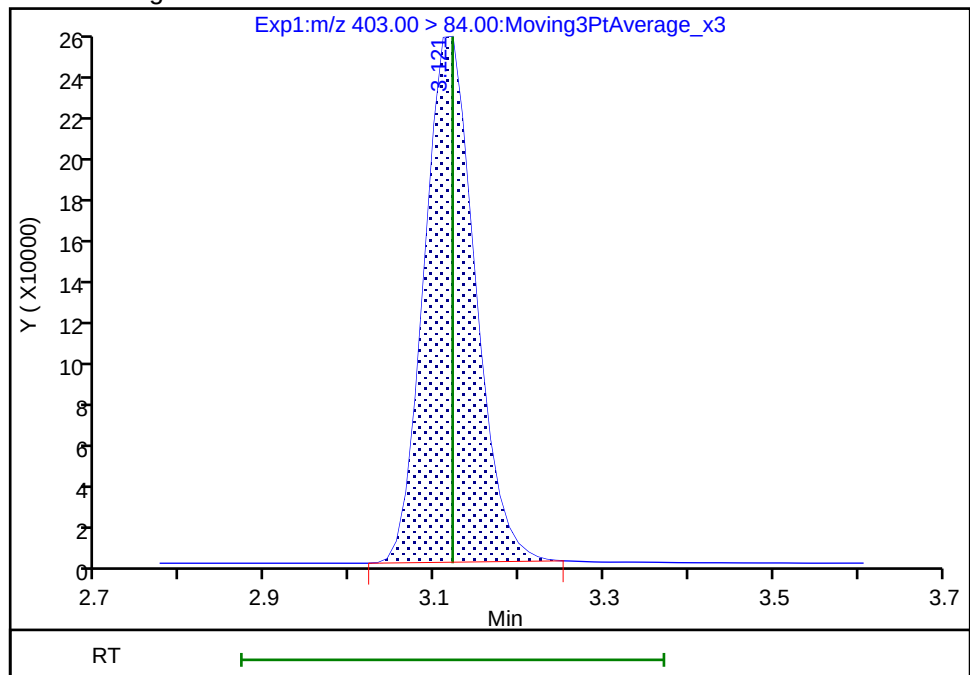
RT: 3.12
Area: 1065166
Amount: 0.980285
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

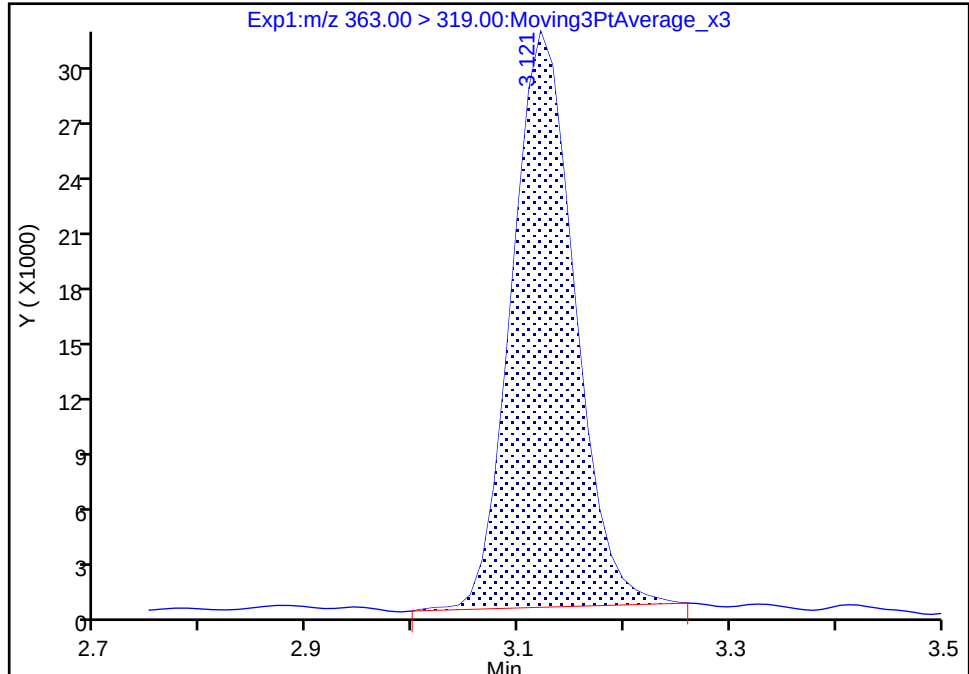
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

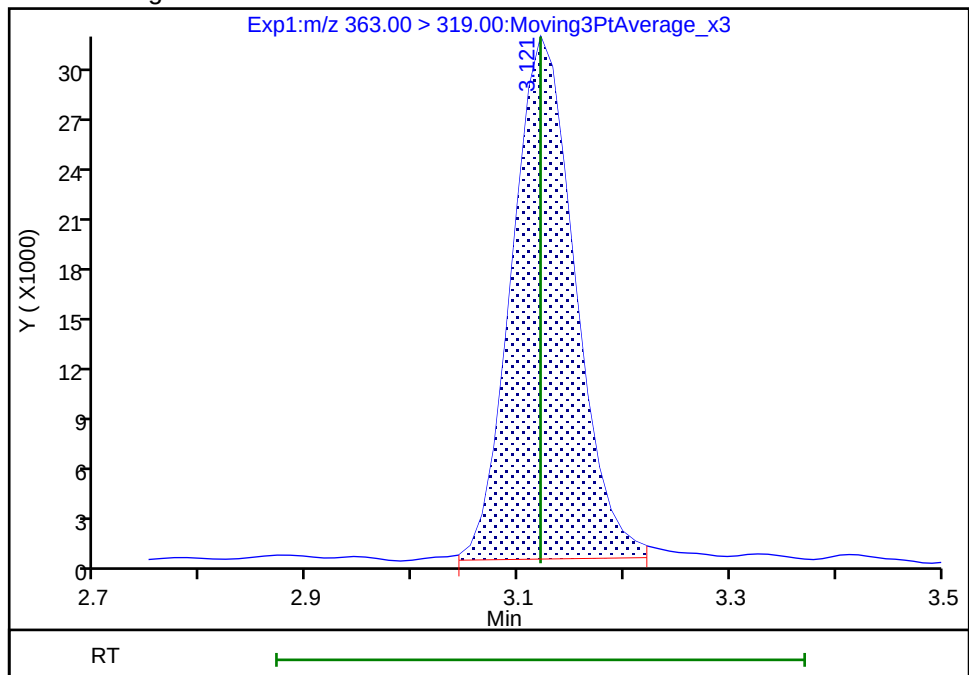
RT: 3.12
Area: 125042
Amount: 0.105137
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

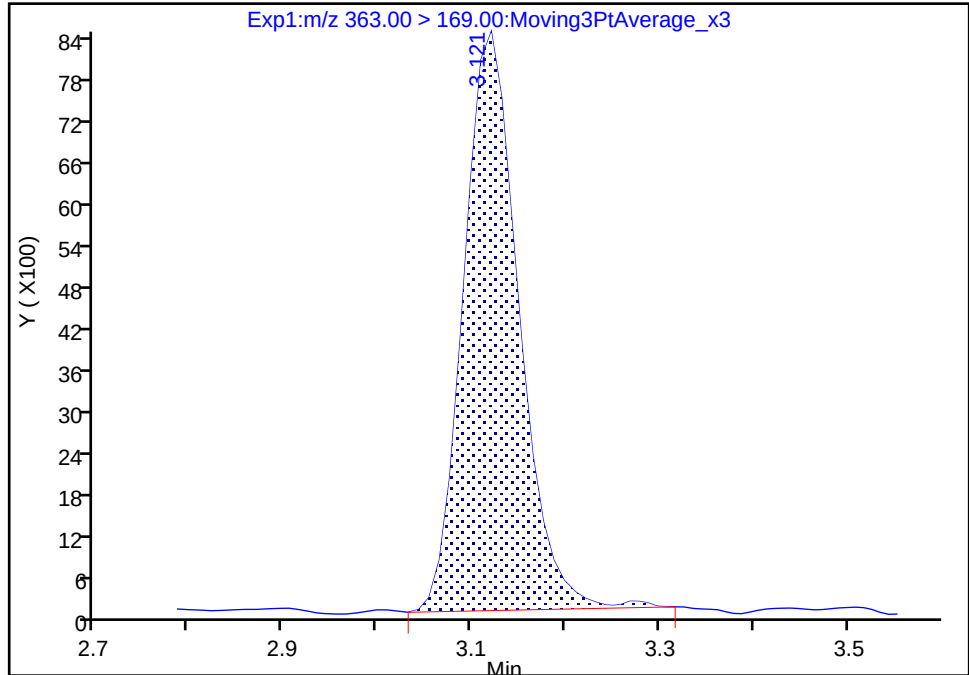
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

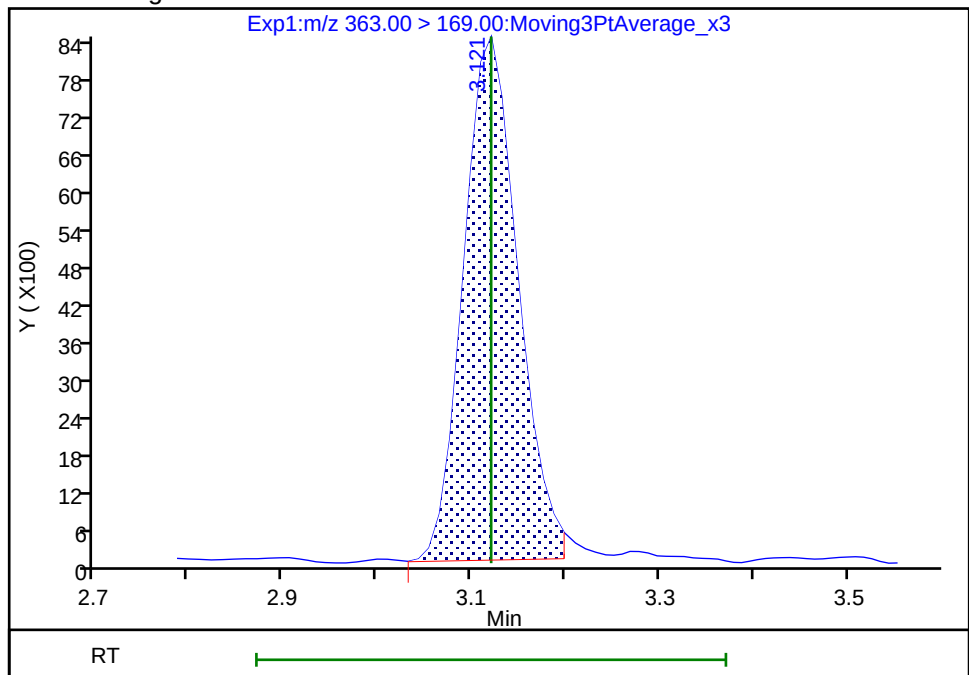
RT: 3.12
Area: 34197
Amount: 0.105137
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

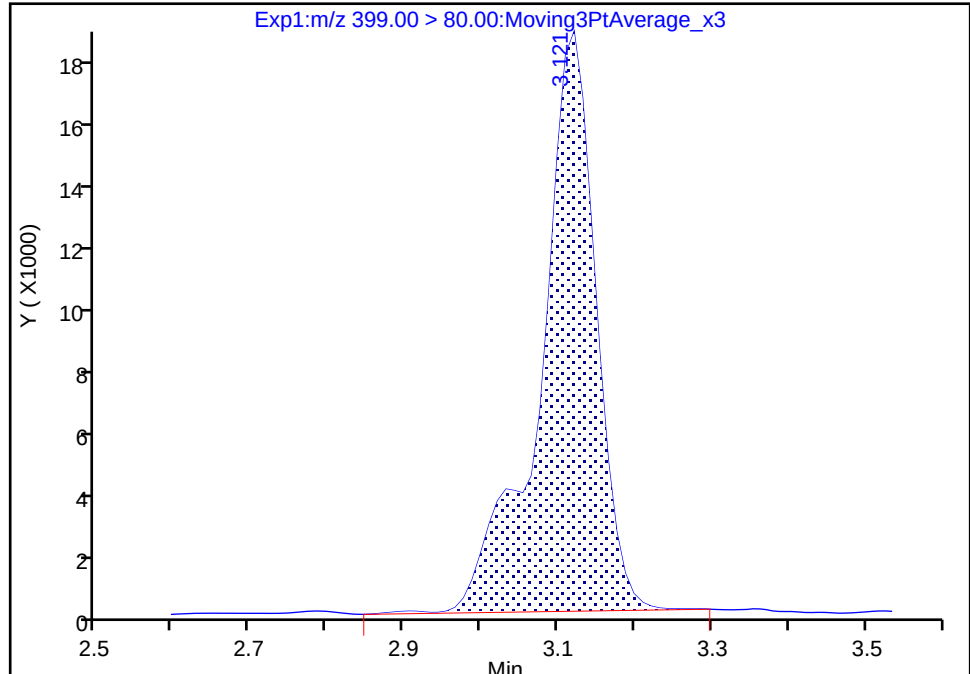
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

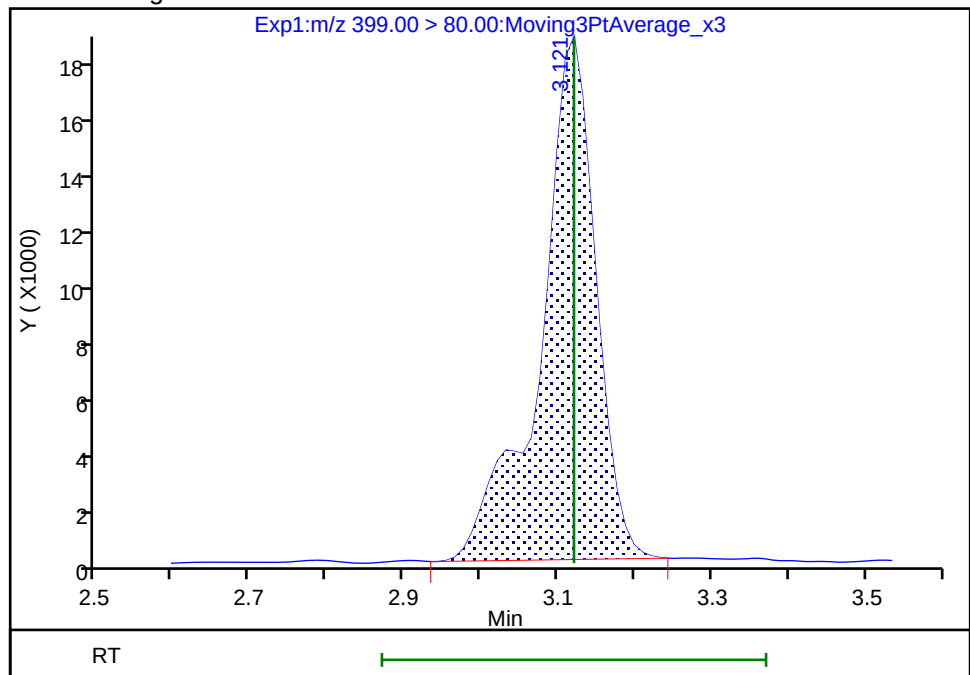
RT: 3.12
Area: 94252
Amount: 0.094092
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

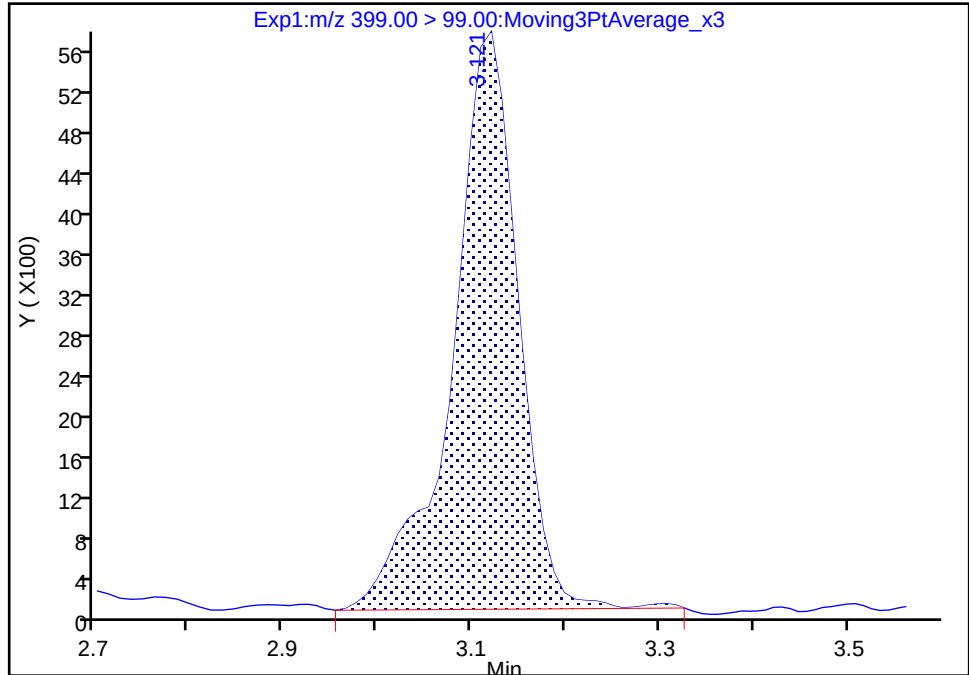
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

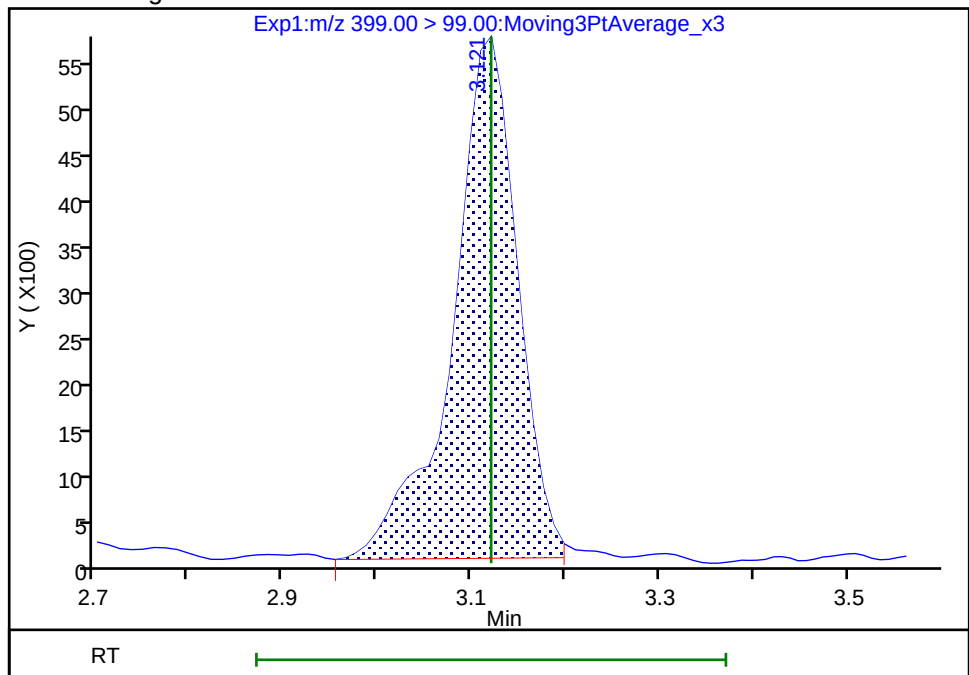
RT: 3.12
Area: 27183
Amount: 0.094092
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

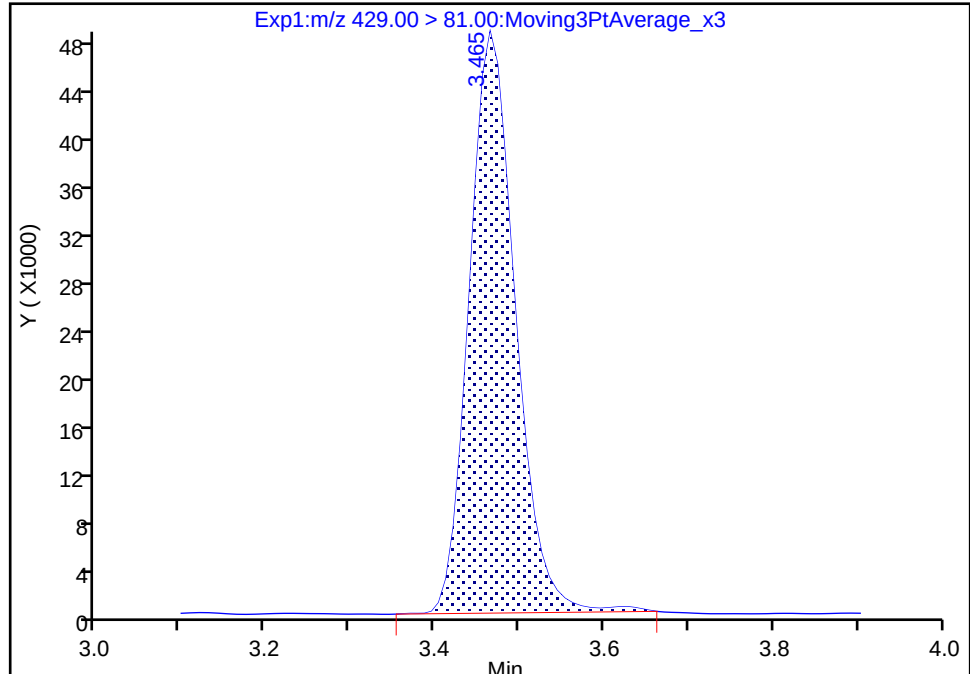
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

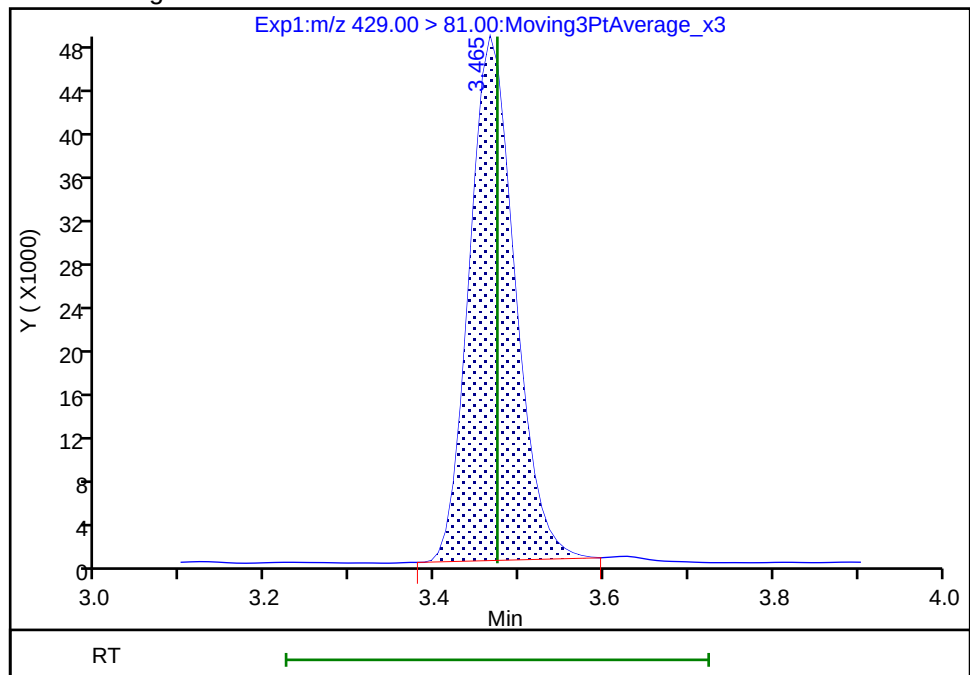
RT: 3.47
Area: 184487
Amount: 1.029828
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

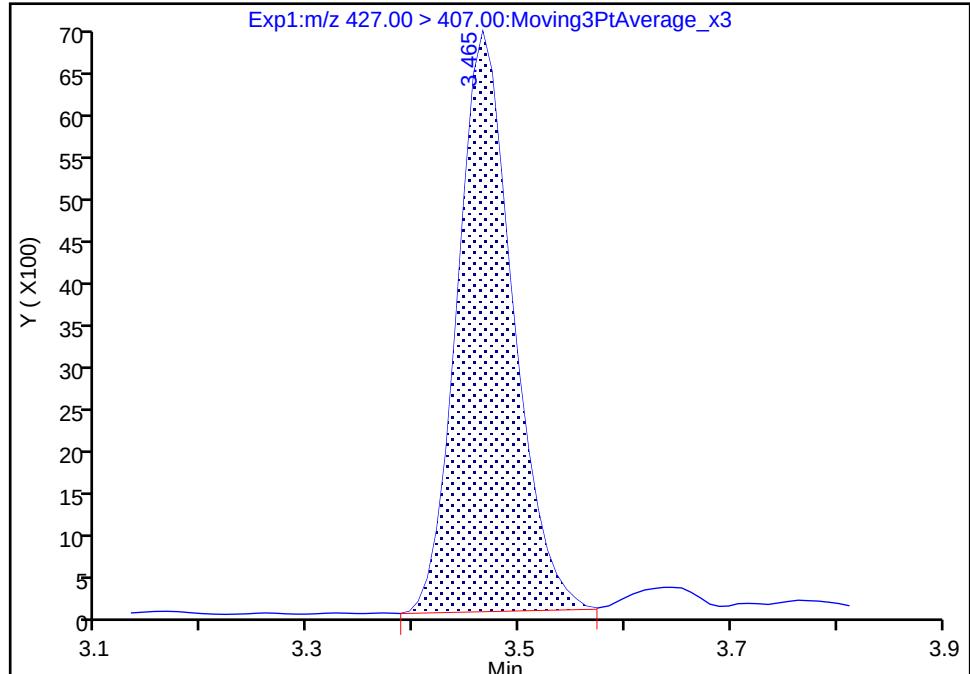
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

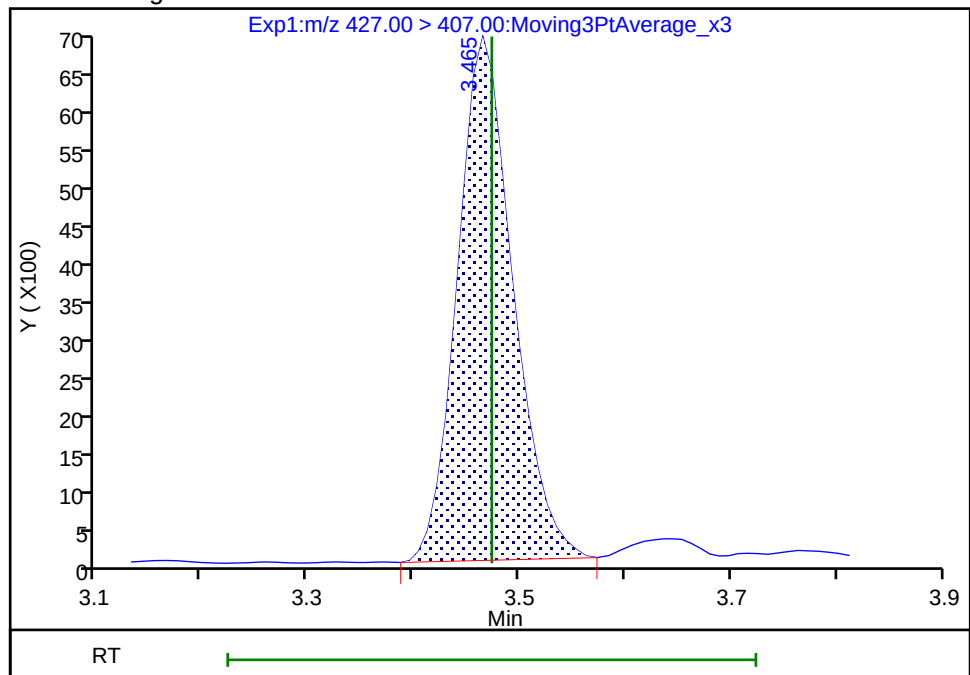
RT: 3.47
Area: 25394
Amount: 0.095907
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

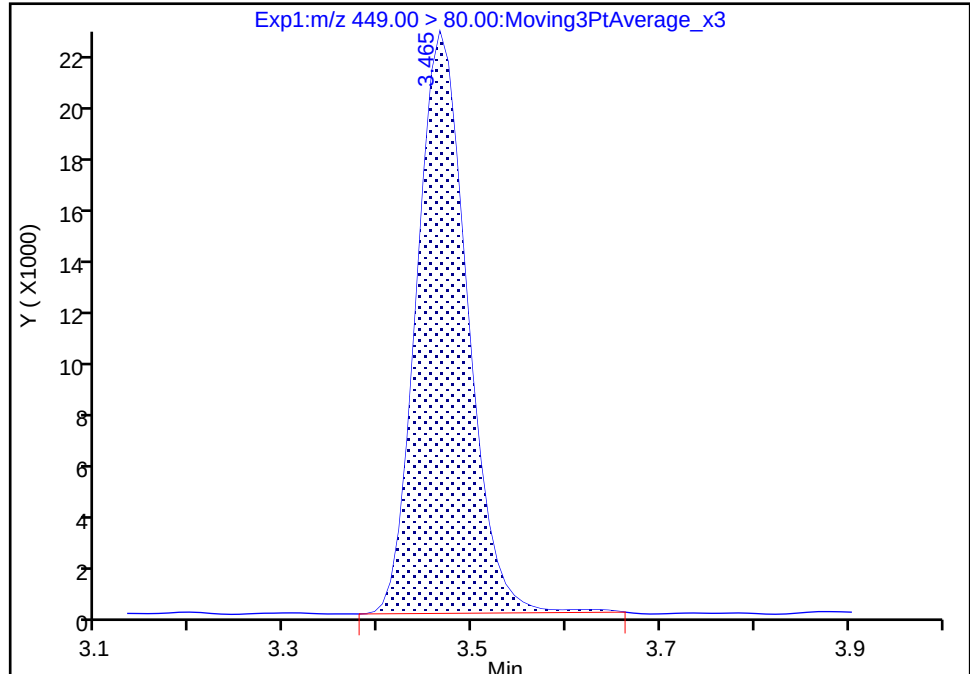
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

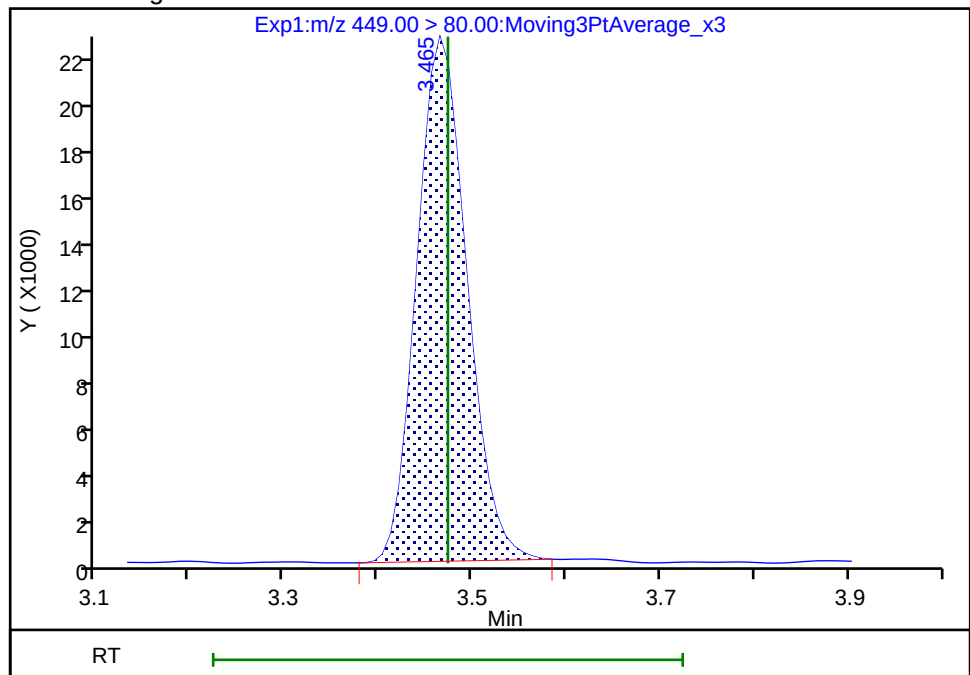
RT: 3.47
Area: 84953
Amount: 0.097992
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

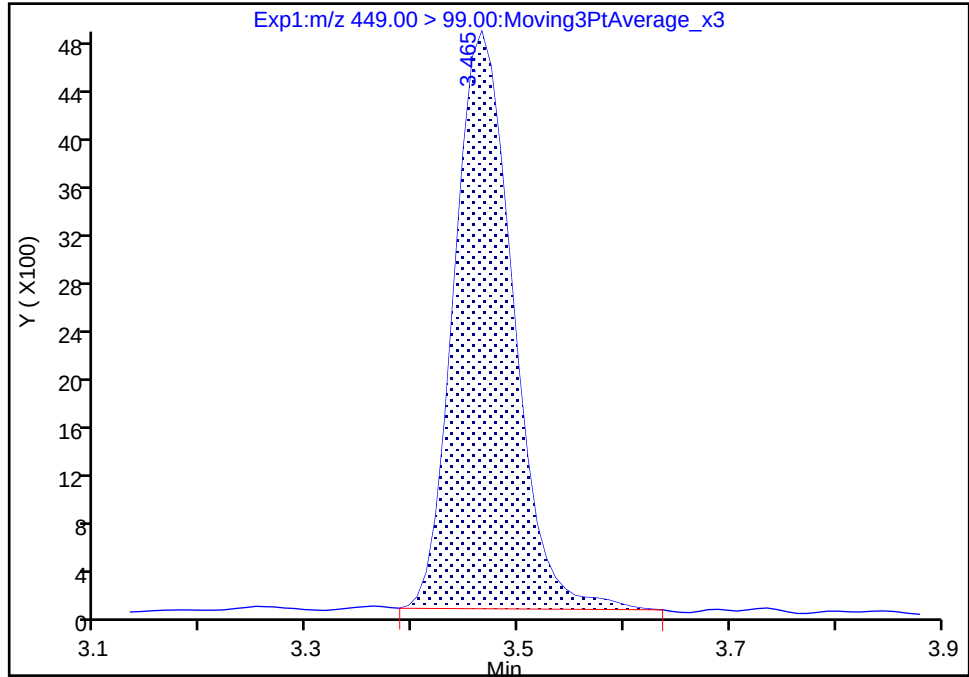
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

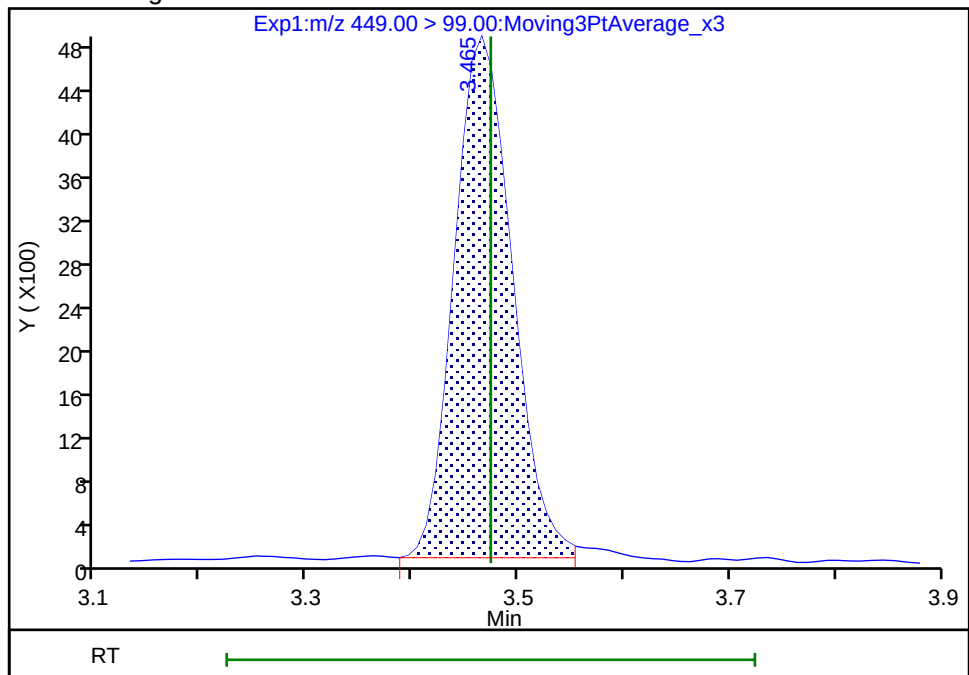
RT: 3.47
Area: 18392
Amount: 0.097992
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

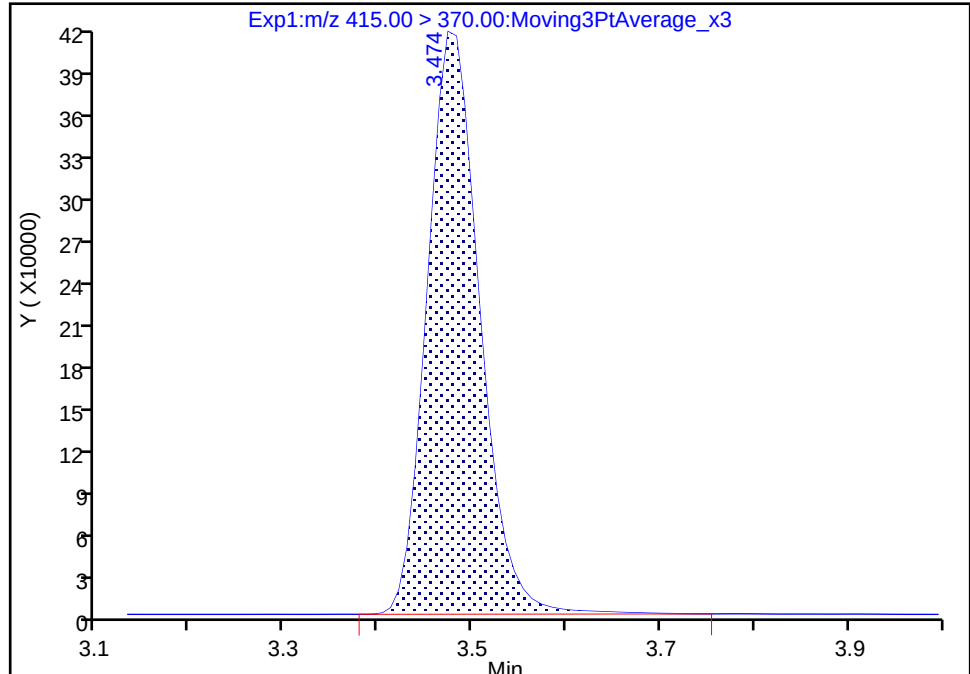
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d		
Injection Date:	03-Aug-2022 13:08:29	Instrument ID:	LC812
Lims ID:	IC		
Client ID:			
Operator ID:	lc812tech	ALS Bottle#:	3
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column: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

* 62 13C2 PFOA, CAS: STL00623

Signal: 1

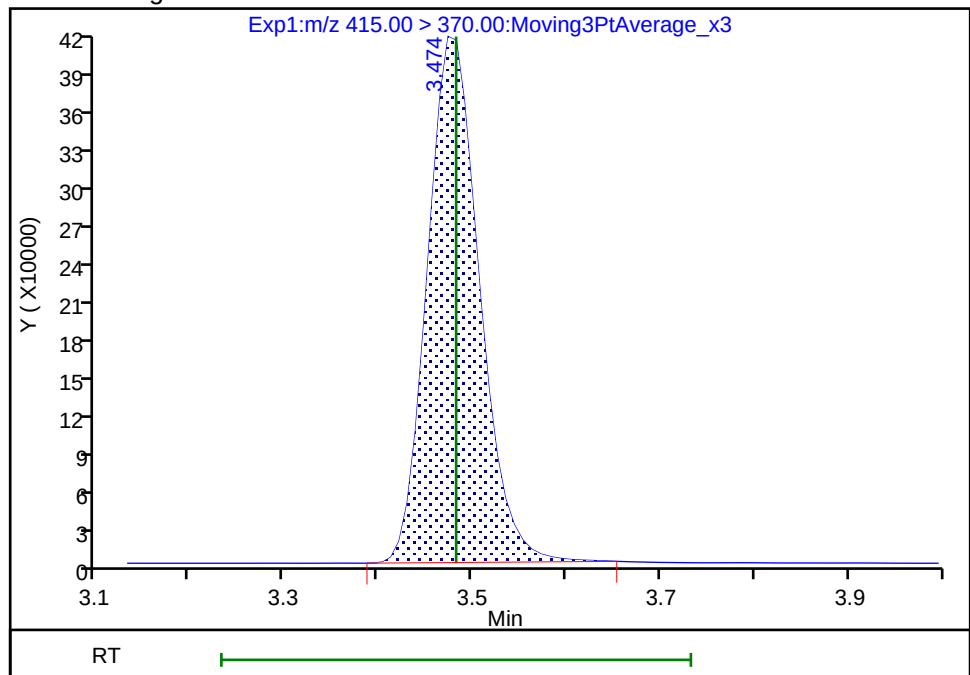
RT: 3.47
Area: 1589998
Amount: 1.250000
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

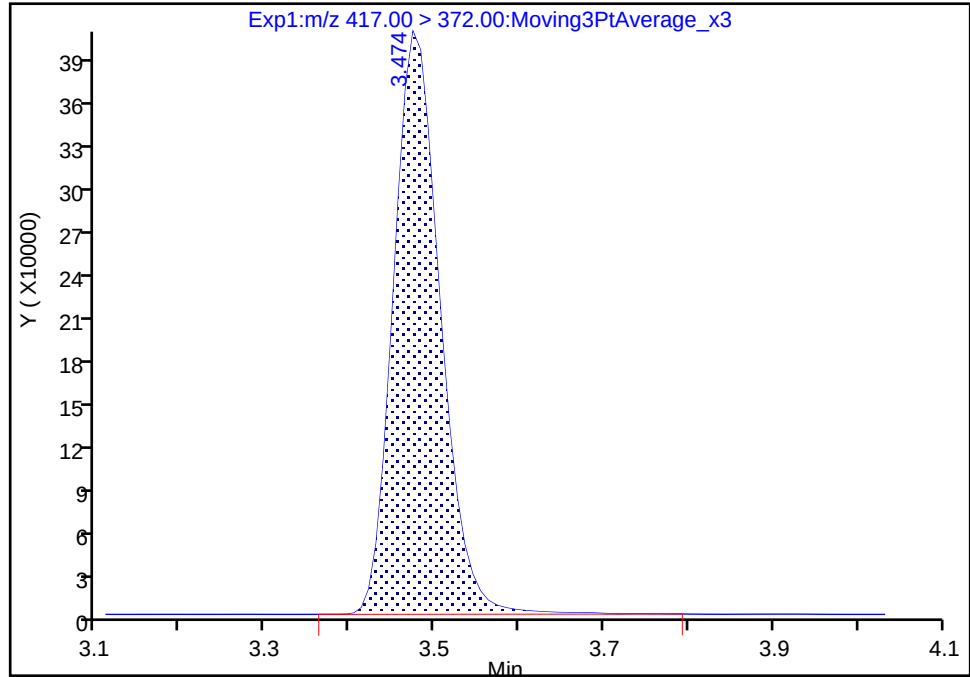
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d		
Injection Date:	03-Aug-2022 13:08:29	Instrument ID:	LC812
Lims ID:	IC		
Client ID:			
Operator ID:	lc812tech	ALS Bottle#:	3 Worklist Smp#: 6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL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

D 14 13C4 PFOA, CAS: STL00990

Signal: 1

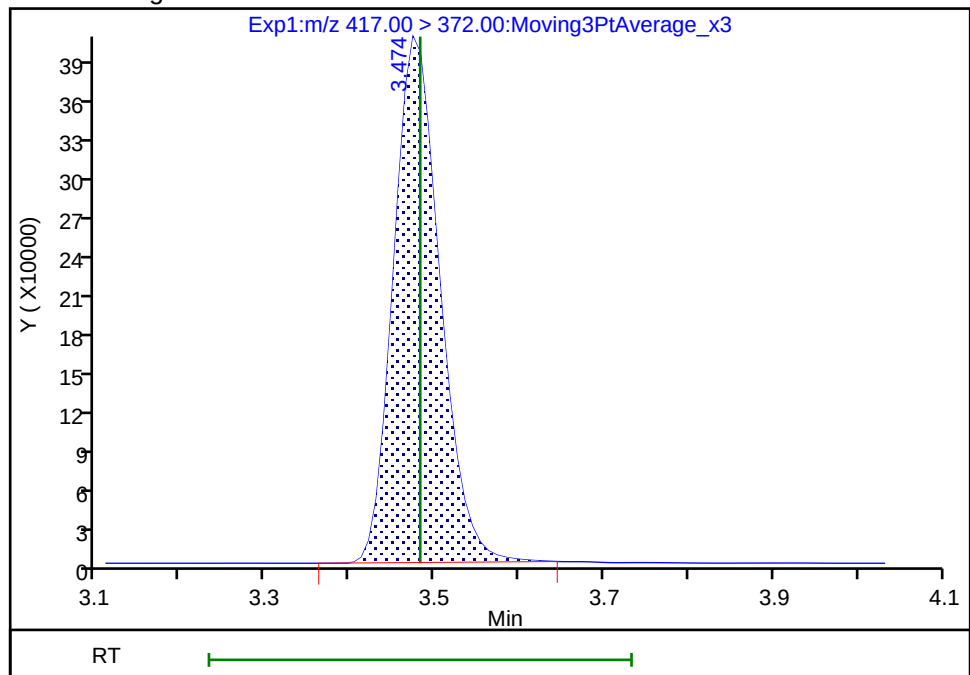
RT: 3.47
Area: 1563622
Amount: 1.313348
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

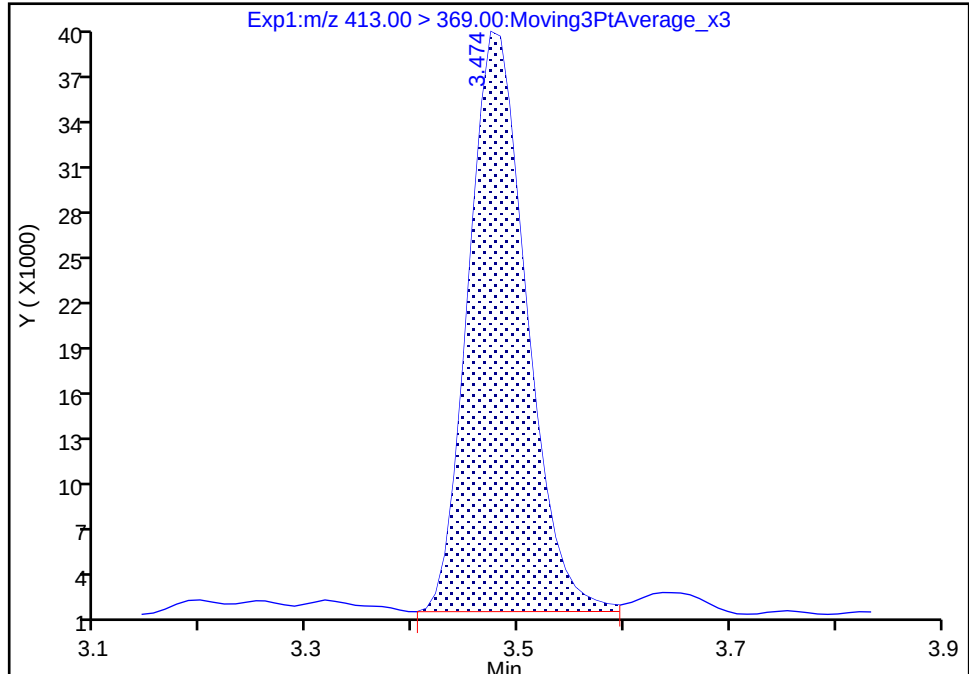
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

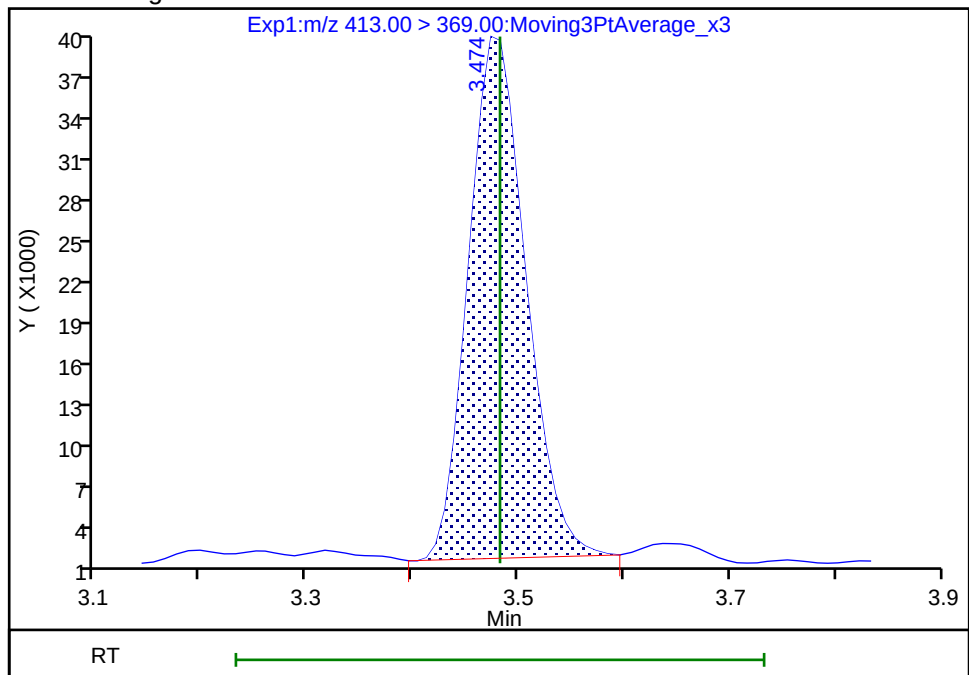
RT: 3.47
Area: 144067
Amount: 0.101370
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

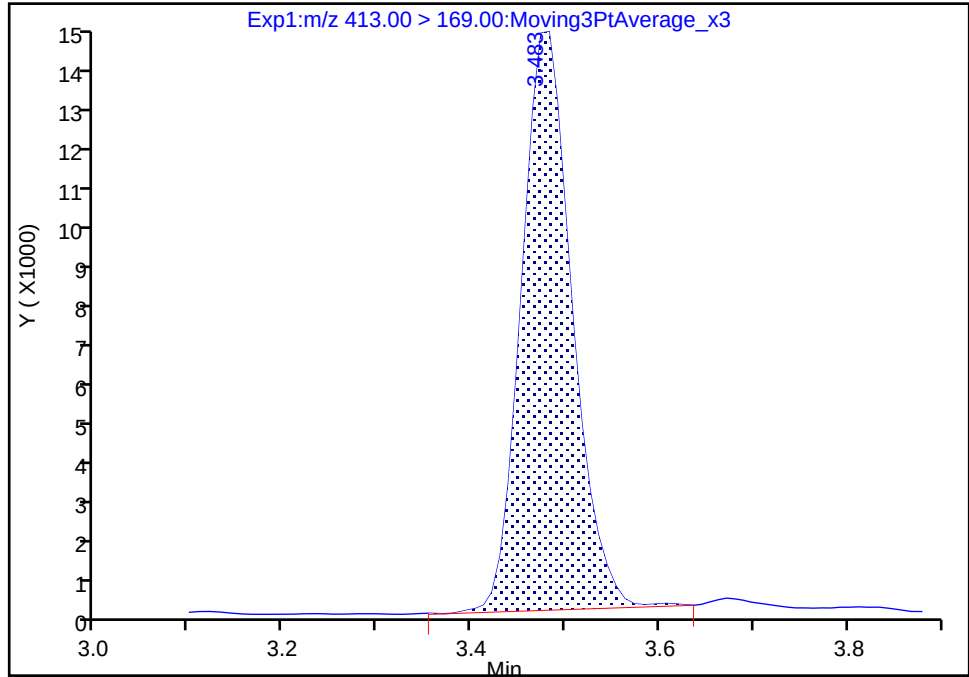
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

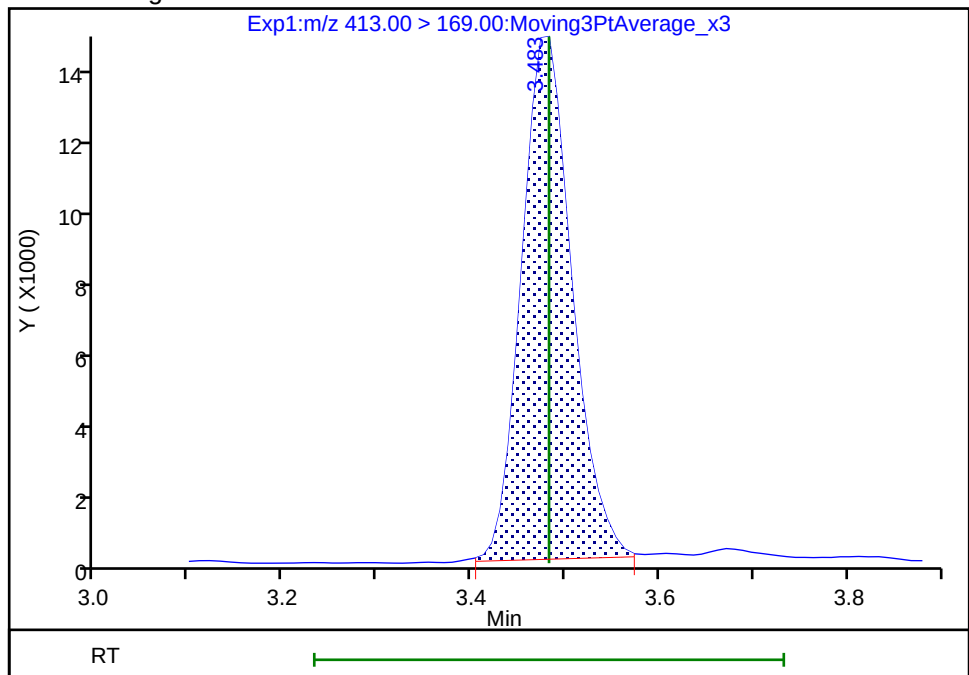
RT: 3.48
Area: 53590
Amount: 0.101370
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:34:12

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

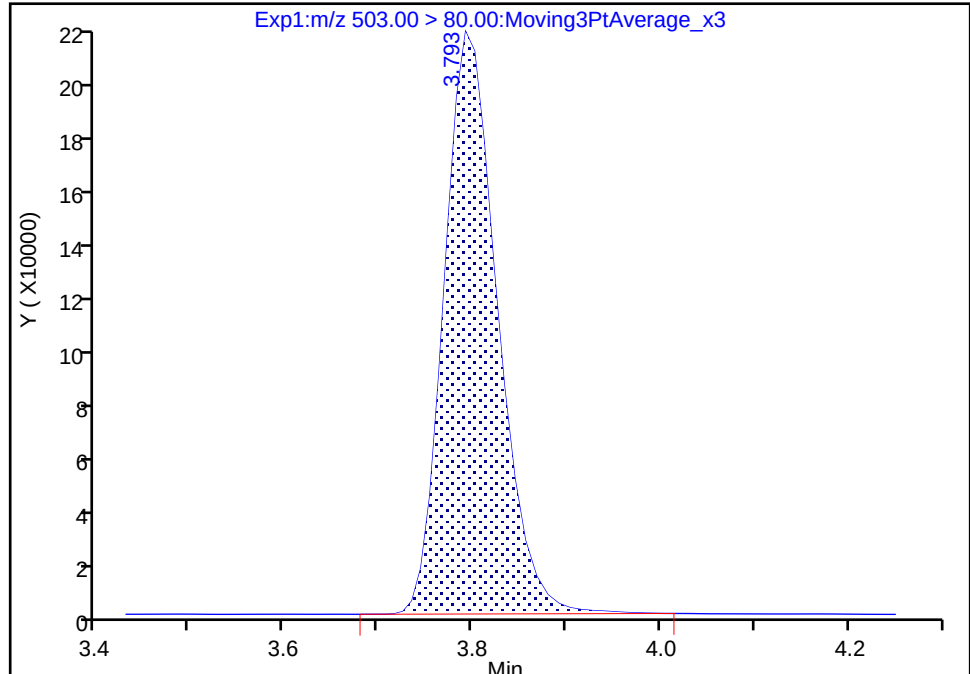
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 18 13C4 PFOS, CAS: STL00991

Signal: 1

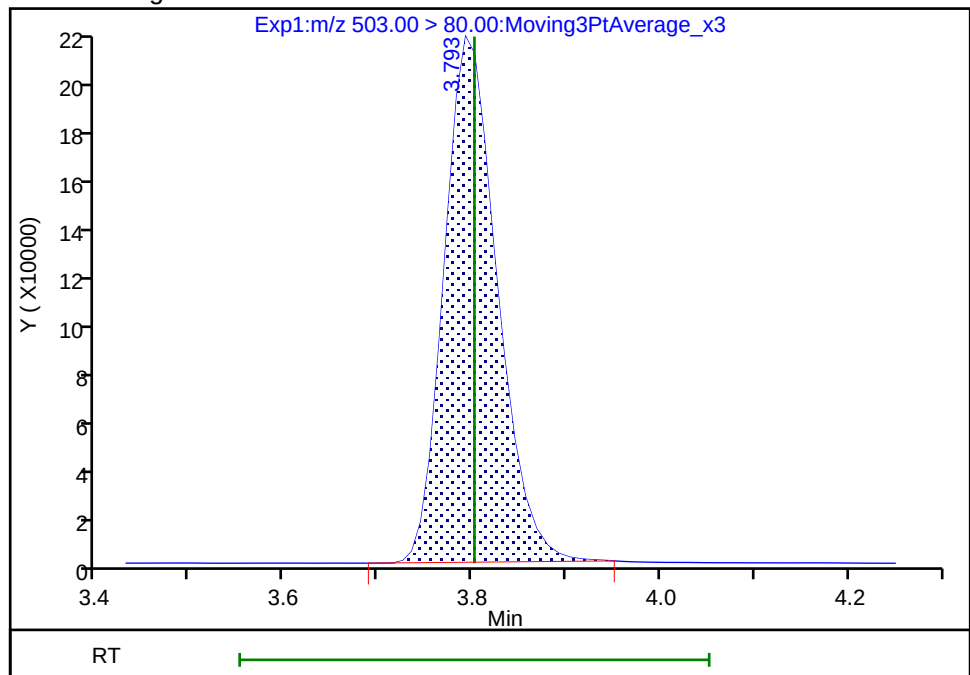
RT: 3.79
Area: 846962
Amount: 1.001046
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:34:22

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

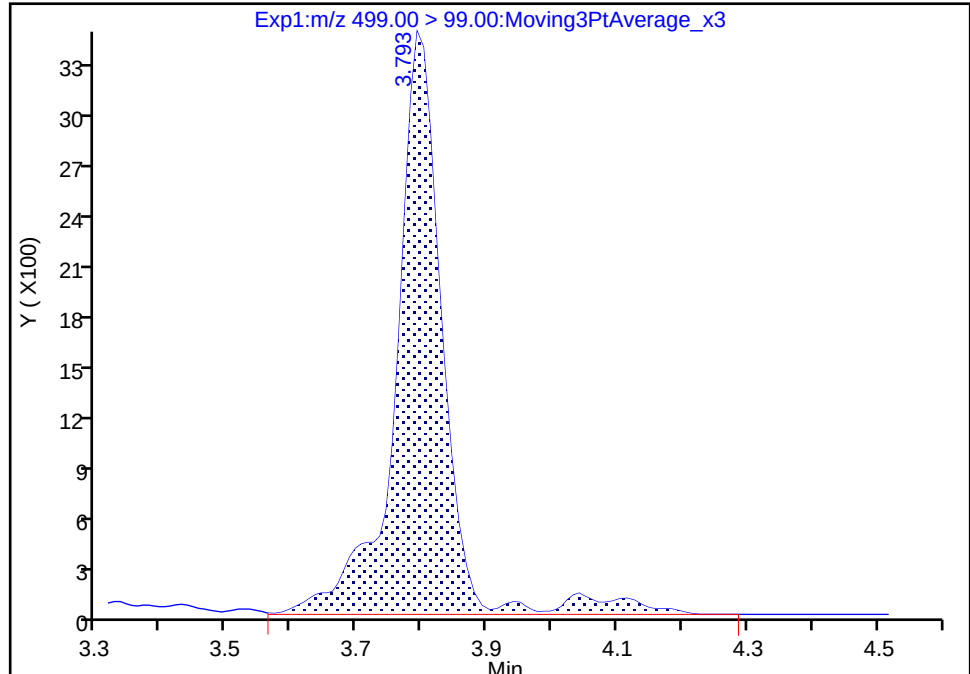
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

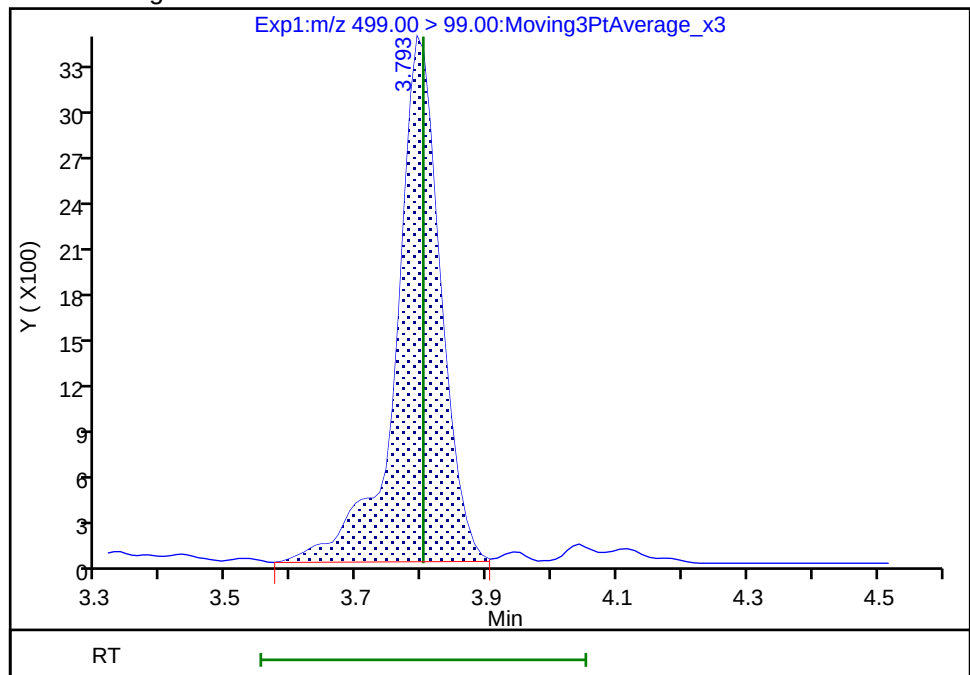
RT: 3.79
Area: 17385
Amount: 0.112007
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

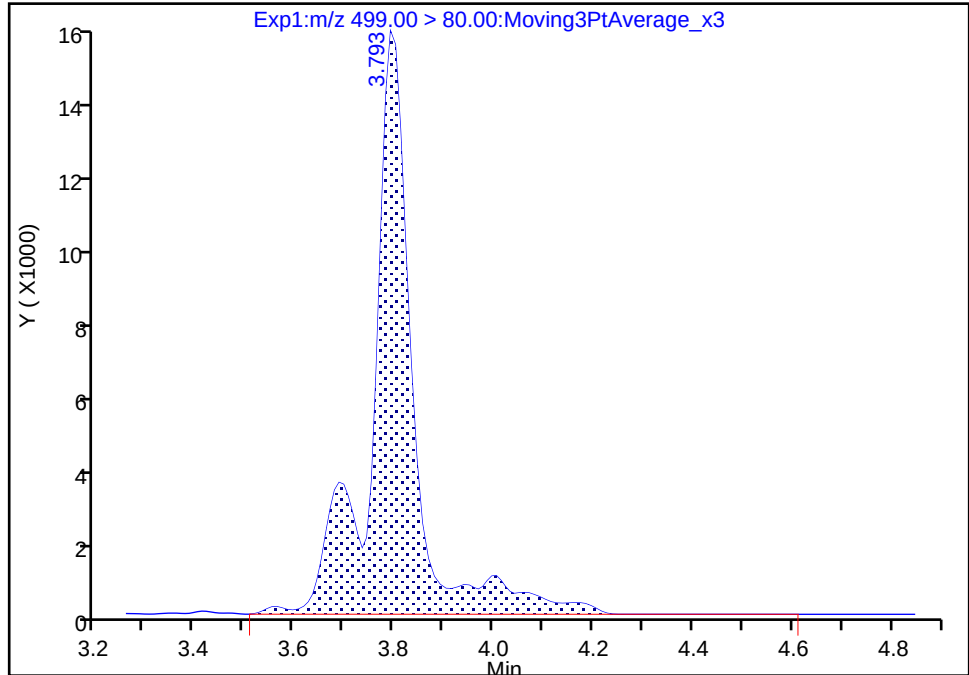
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

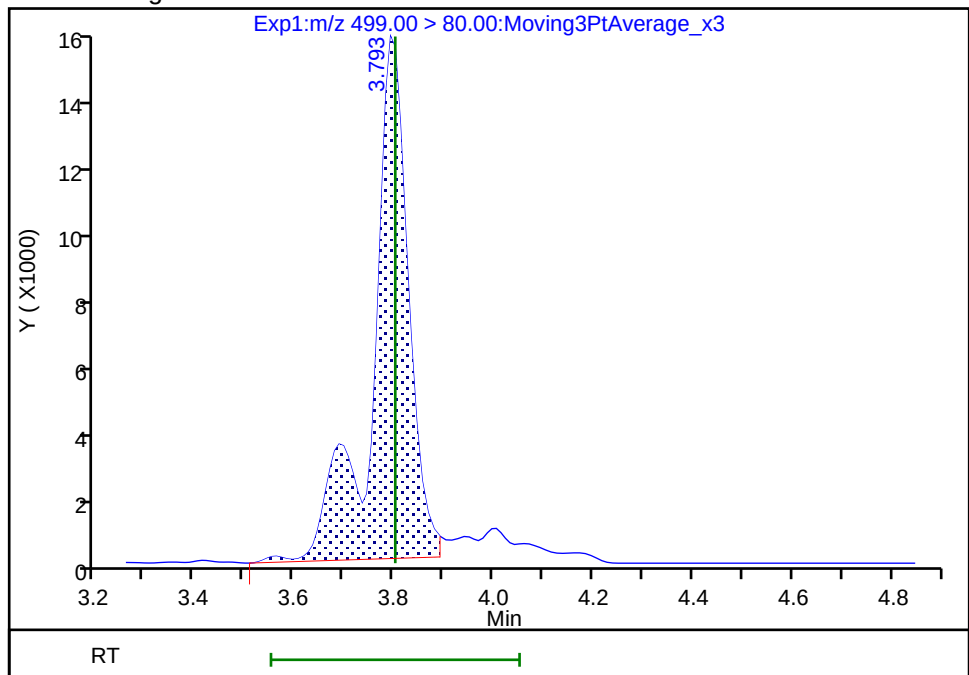
RT: 3.79
Area: 90332
Amount: 0.112007
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:34:55

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

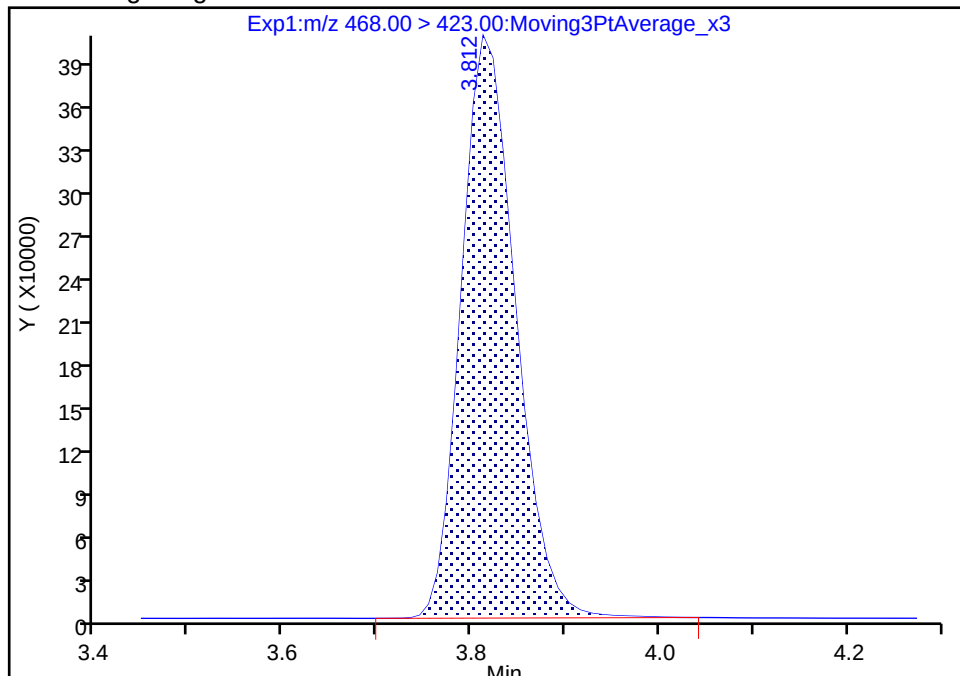
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 19 13C5 PFNA, CAS: STL00995

Signal: 1

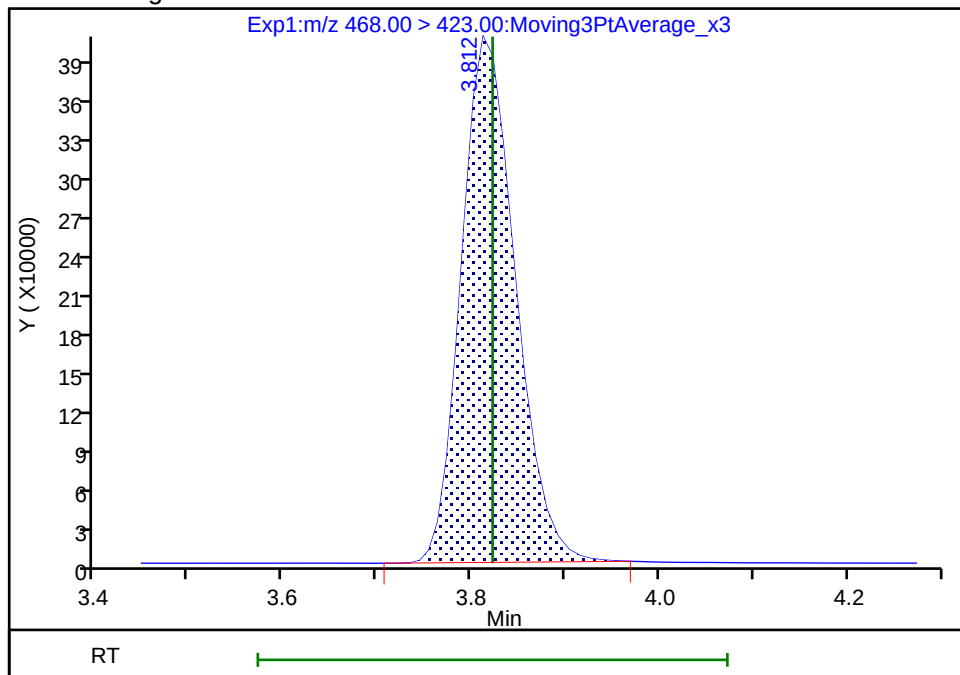
RT: 3.81
Area: 1611807
Amount: 1.247832
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:35:01

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)

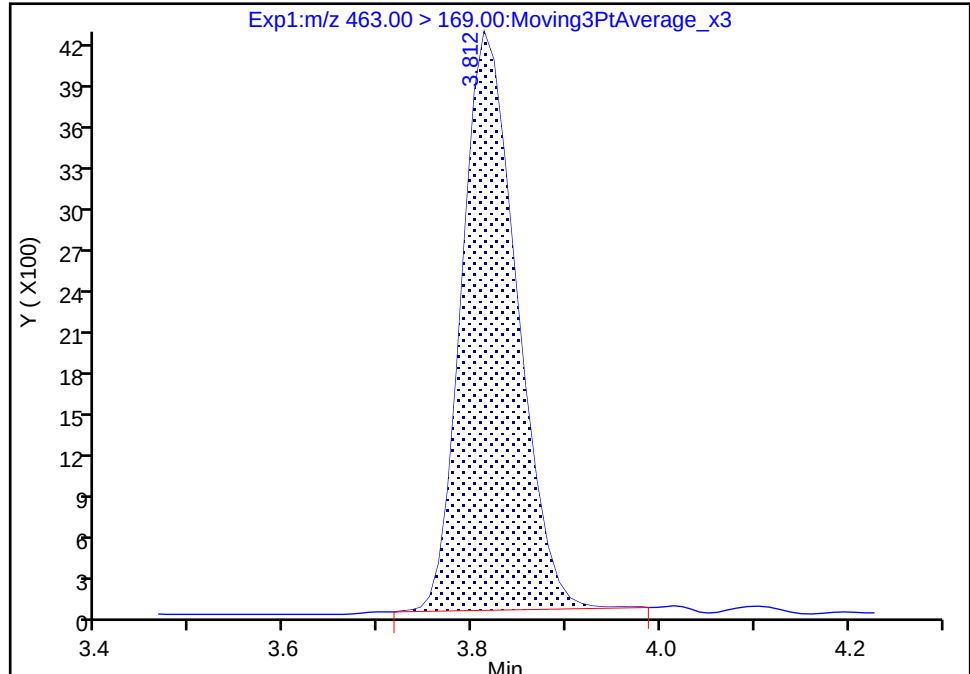
Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

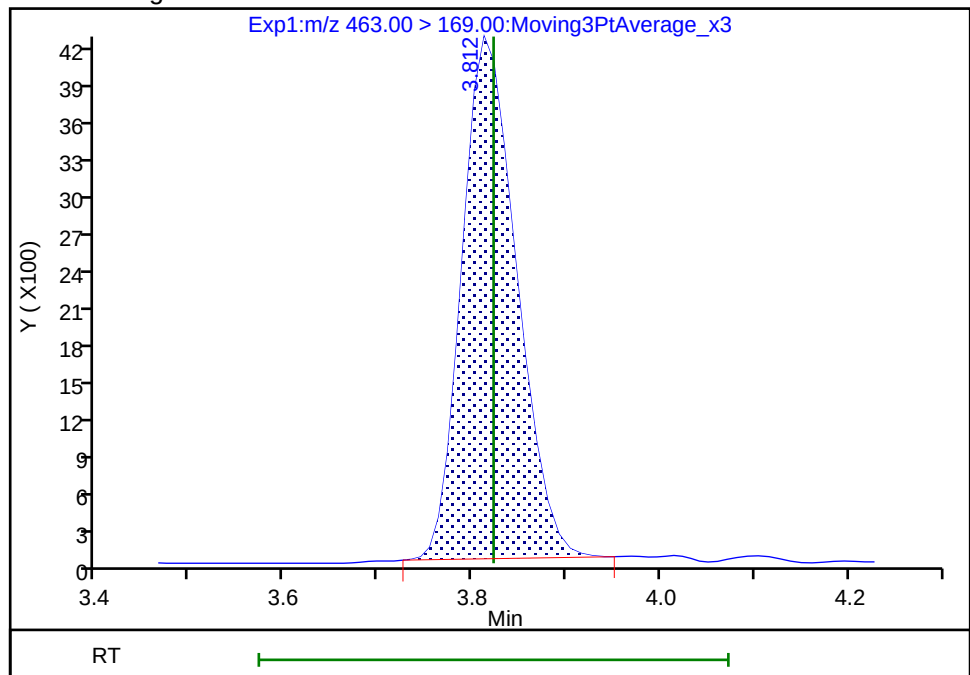
RT: 3.81
Area: 17148
Amount: 0.104027
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:35:07

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

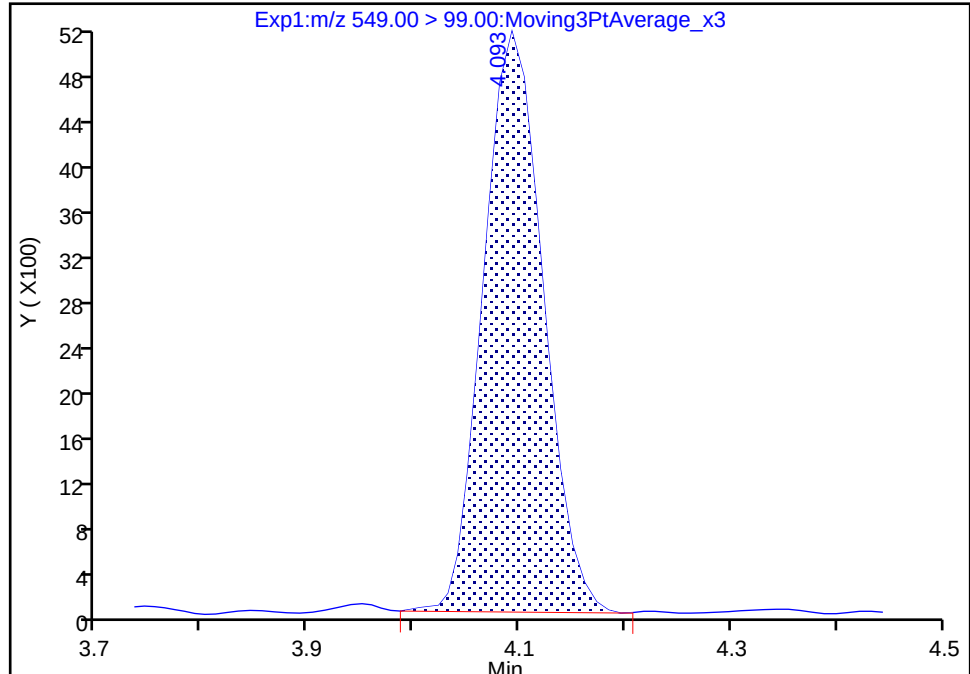
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 2

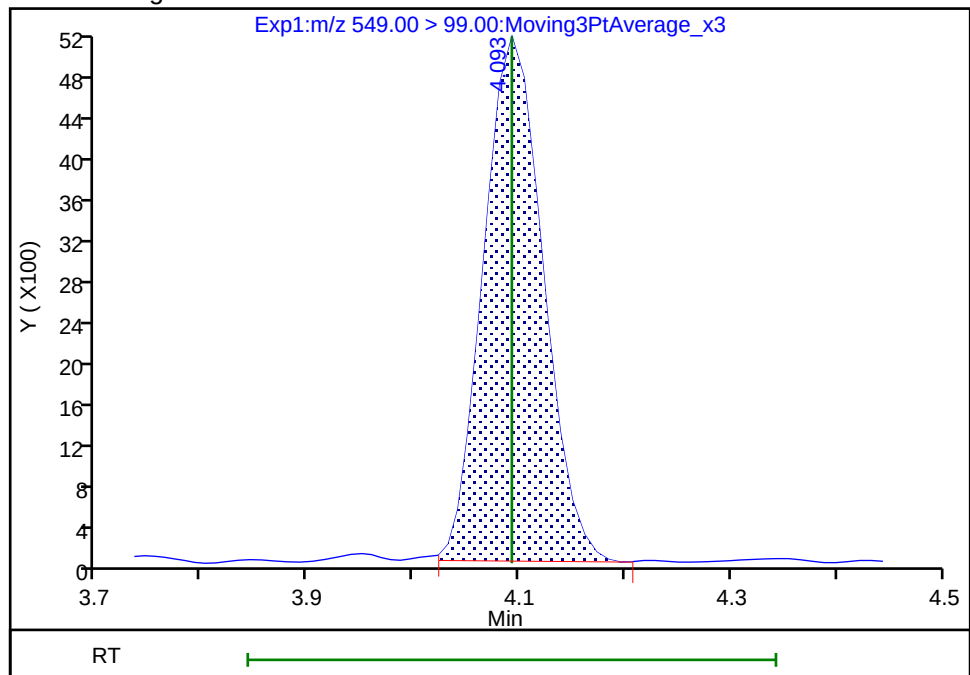
RT: 4.09
Area: 20122
Amount: 0.099986
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

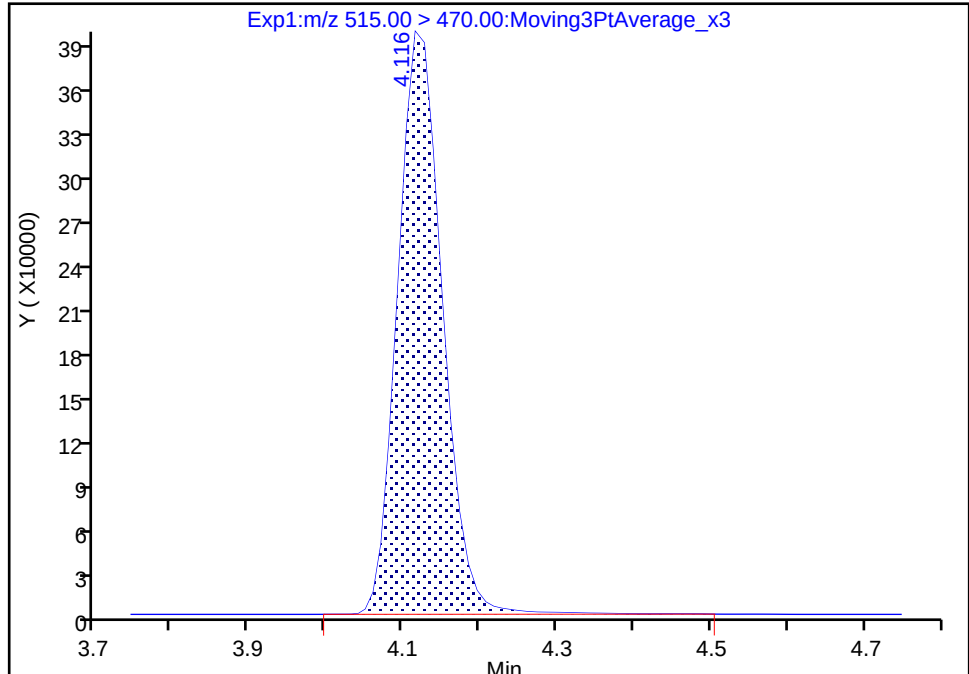
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 23 13C2 PFDA, CAS: STL00996

Signal: 1

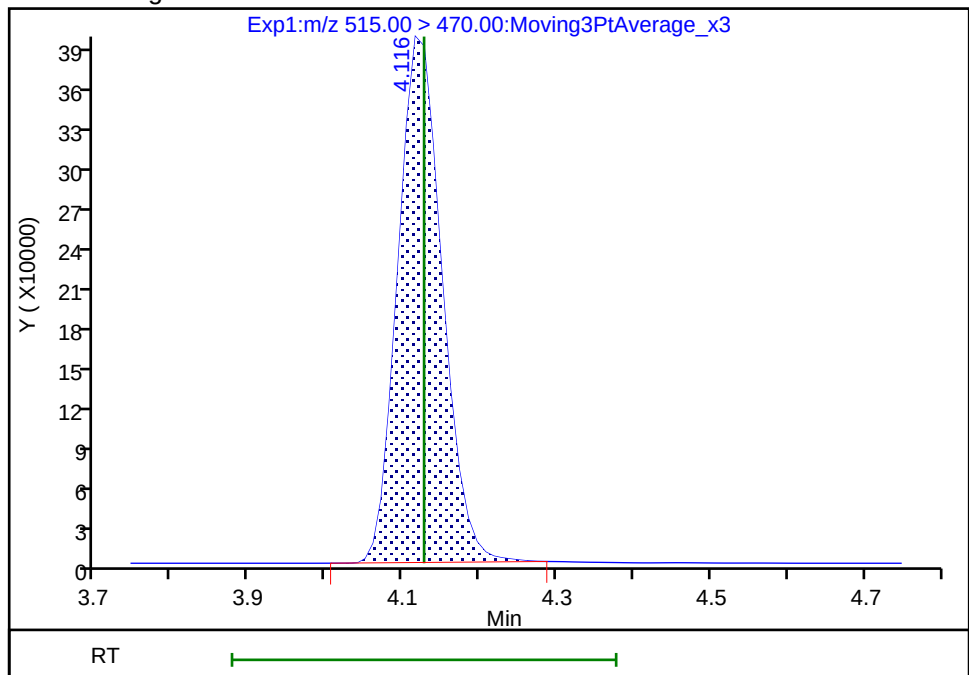
RT: 4.12
Area: 1608102
Amount: 1.298739
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:35:21
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

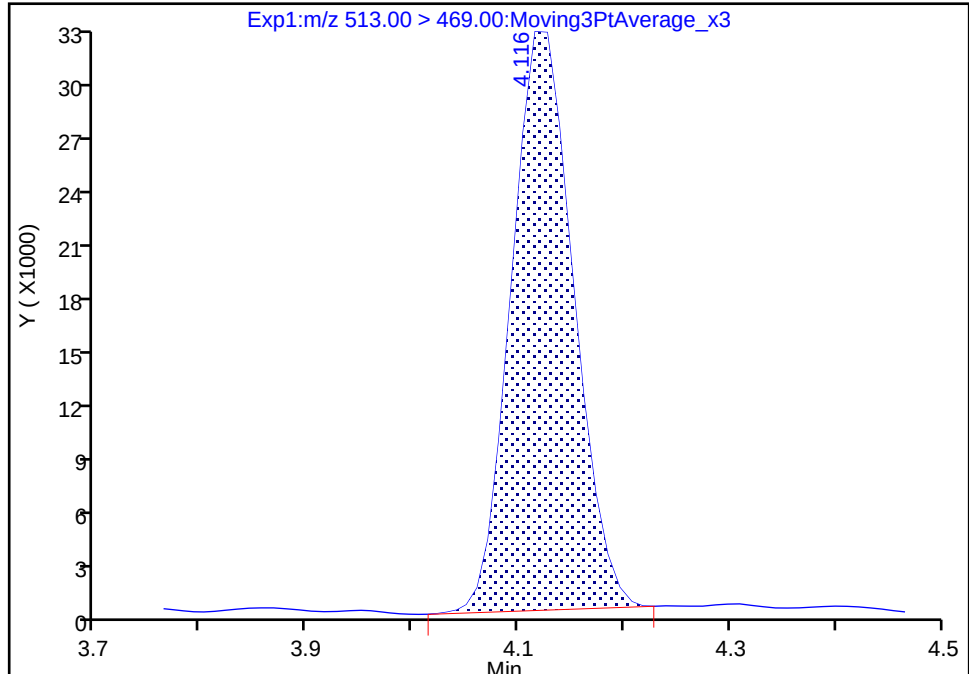
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

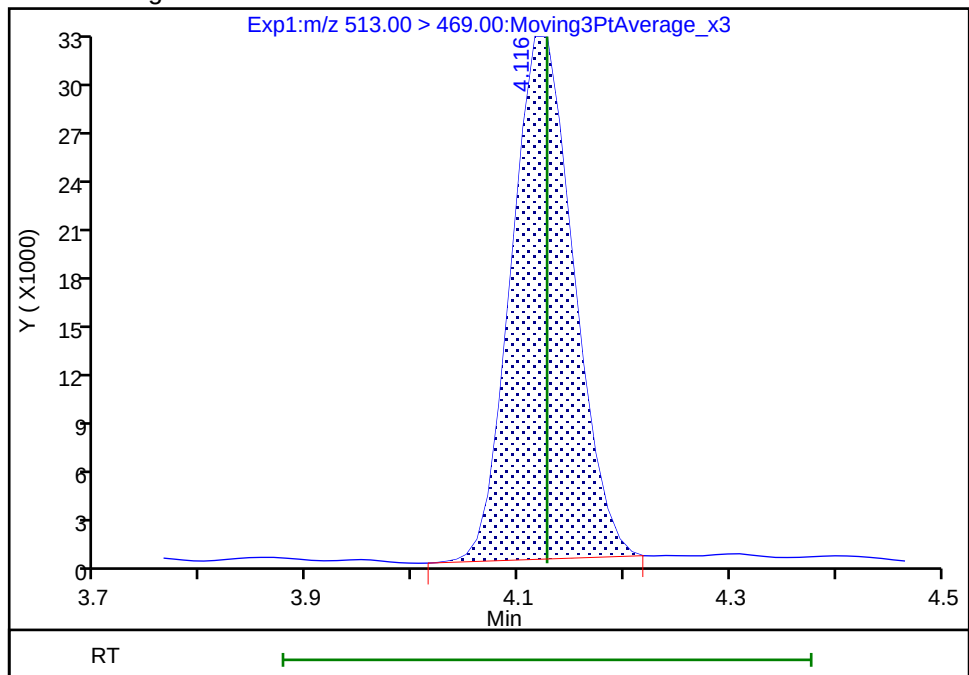
RT: 4.12
Area: 131387
Amount: 0.097713
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

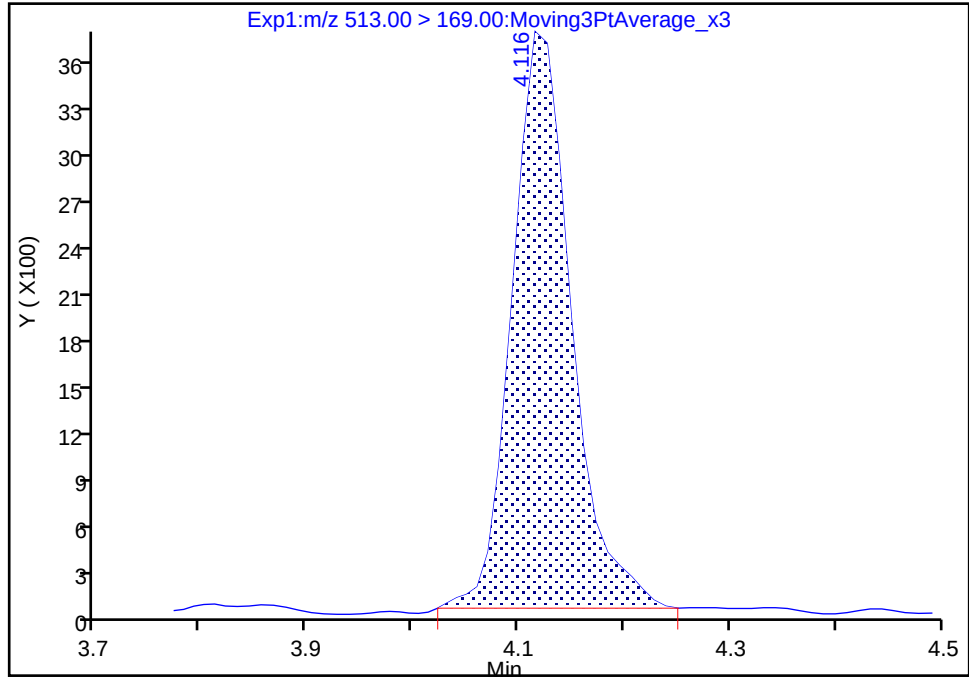
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

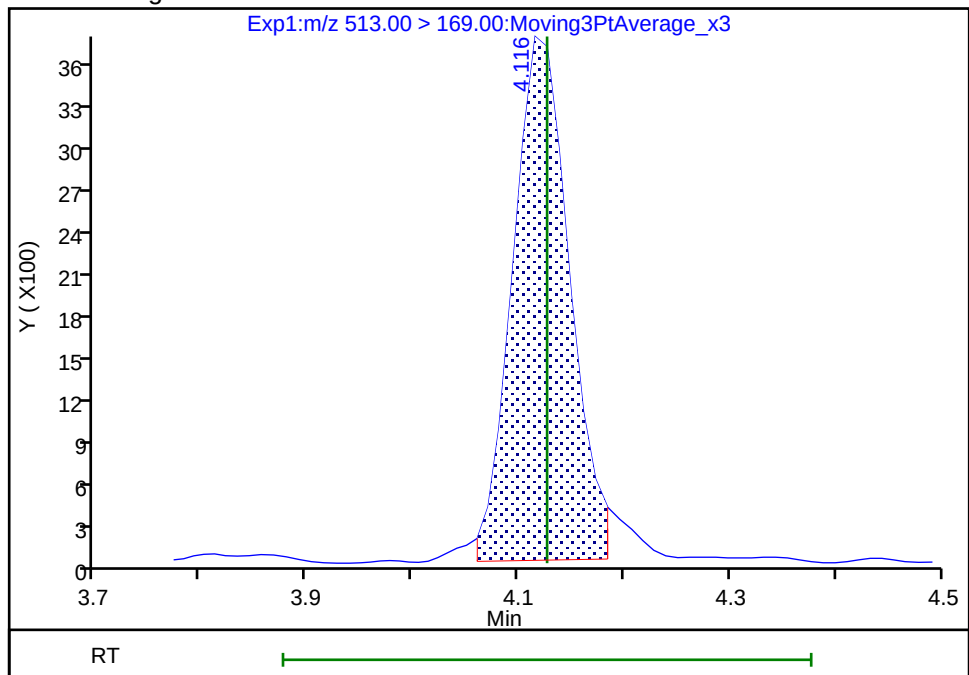
RT: 4.12
Area: 14638
Amount: 0.097713
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

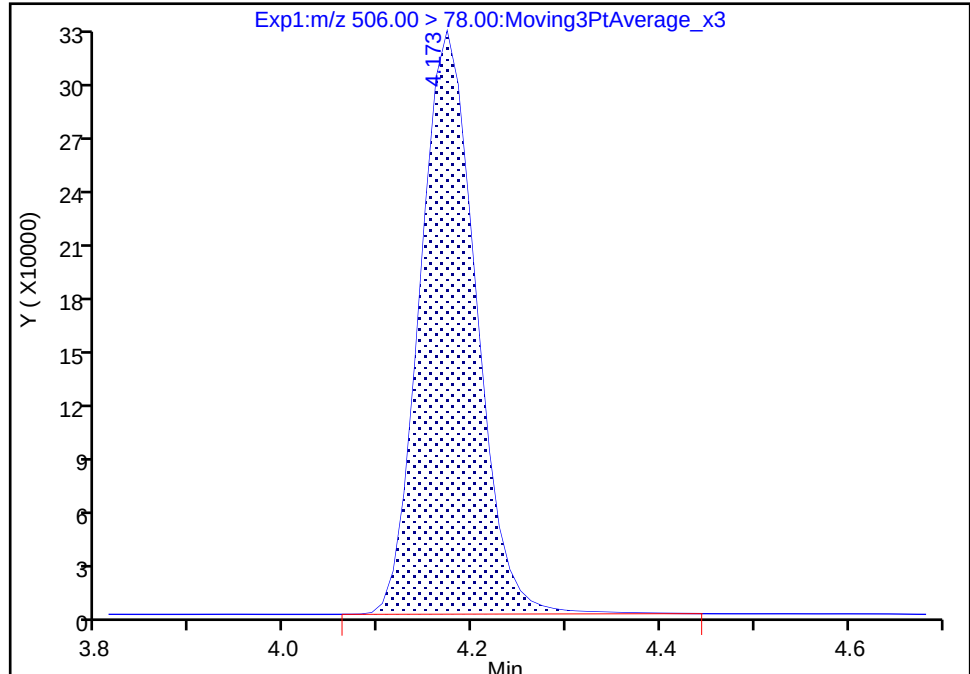
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d		
Injection Date:	03-Aug-2022 13:08:29	Instrument ID:	LC812
Lims ID:	IC		
Client ID:			
Operator ID:	lc812tech	ALS Bottle#:	3 Worklist Smp#: 6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL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

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

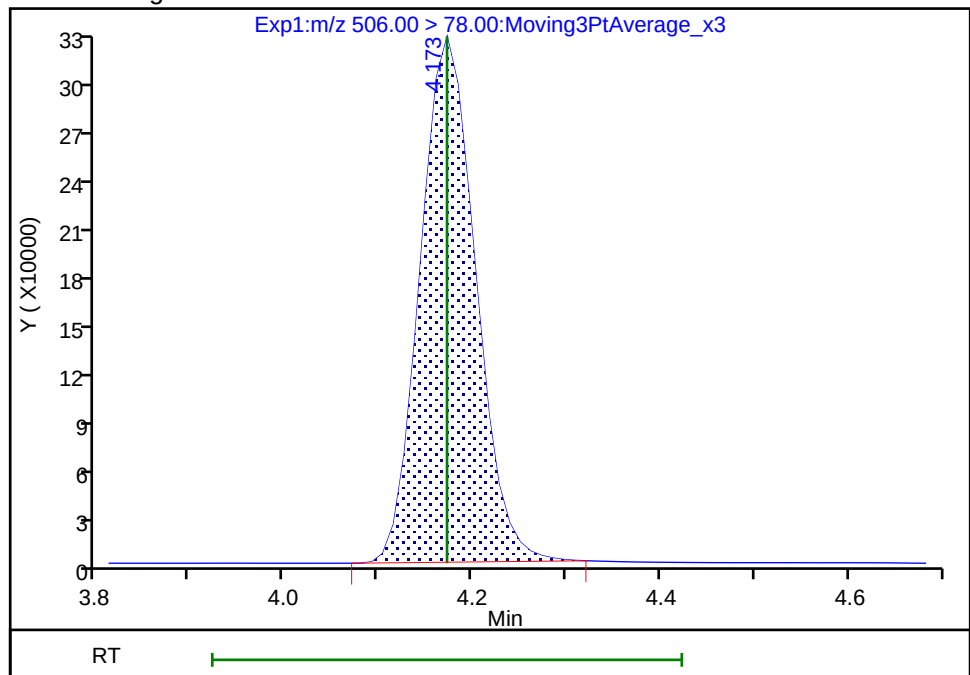
RT: 4.17
Area: 1359326
Amount: 1.056356
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:35:49

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

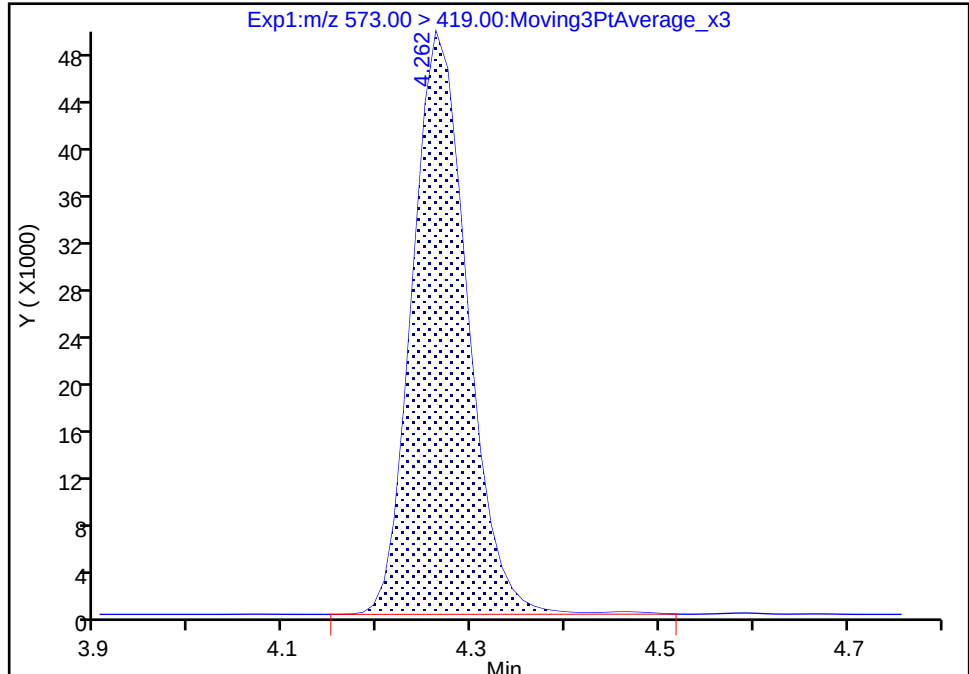
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

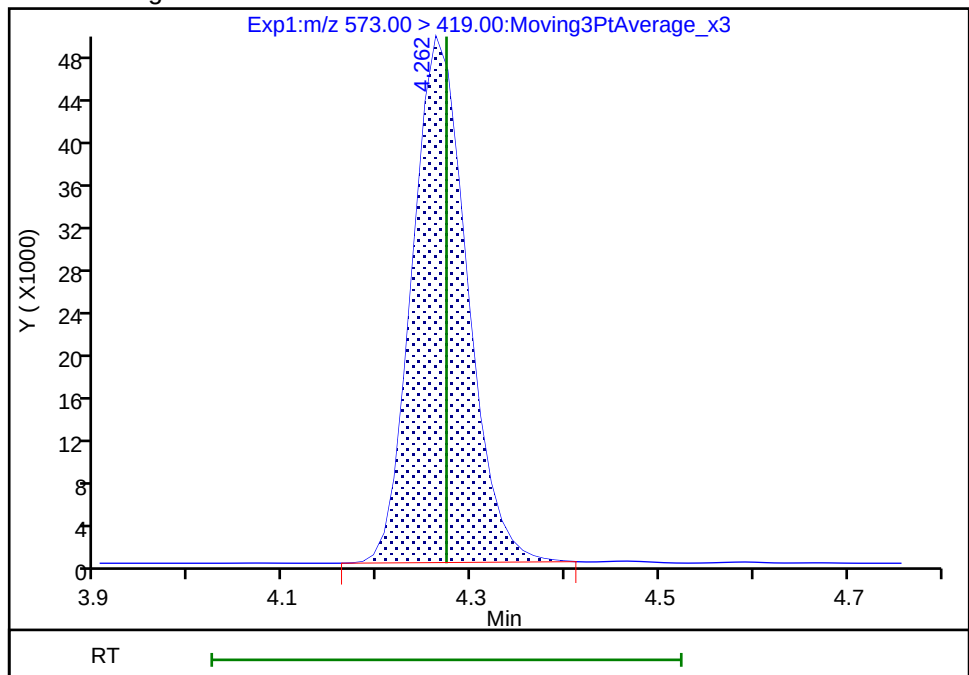
RT: 4.26
Area: 202522
Amount: 1.217142
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

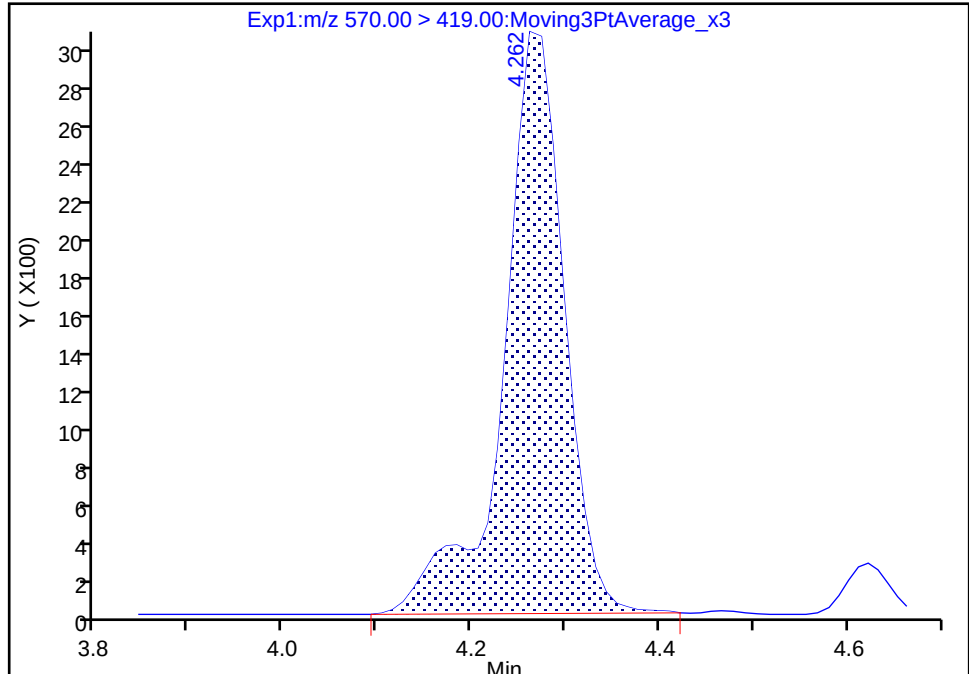
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

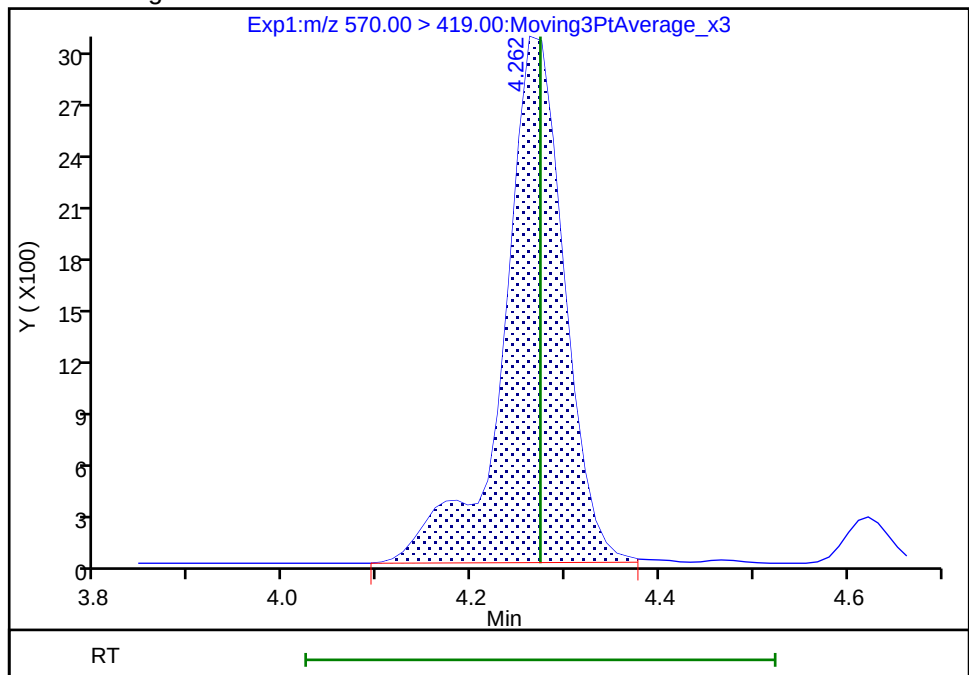
RT: 4.26
Area: 13754
Amount: 0.096610
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

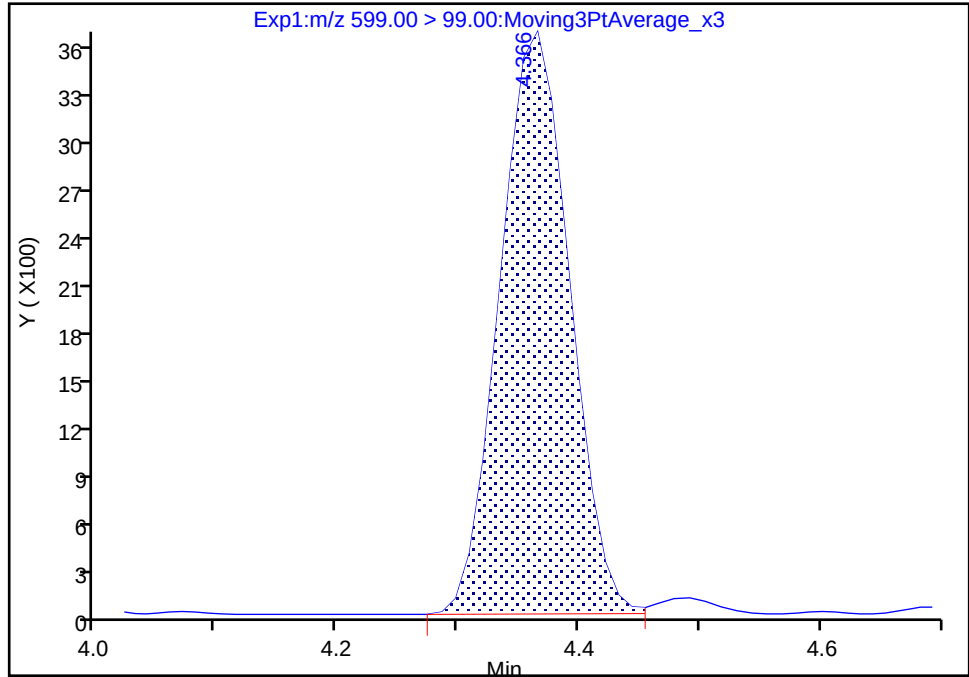
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d		
Injection Date:	03-Aug-2022 13:08:29	Instrument ID:	LC812
Lims ID:	IC		
Client ID:			
Operator ID:	lc812tech	ALS Bottle#:	3
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column: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

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

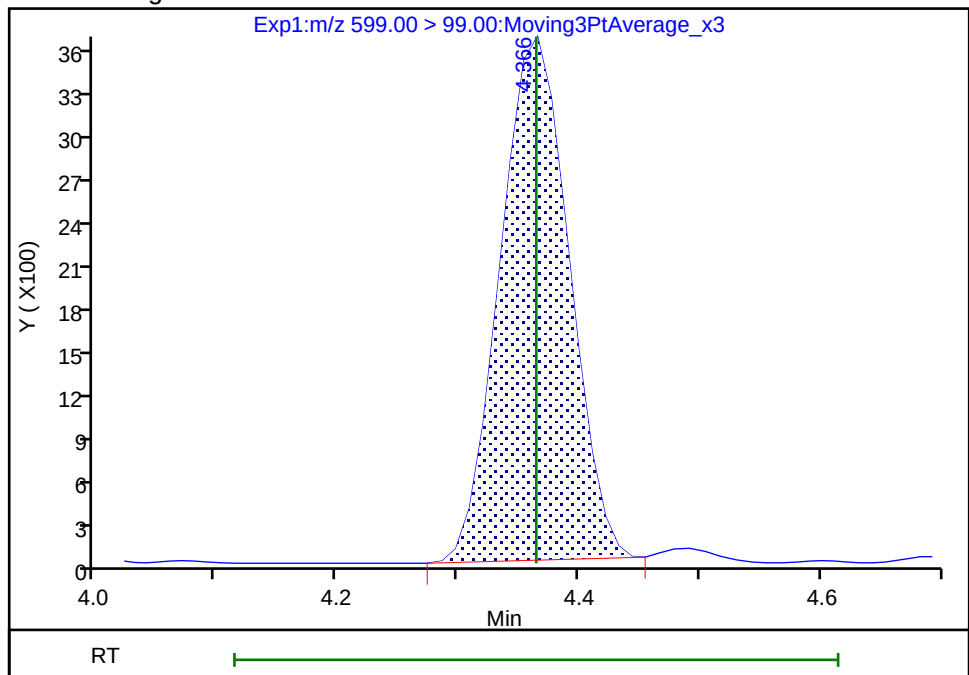
RT: 4.37
Area: 14526
Amount: 0.095221
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

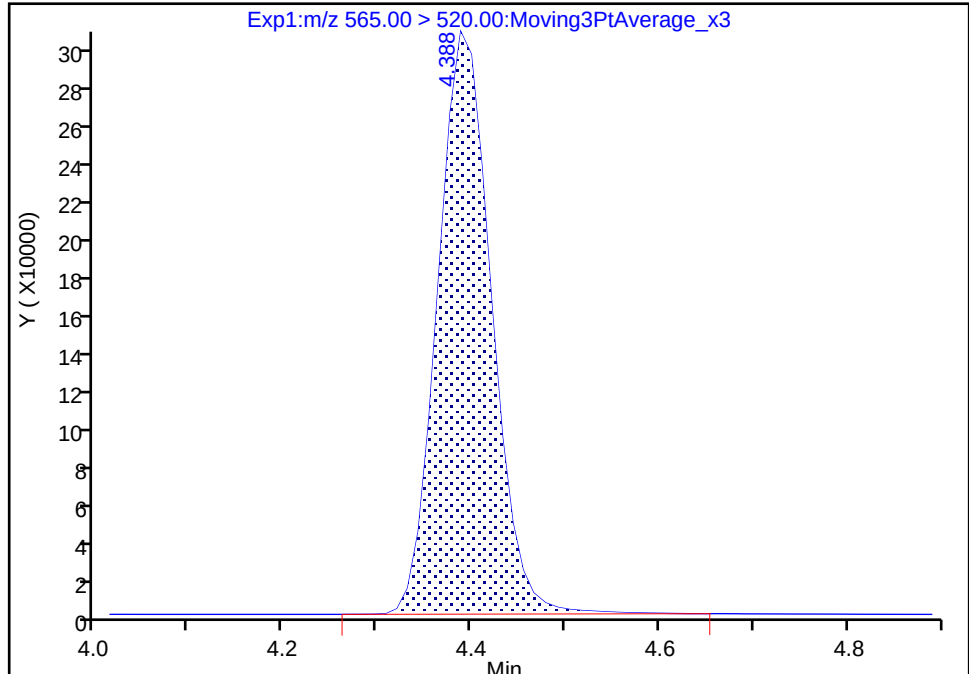
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

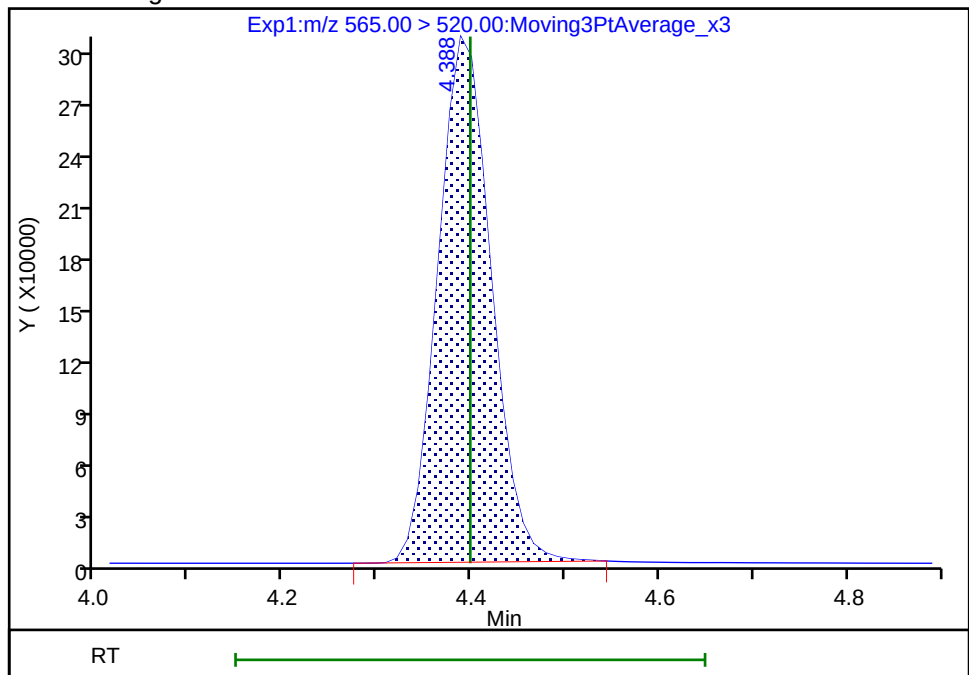
RT: 4.39
Area: 1215065
Amount: 1.238787
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

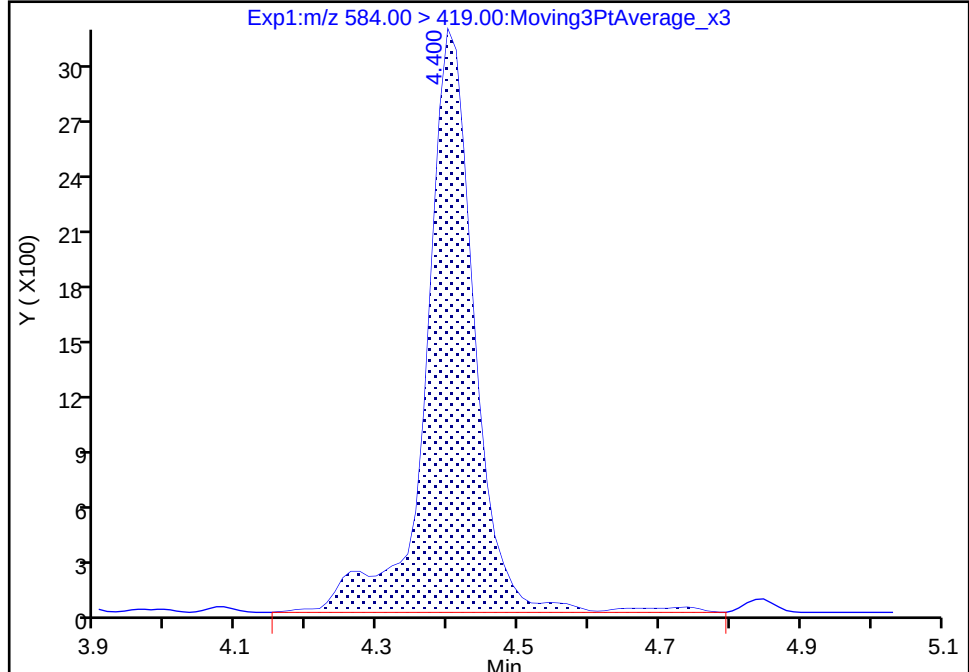
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

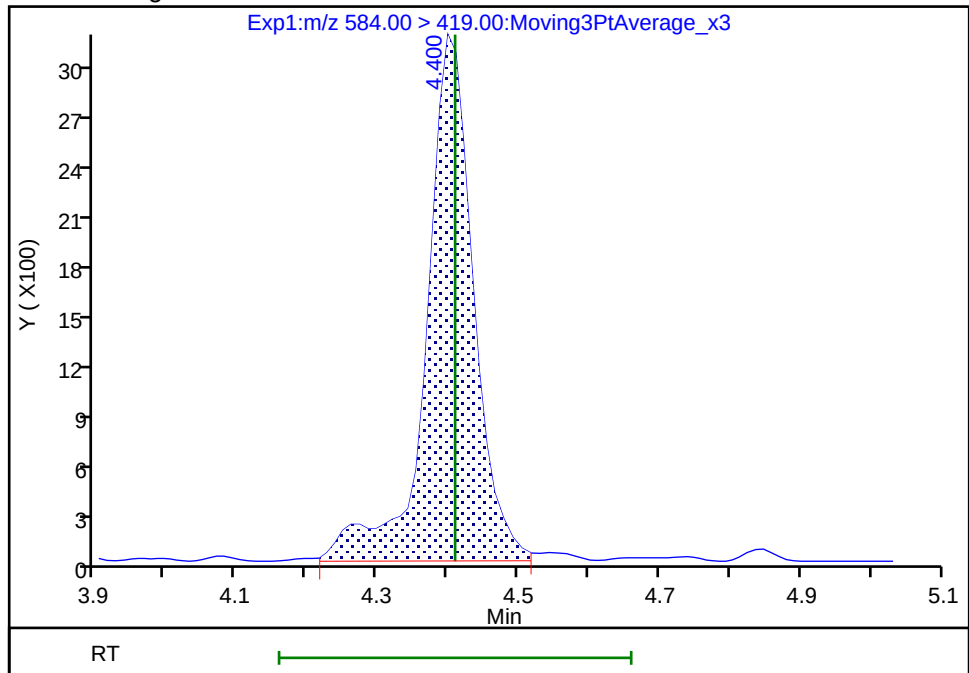
RT: 4.40
Area: 15373
Amount: 0.108005
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

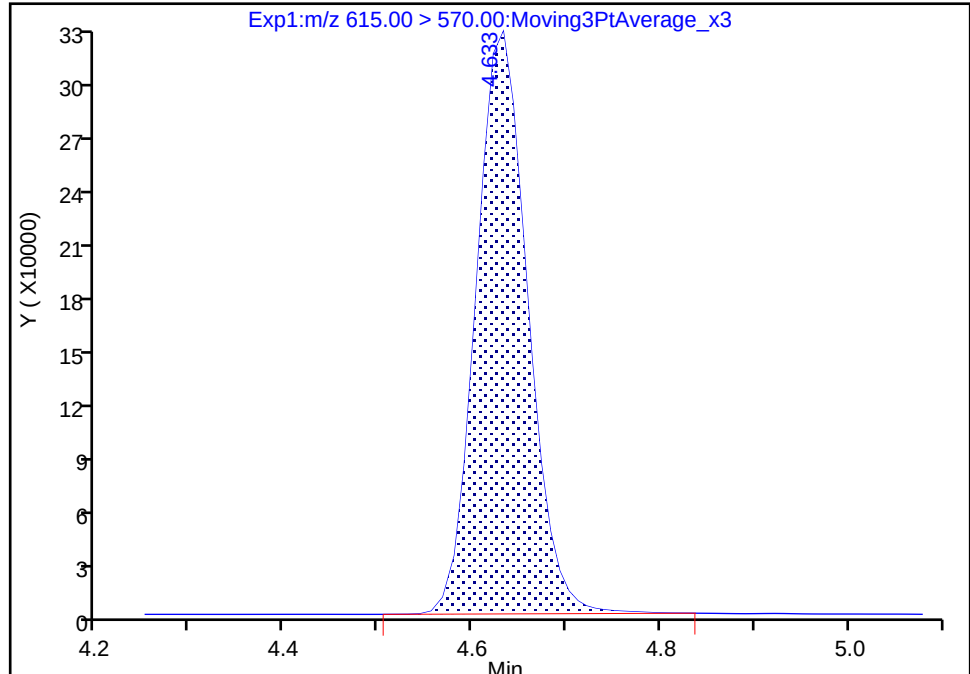
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d		
Injection Date:	03-Aug-2022 13:08:29	Instrument ID:	LC812
Lims ID:	IC		
Client ID:			
Operator ID:	lc812tech	ALS Bottle#:	3
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column: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

D 36 13C2 PFD_oA, CAS: STL00998

Signal: 1

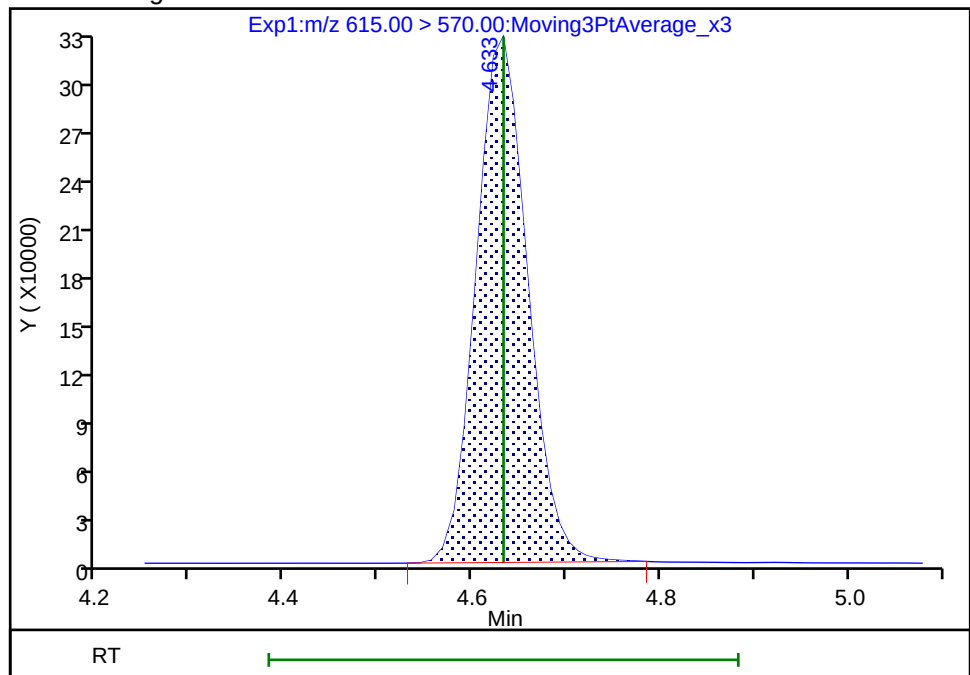
RT: 4.63
Area: 1236688
Amount: 1.198188
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

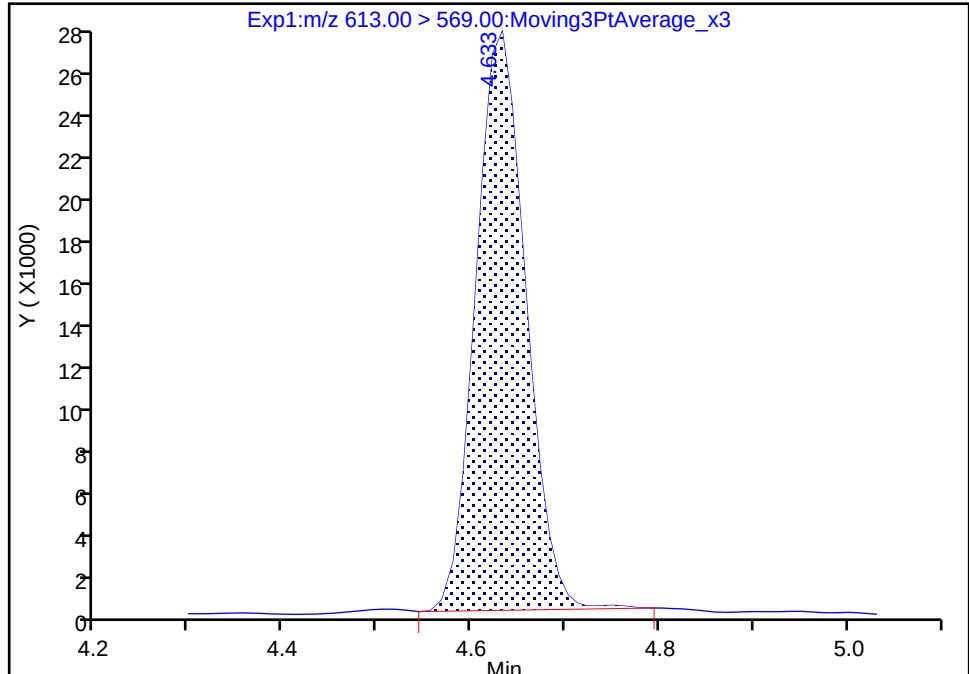
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d		
Injection Date:	03-Aug-2022 13:08:29	Instrument ID:	LC812
Lims ID:	IC		
Client ID:			
Operator ID:	lc812tech	ALS Bottle#:	3
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column: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

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

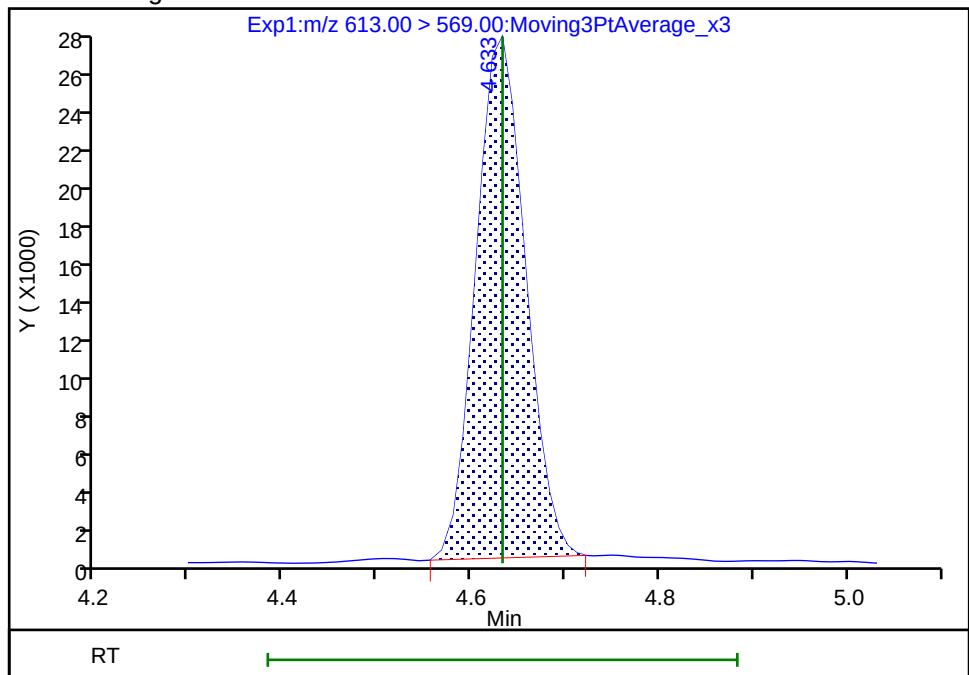
RT: 4.63
Area: 102104
Amount: 0.101642
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

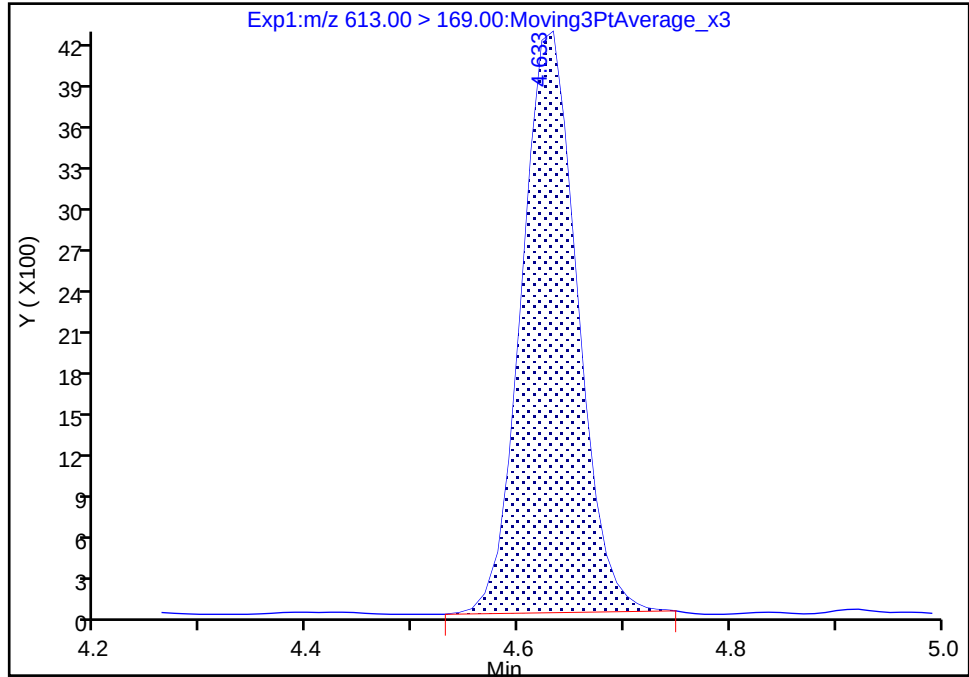
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

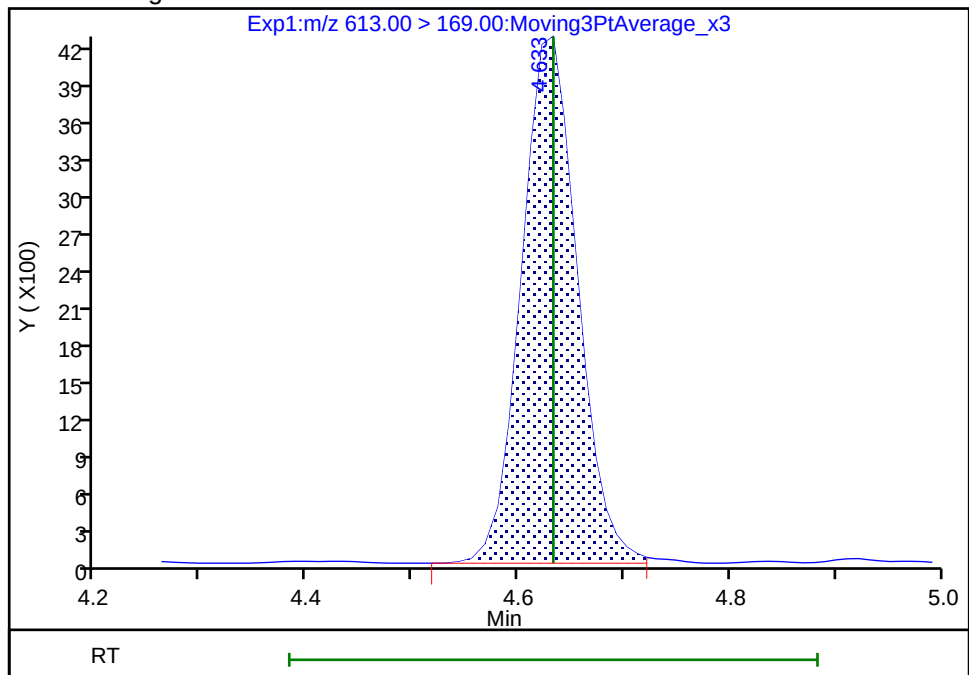
RT: 4.63
Area: 15398
Amount: 0.101642
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

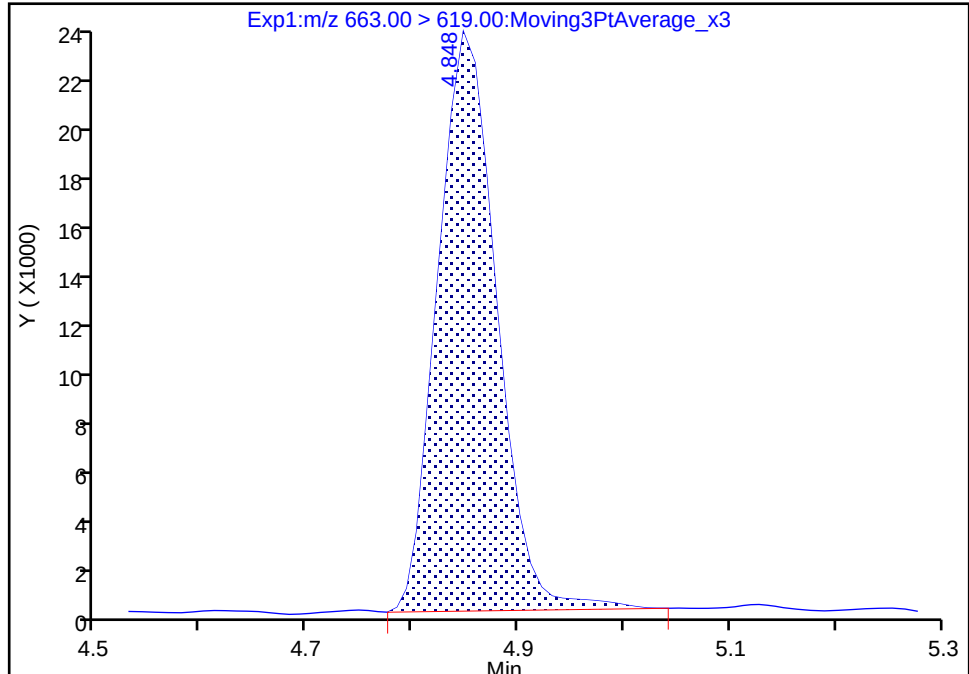
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

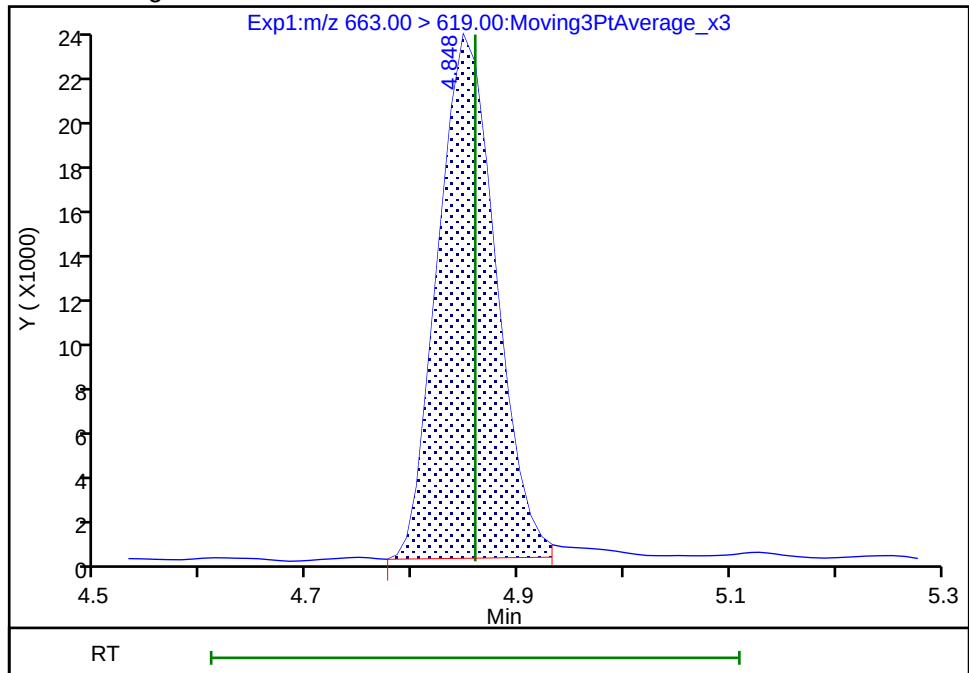
RT: 4.85
Area: 88461
Amount: 0.101868
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

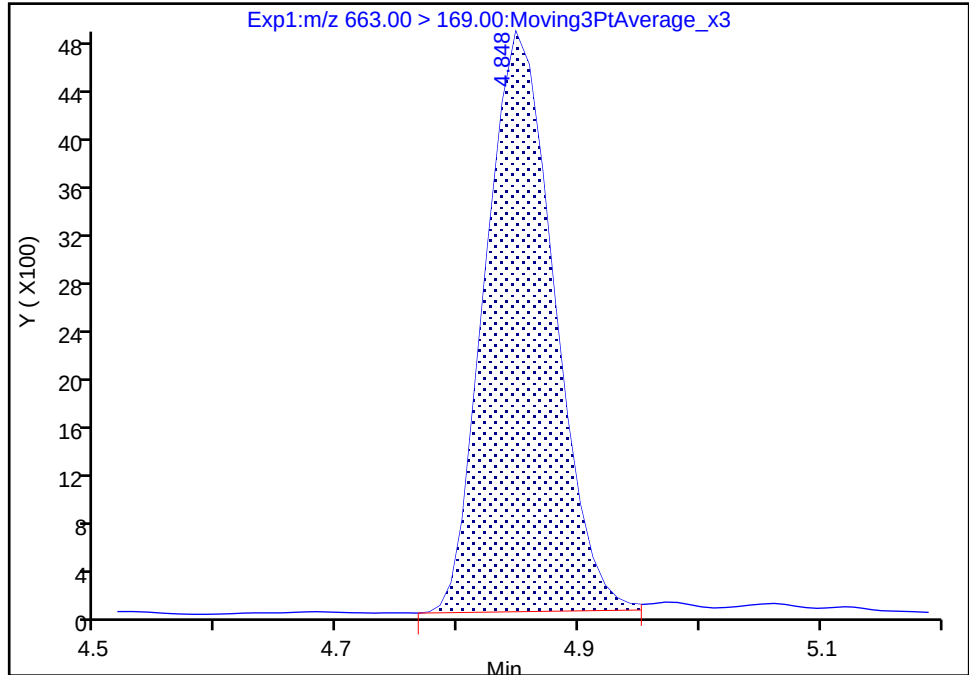
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

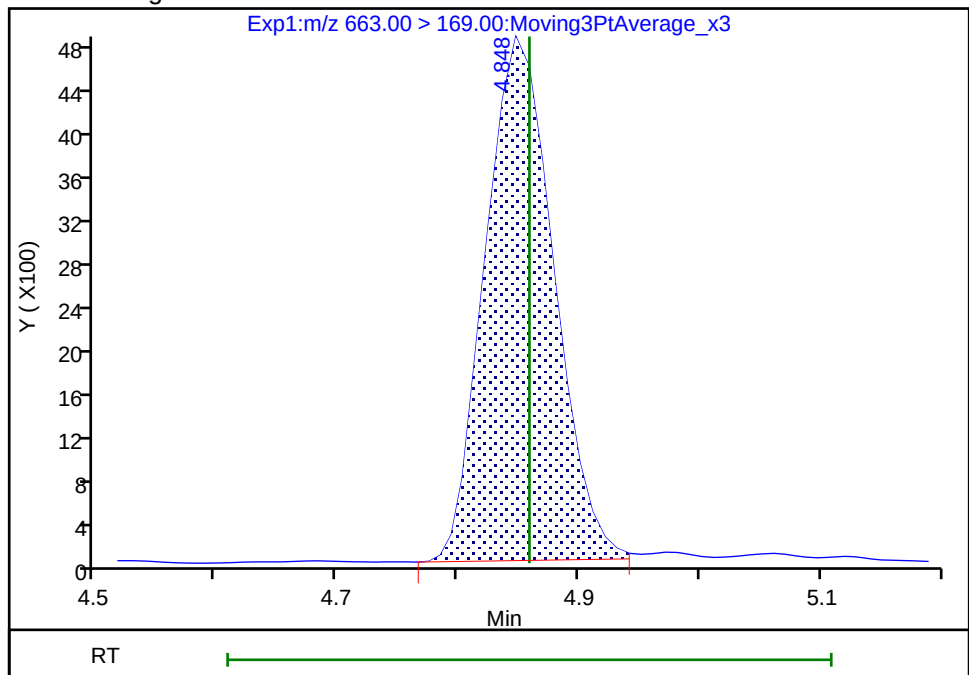
RT: 4.85
Area: 19217
Amount: 0.101868
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

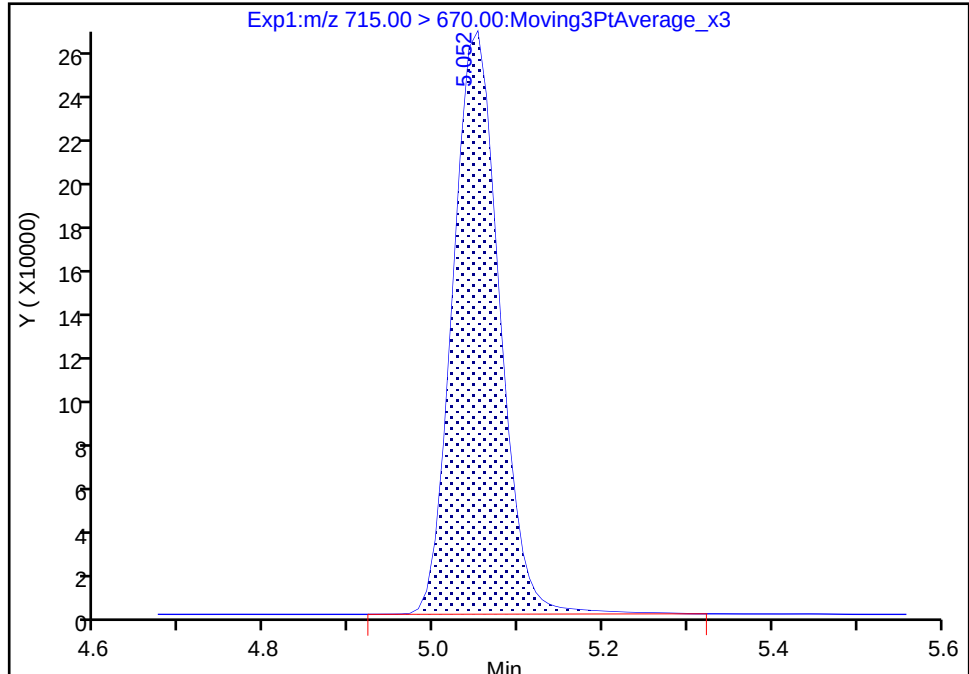
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

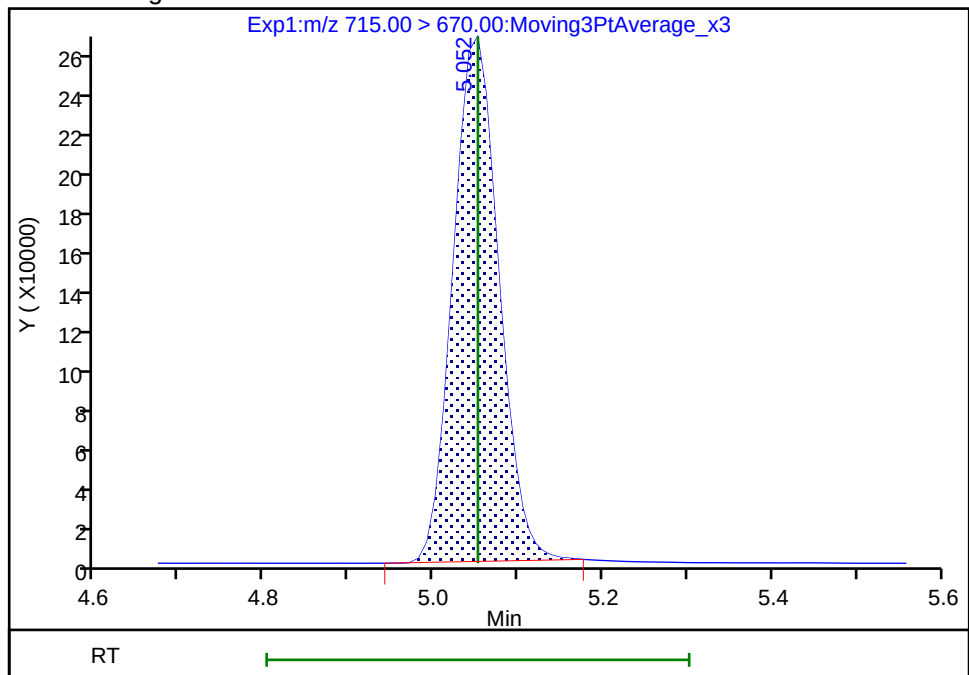
RT: 5.05
Area: 992002
Amount: 1.164124
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:37:57

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

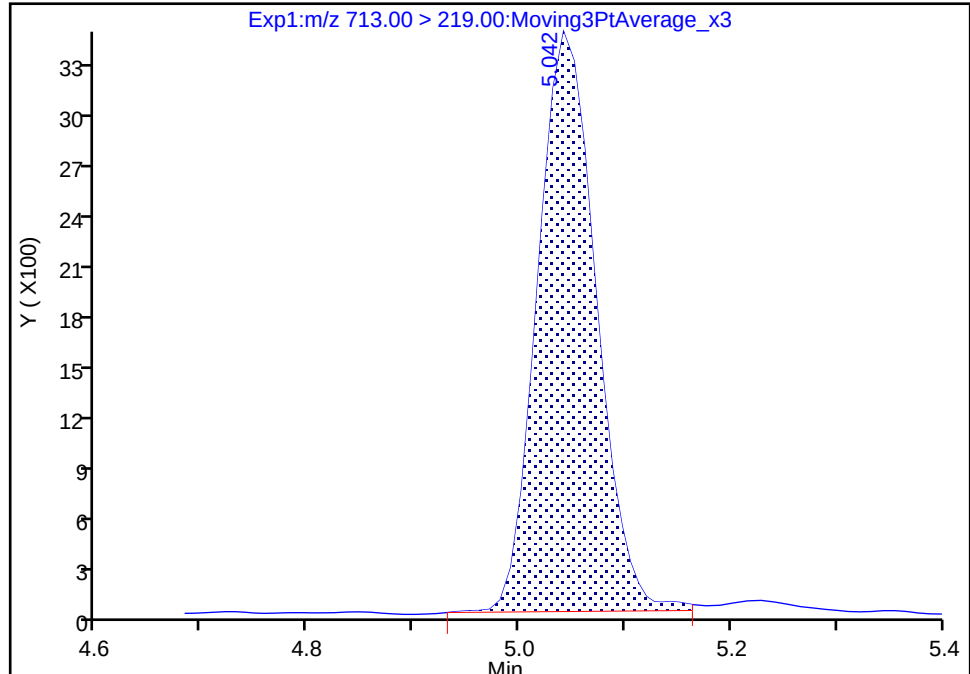
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

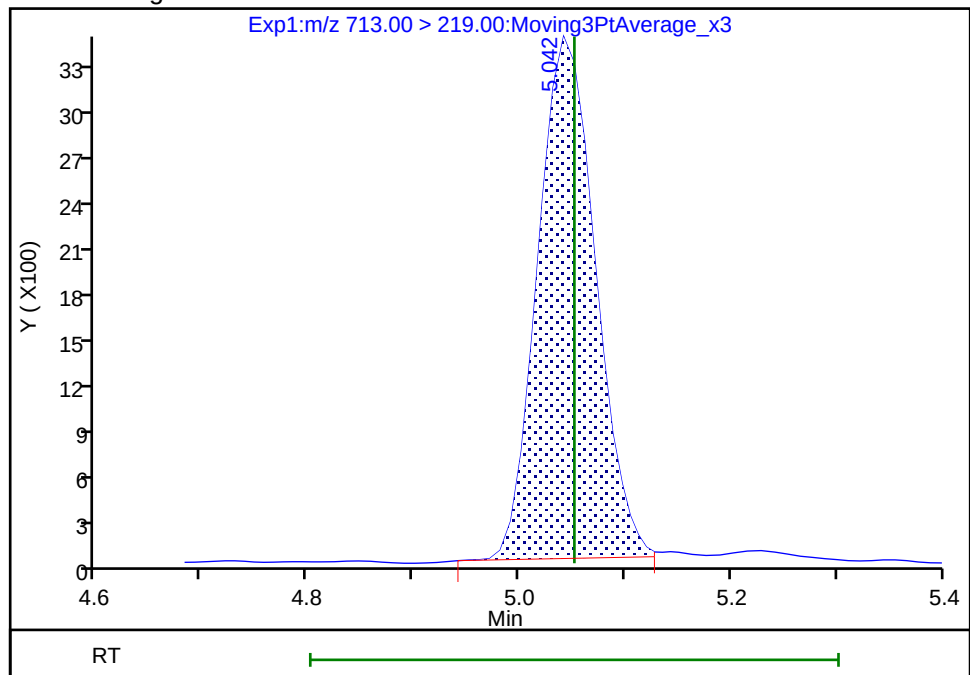
RT: 5.04
Area: 13267
Amount: 0.101386
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

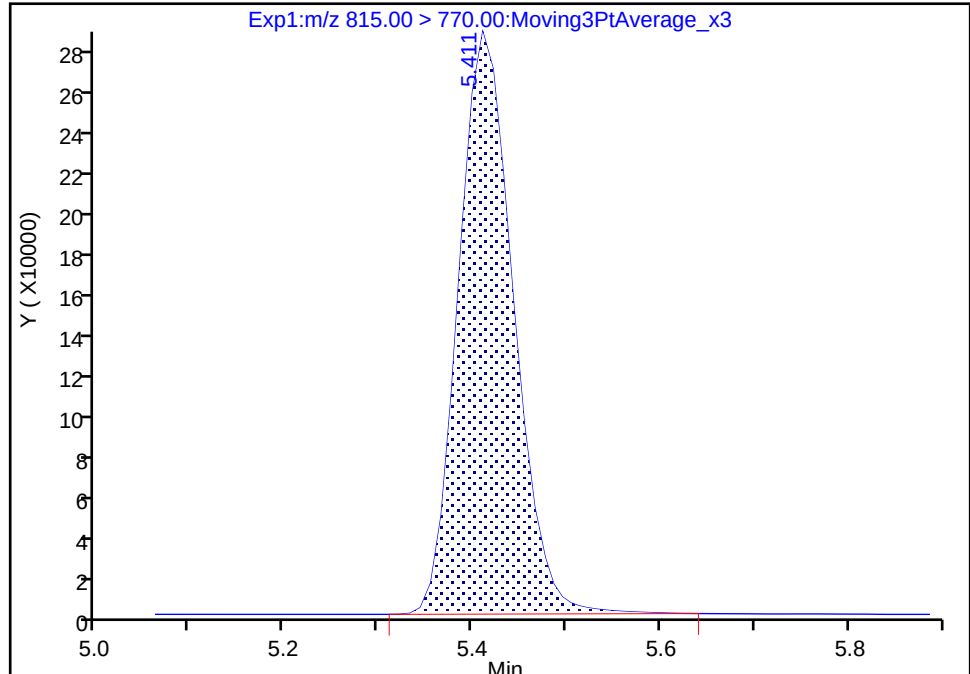
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 44 13C2 PFHxDA, CAS: STL02115

Signal: 1

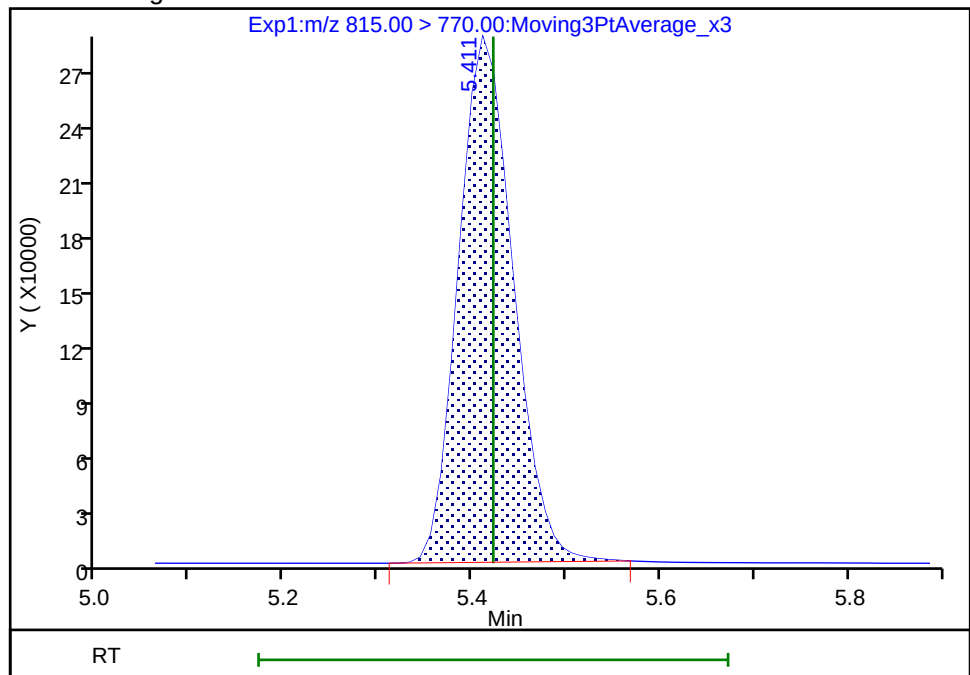
RT: 5.41
Area: 1144910
Amount: 1.260693
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

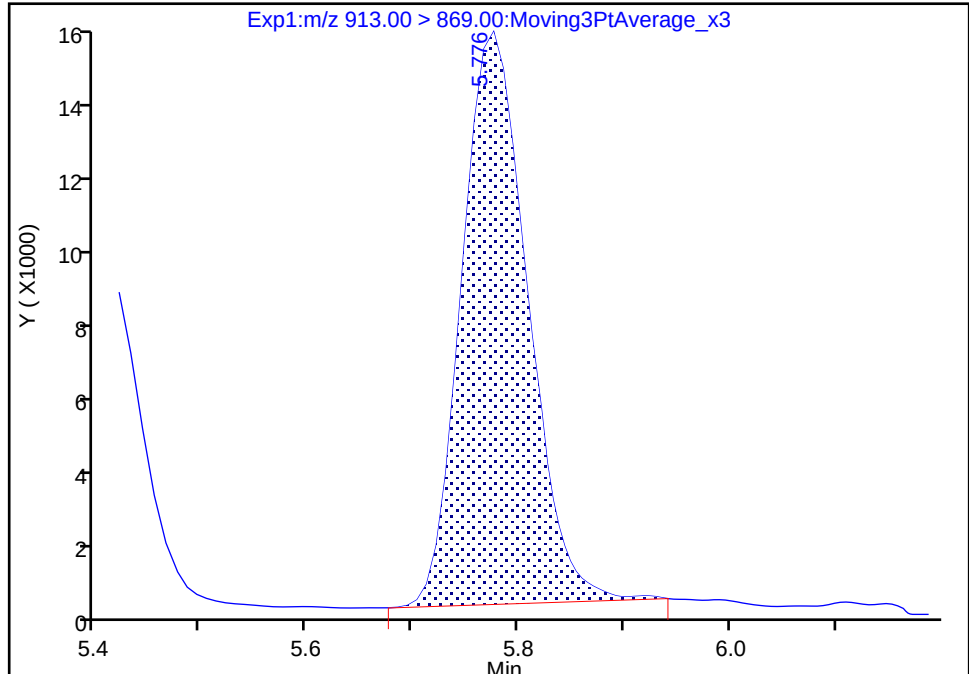
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

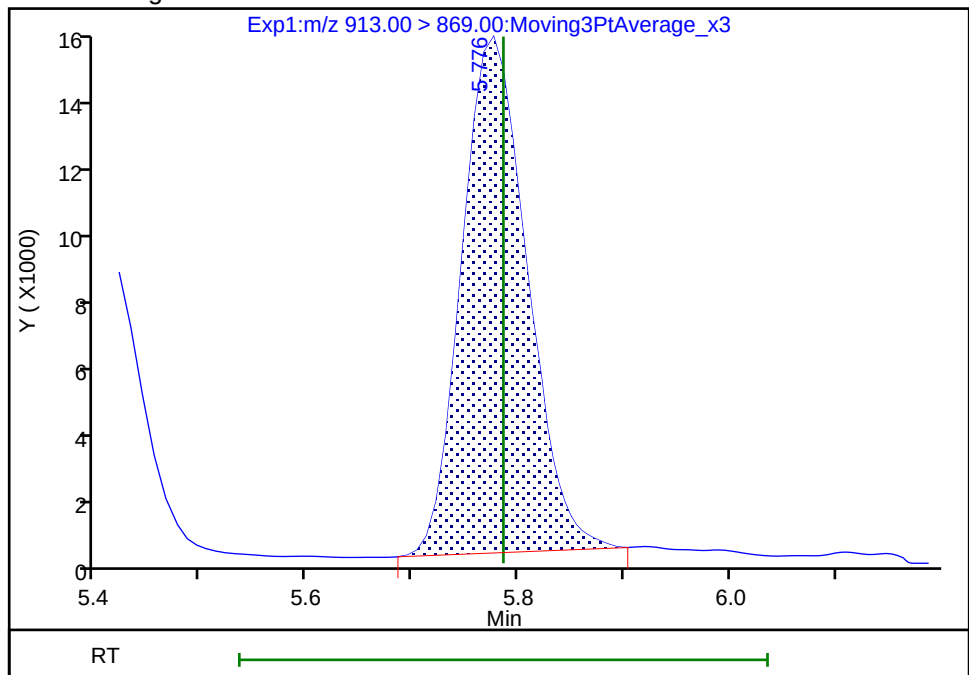
RT: 5.78
Area: 64999
Amount: 0.102017
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

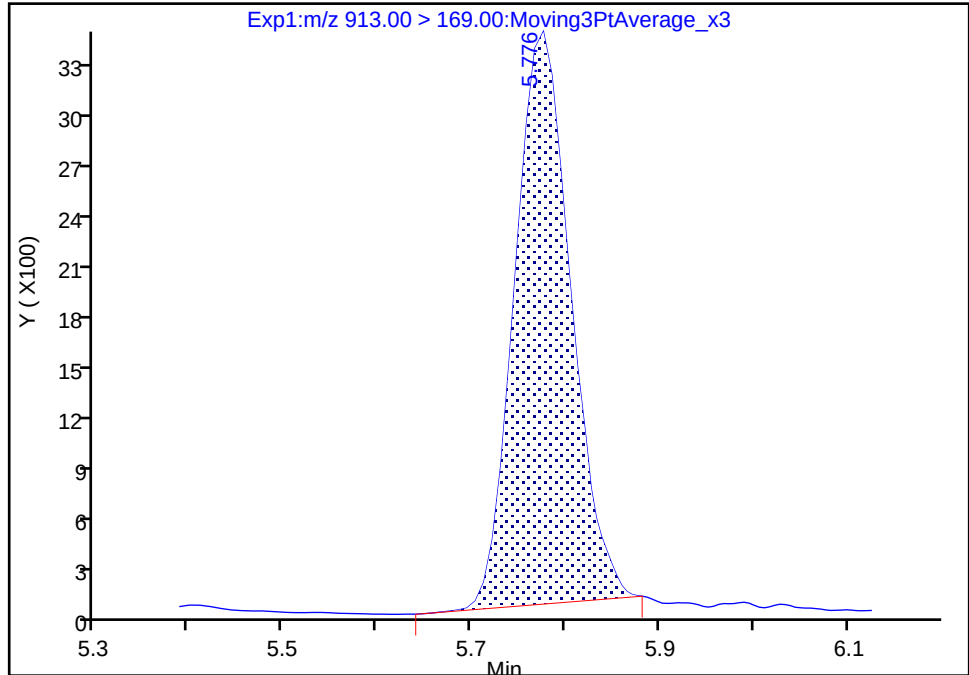
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

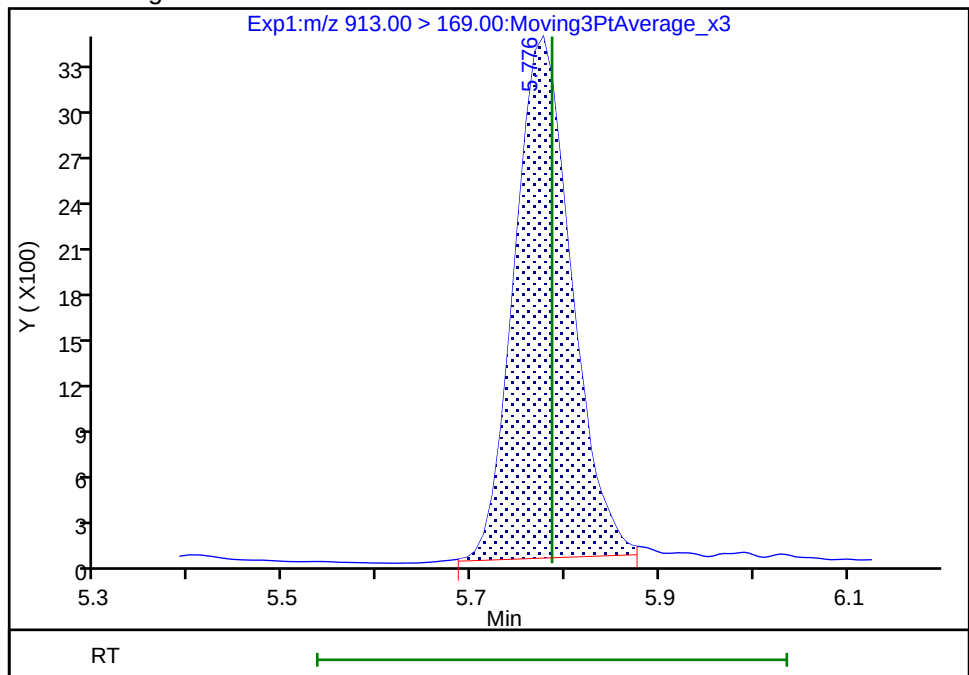
RT: 5.78
Area: 14173
Amount: 0.102017
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington
Target Compound Quantitation Report

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

First Level Reviewer: Z1IP

Date: 03-Aug-2022 13:45:20

Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										M
217.00 > 172.00	2.076	2.085	-0.009	0.596	1792010	1.23		98.0	7490	M
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.085	2.085	0.0	1.004	711450	0.5118		102	92.5	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.400	2.400	0.0	0.689	1422776	1.26		101	3390	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.400	2.400	0.0	1.000	591383	0.5040		101	24.9	M
D 47 13C3 PFBS										
301.90 > 80.00	2.413	2.413	0.0	0.693	1530333	1.18		101	251465	
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.413	2.413	0.0	1.000	638698	0.4395	Target=2.18	99.4	669	
298.90 > 99.00	2.413	2.413	0.0	1.000	299493		2.13(1.09-3.28)	99.4	269	
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.713	2.713	0.0	0.779	130321	1.16		99.6	142	M
61 1H,1H,2H,2H-perfluorohexanesulfo										
327.00 > 307.00	2.713	2.713	0.0	1.000	127514	0.4806		103	1843	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.750	2.750	0.0	1.000	601465	0.5028	Target=12.37	101	143	M
313.00 > 119.00	2.750	2.750	0.0	1.000	48082		12.51(6.19-18.56)	101	82.1	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.750	2.750	0.0	0.790	1432991	1.28		102	2856	
70 Perfluoropentanesulfonic acid										
349.00 > 80.00	2.750	2.762	-0.012	0.881	579172	0.4932	Target=3.00	105	1043	
349.00 > 99.00	2.750	2.762	-0.012	0.881	188472		3.07(1.50-4.50)	105	424	
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.859	2.859	0.0	0.821	255203	1.21		96.6	1858	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
67 Perfluoro(2-propoxypropanoic) ac										
285.00 > 169.00	2.859	2.859	0.0	1.000	109153	0.4976		99.5	1014	
D 9 13C4 PFHpA										
367.00 > 322.00	3.121	3.121	0.0	0.896	1532788	1.32		105	3644	
10 Perfluoroheptanoic acid										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										
515.00 > 470.00	4.115	4.127	-0.012	1.182	1496707	1.24		99.3	1311	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.127	4.138	-0.011	1.185	212018	1.15		96.0	676	
D 21 13C8 FOSA										
506.00 > 78.00	4.173	4.173	0.0	1.198	1341161	1.27		102	1541	M
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.173	4.173	0.0	1.000	561197	0.5133		103	1110	
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.273	4.273	0.0	1.003	78017	0.5651		113	202	M
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.261	4.273	-0.012	1.224	194324	1.20		96.2	1096	M
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.365	4.365	0.0	1.151	200232	0.5105	Target=2.62	106	1562	M
599.00 > 99.00	4.365	4.365	0.0	1.151	81639		2.45(1.31-3.93)	106	703	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.387	4.399	-0.012	1.260	1177558	1.29		103	1921	M
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.387	4.399	-0.012	1.000	503320	0.5043	Target=8.83	101	386	M
563.00 > 169.00	4.398	4.399	-0.001	1.003	57209		8.80(4.41-13.24)	101	614	M
33 N-ethylperfluorooctanesulfonamid										
584.00 > 419.00	4.410	4.410	0.0	1.003	71793	0.5095		102	425	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.398	4.410	-0.012	1.263	194014	1.27		101	810	
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.491	4.491	0.0	1.184	768442	0.4965		105	1514	M
D 36 13C2 PFDaA										
615.00 > 570.00	4.633	4.633	0.0	1.330	1166932	1.23		98.6	2227	
37 Perfluorododecanoic acid										
613.00 > 569.00	4.633	4.633	0.0	1.000	498404	0.5264	Target=6.63	105	80.6	M
613.00 > 169.00	4.633	4.633	0.0	1.000	80760		6.17(3.32-9.95)	105	432	M
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.653	4.654	-0.001	1.128	39968	0.5004		104	335	M
75 Perfluorododecanesulfonic acid (										
699.00 > 80.00	4.812	4.813	-0.001	1.269	93712	0.5381	Target=0.54	111	1106	
699.00 > 99.00	4.812	4.813	-0.001	1.269	158626		0.59(0.27-0.81)	111	1061	M
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.848	4.859	-0.011	1.046	432811	0.5274	Target=4.62	105	76.0	M
663.00 > 169.00	4.848	4.859	-0.011	1.046	95909		4.51(2.31-6.94)	105	545	M
D 43 13C2 PFTeDA										
715.00 > 670.00	5.051	5.052	-0.001	1.451	969884	1.25		100	1985	M
42 Perfluorotetradecanoic acid										
713.00 > 169.00	5.051	5.052	-0.001	1.000	63032	0.5071	Target=0.94	101	465	M
713.00 > 219.00	5.041	5.052	-0.011	0.998	69631		0.91(0.47-1.41)	101	669	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
45 Perfluorohexadecanoic acid										M
813.00 > 769.00	5.422	5.422	0.0	1.002	429383	0.5545	Target=4.40	111	97.2	
813.00 > 169.00	5.411	5.422	-0.011	1.000	95637		4.49(2.20-6.59)	111	757	M
D 44 13C2 PFHxDA										M
815.00 > 770.00	5.411	5.422	-0.011	1.554	1043688	1.18		94.7	2036	M
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.776	5.786	-0.010	1.068	304377	0.5483	Target=4.42	110	91.0	M
913.00 > 169.00	5.776	5.786	-0.010	1.068	68198		4.46(2.21-6.63)	110	303	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PFAS32NCIC3_00014

Amount Added: 100.00

Units: uL

Eurofins Burlington

Data File: \\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

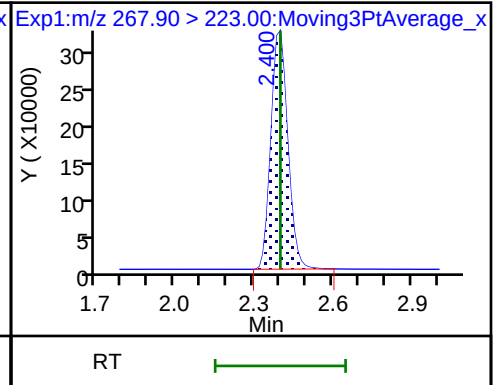
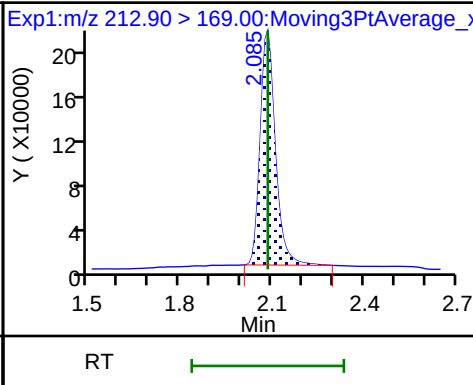
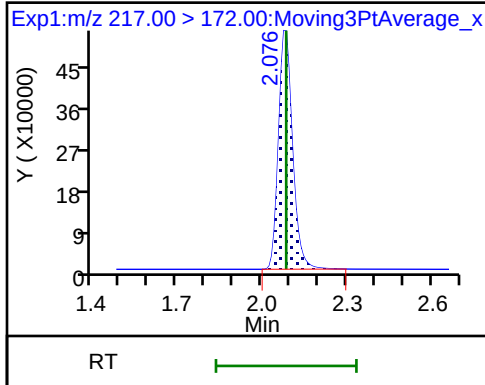
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA (M)

2 Perfluorobutanoic acid (M)

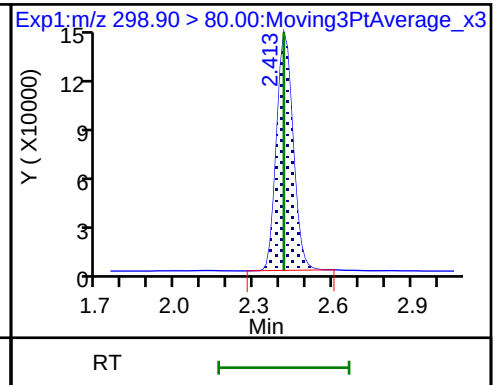
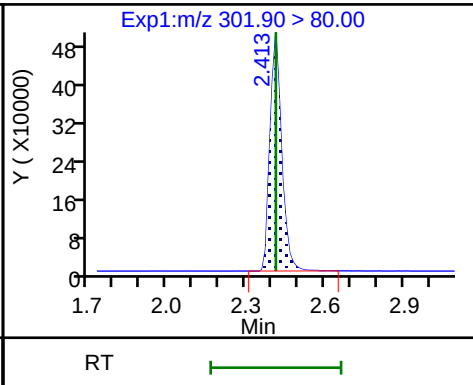
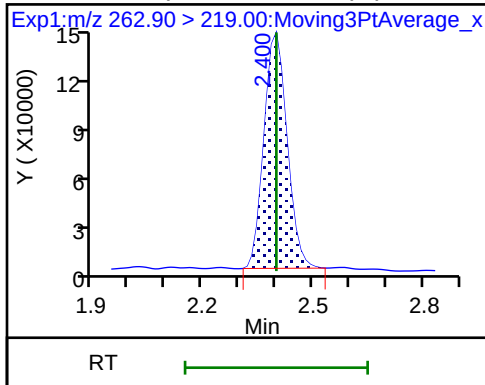
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

D 47 13C3 PFBS

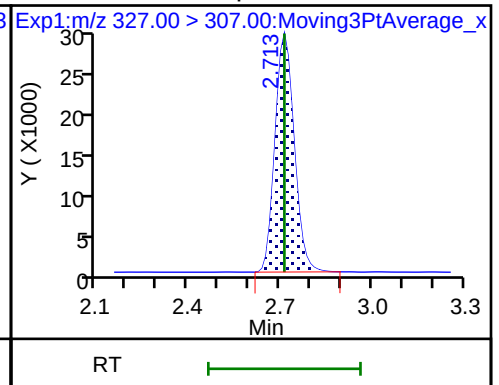
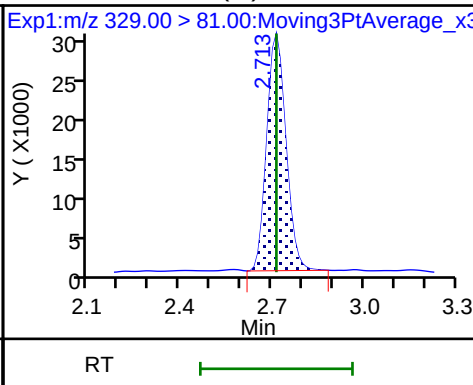
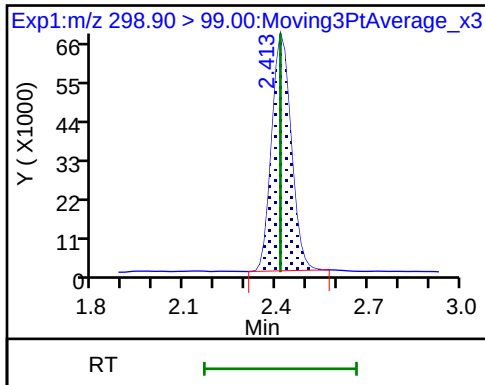
5 Perfluorobutanesulfonic acid



5 Perfluorobutanesulfonic acid

D 60 M2-4:2 FTS (M)

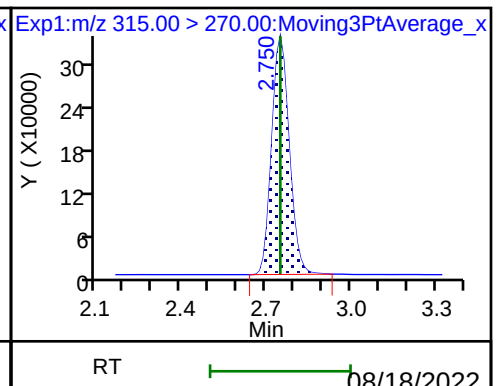
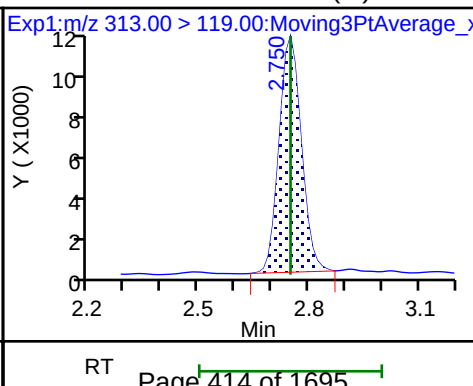
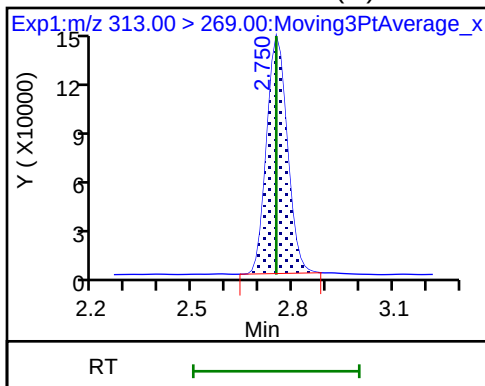
61 1H,1H,2H,2H-perfluorohexanesulfo

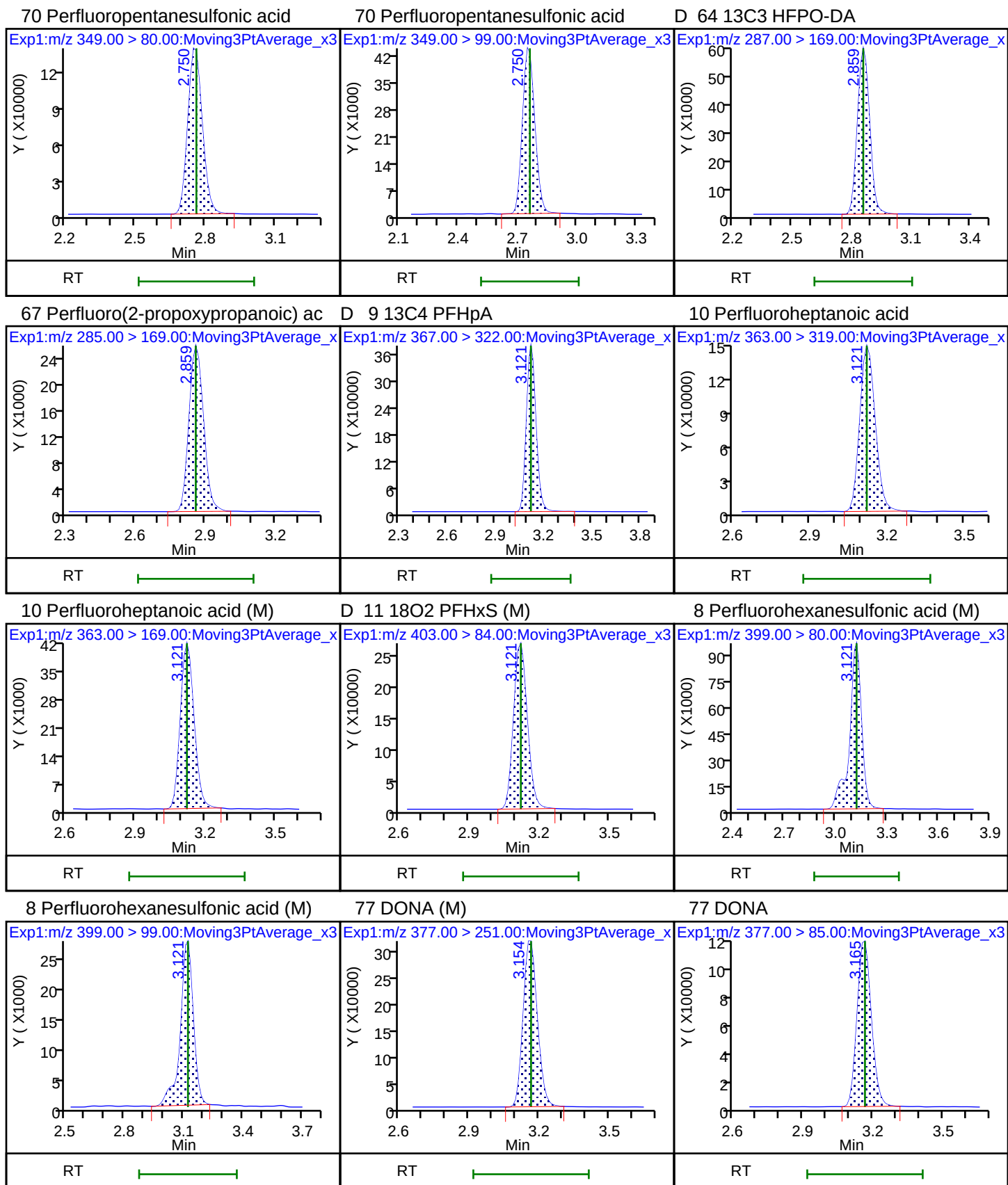


6 Perfluorohexanoic acid (M)

6 Perfluorohexanoic acid (M)

D 7 13C2 PFHxA

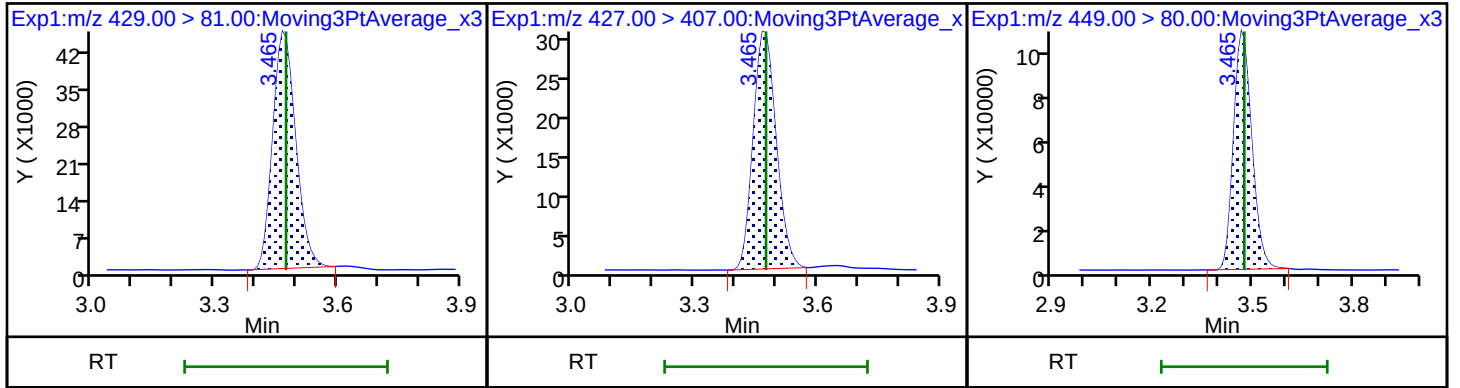




D 12 M2-6:2 FTS (M)

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

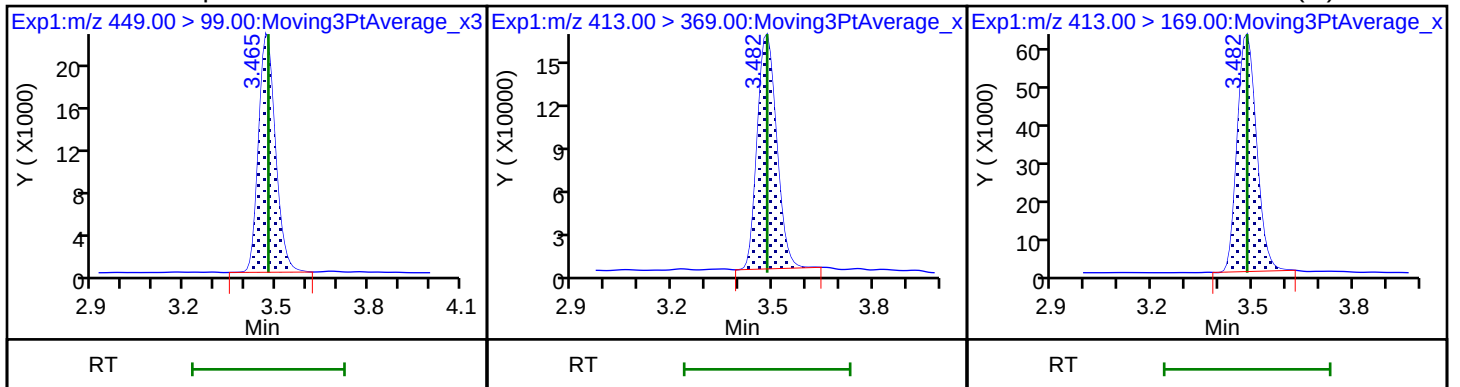
16 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid

15 Perfluorooctanoic acid

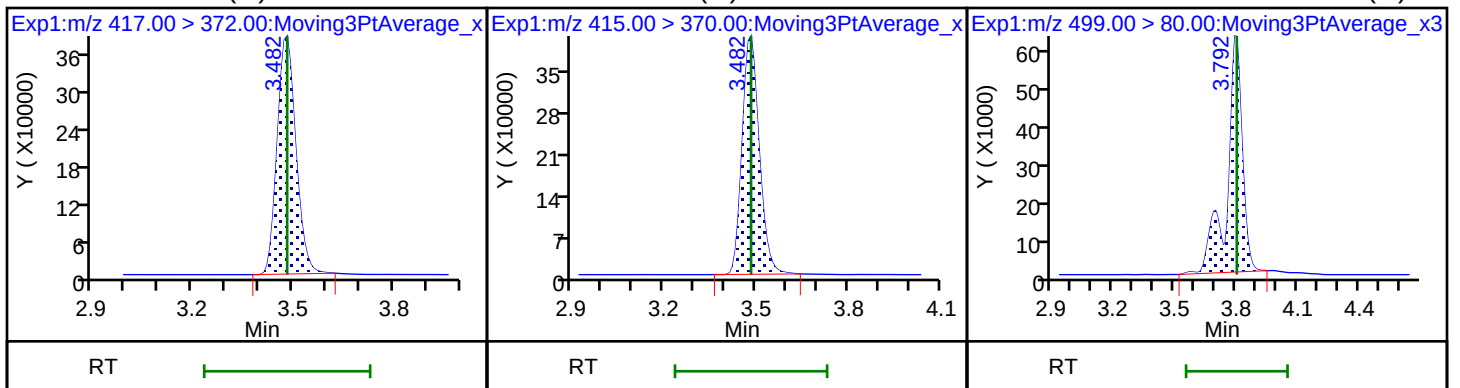
15 Perfluorooctanoic acid (M)



D 14 13C4 PFOA (M)

* 62 13C2 PFOA (M)

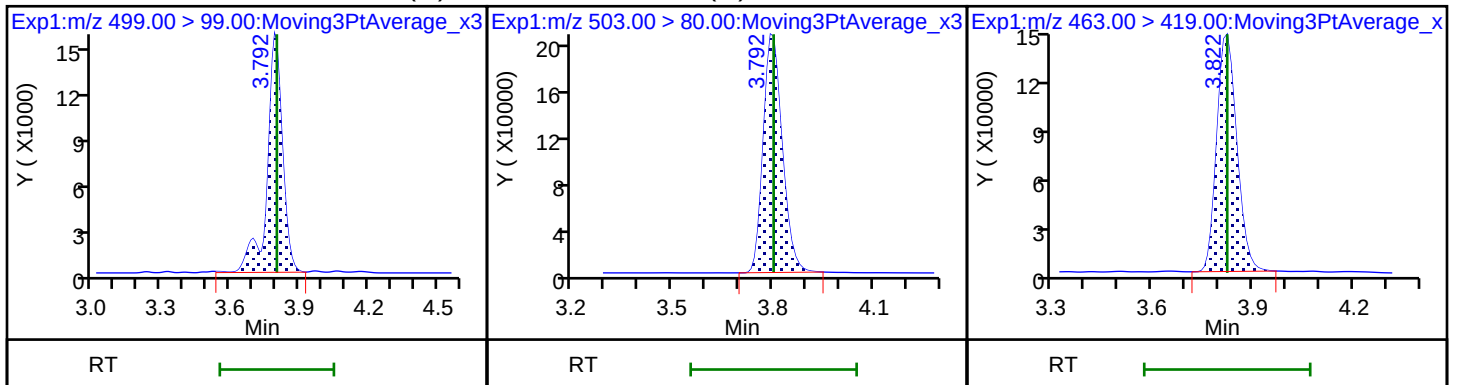
17 Perfluorooctanesulfonic acid (M)

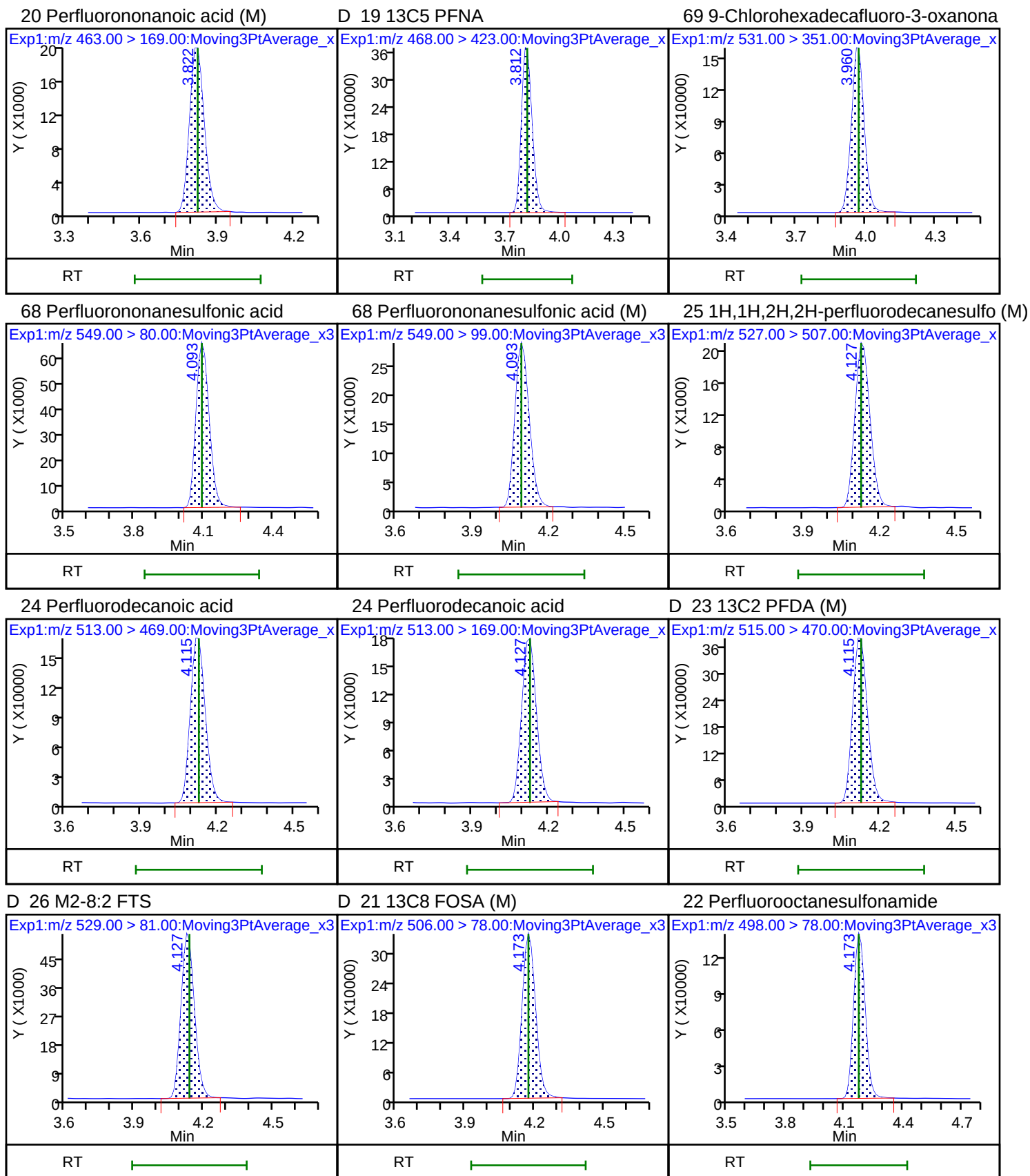


17 Perfluorooctanesulfonic acid (M)

D 18 13C4 PFOS (M)

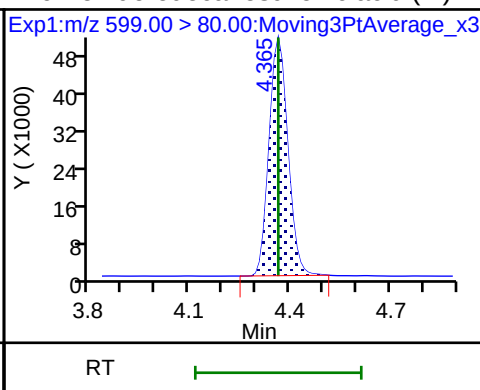
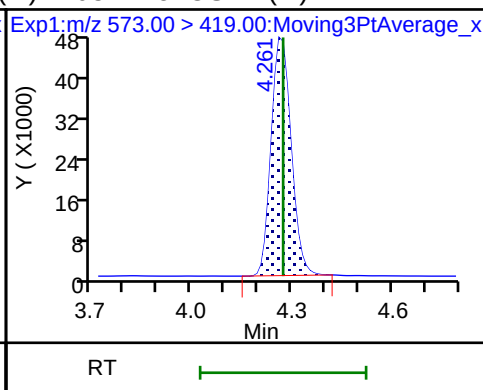
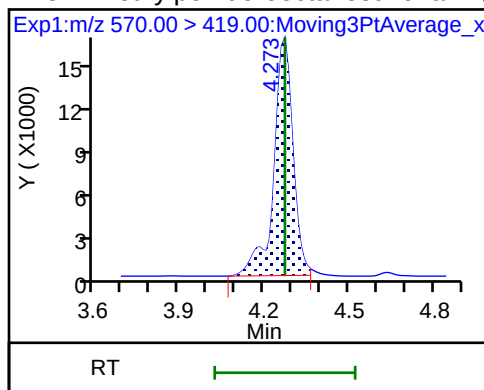
20 Perfluorononanoic acid





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

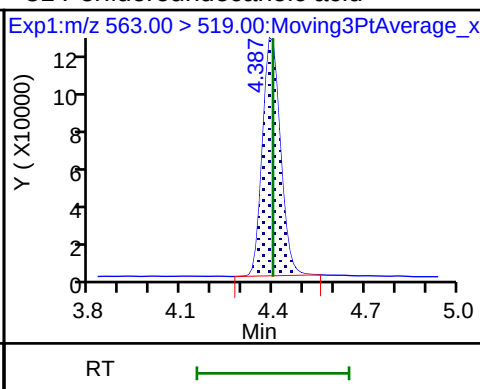
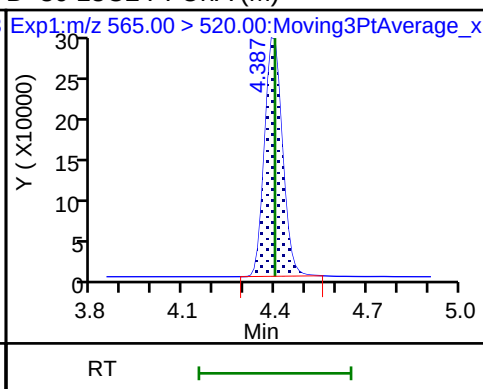
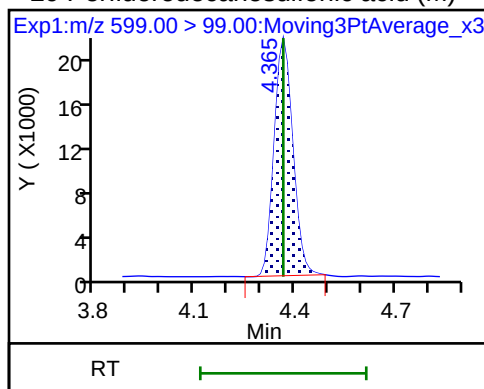
29 Perfluorodecanesulfonic acid (M)



29 Perfluorodecanesulfonic acid (M)

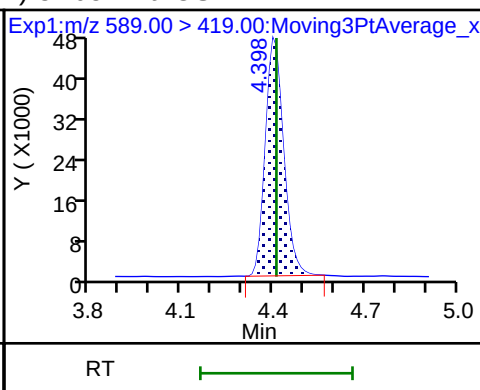
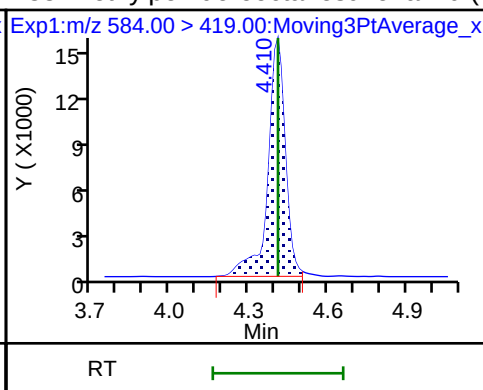
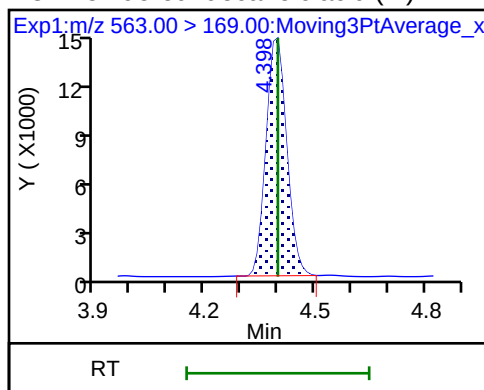
D 30 13C2 PFUnA (M)

31 Perfluoroundecanoic acid



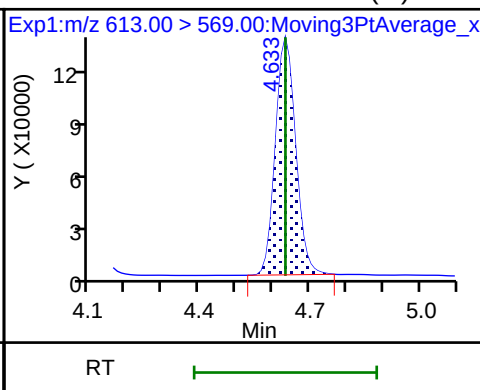
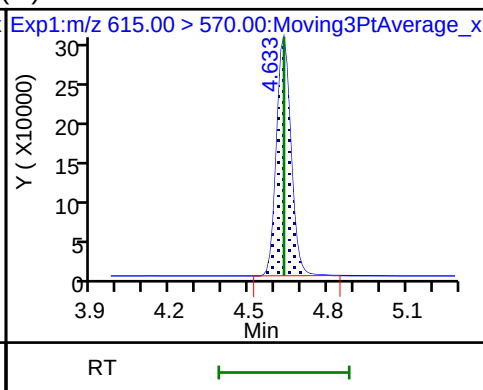
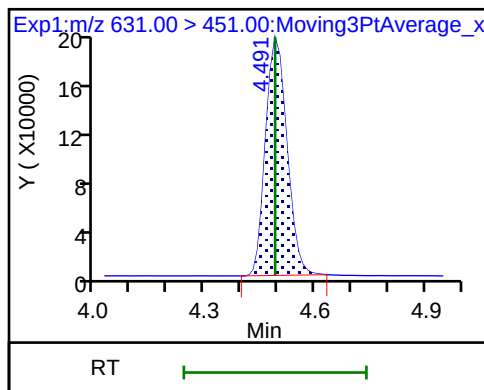
31 Perfluoroundecanoic acid (M)

33 N-ethylperfluorooctanesulfonamid (M) 32 d5-NEtFOSAA

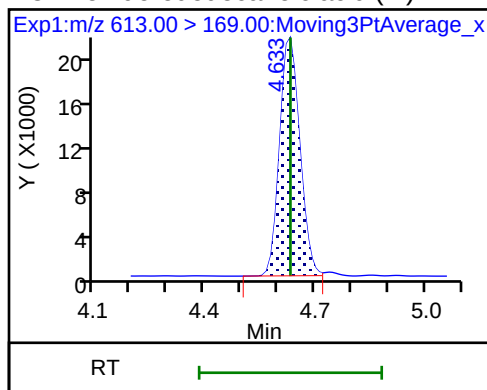


66 11-Chloroeicosafluoro-3-oxaundec (M) 36 13C2 PFDoA

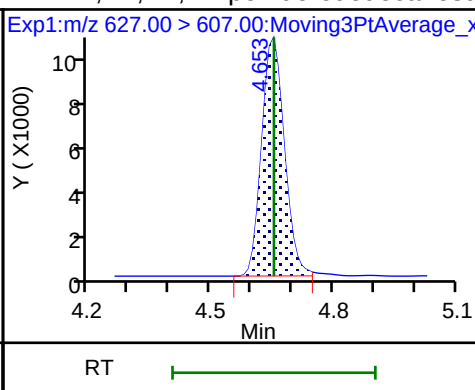
37 Perfluorododecanoic acid (M)



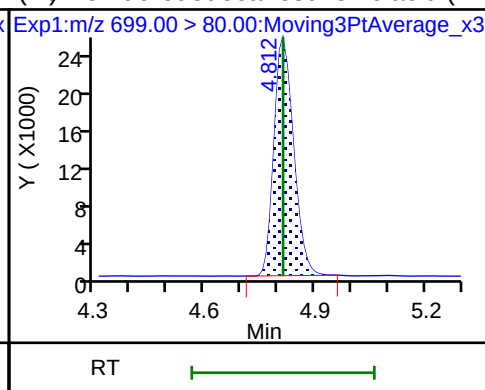
37 Perfluorododecanoic acid (M)



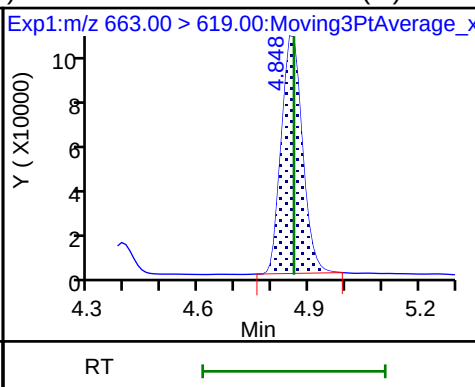
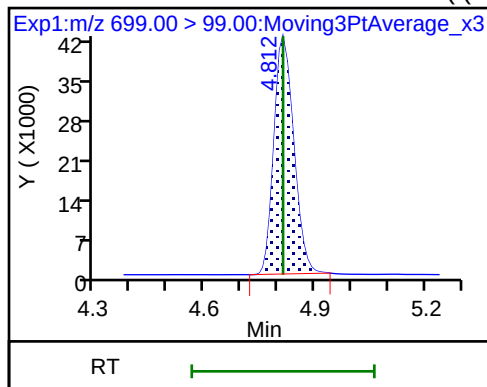
74 1H,1H,2H,2H-perfluorododecanesul (M)



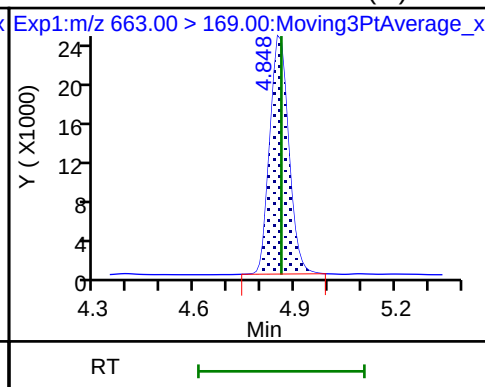
75 Perfluorododecanesulfonic acid (M)



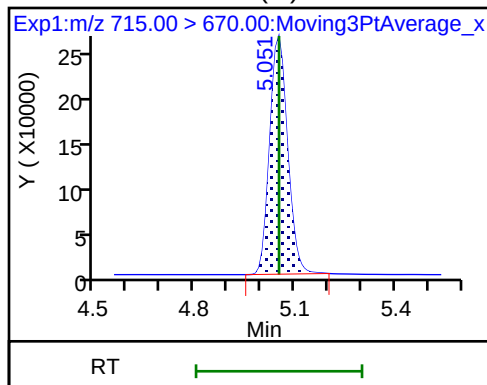
75 Perfluorododecanesulfonic acid (M) 41 Perfluorotridecanoic acid (M)



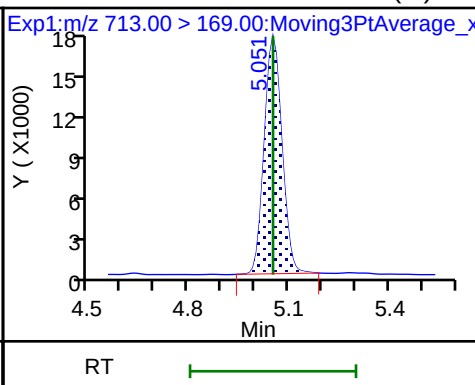
41 Perfluorotridecanoic acid (M)



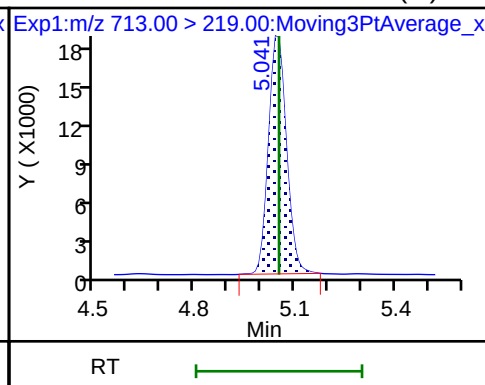
D 43 13C2 PFTeDA (M)



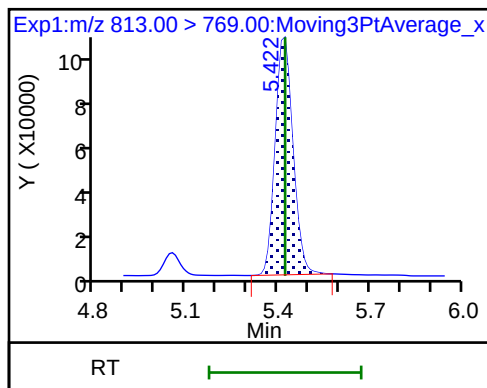
42 Perfluorotetradecanoic acid (M)



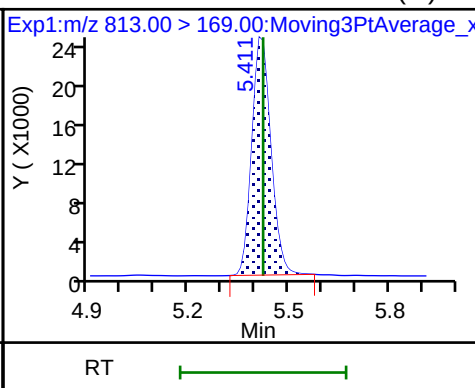
42 Perfluorotetradecanoic acid (M)



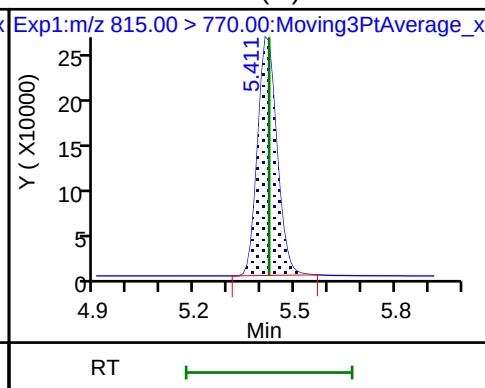
45 Perfluorohexadecanoic acid



45 Perfluorohexadecanoic acid (M)

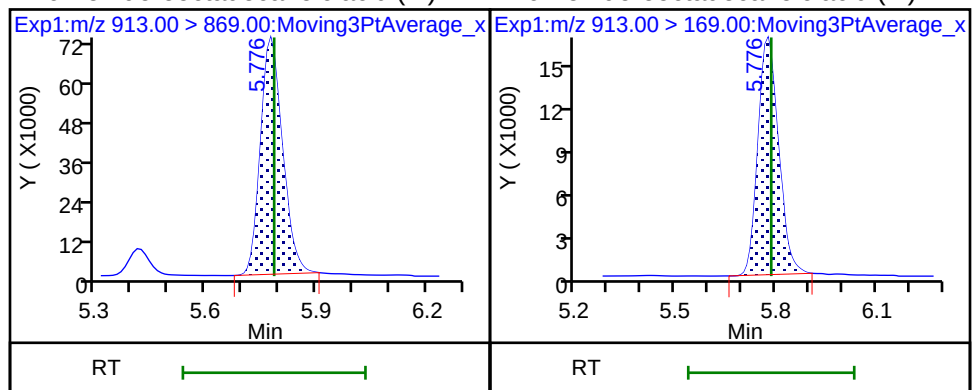


D 44 13C2 PFHxDA (M)



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

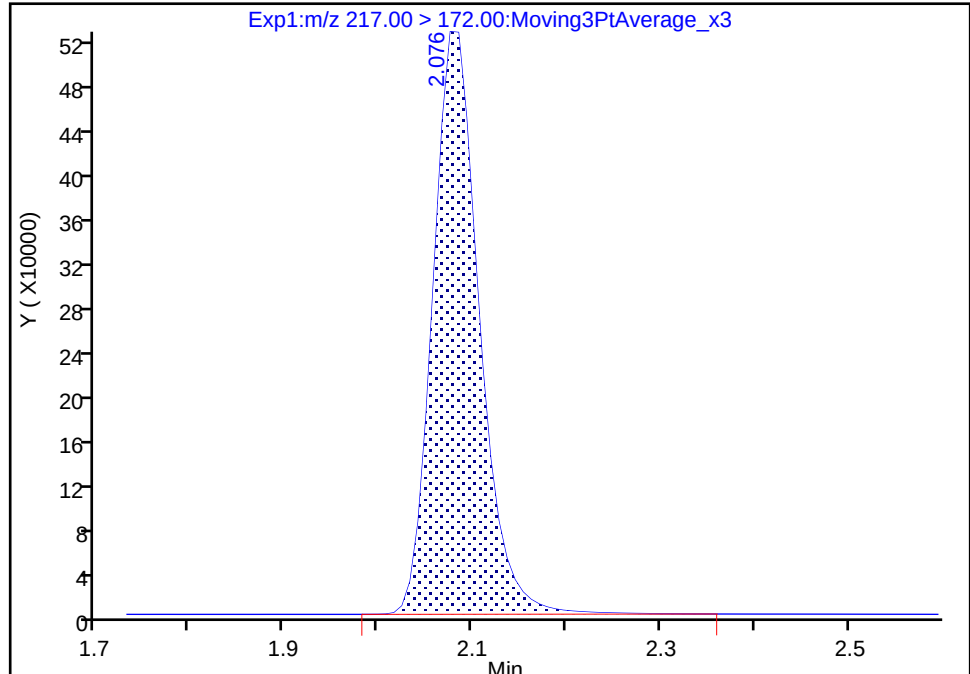
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 1 13C4 PFBA, CAS: STL00992

Signal: 1

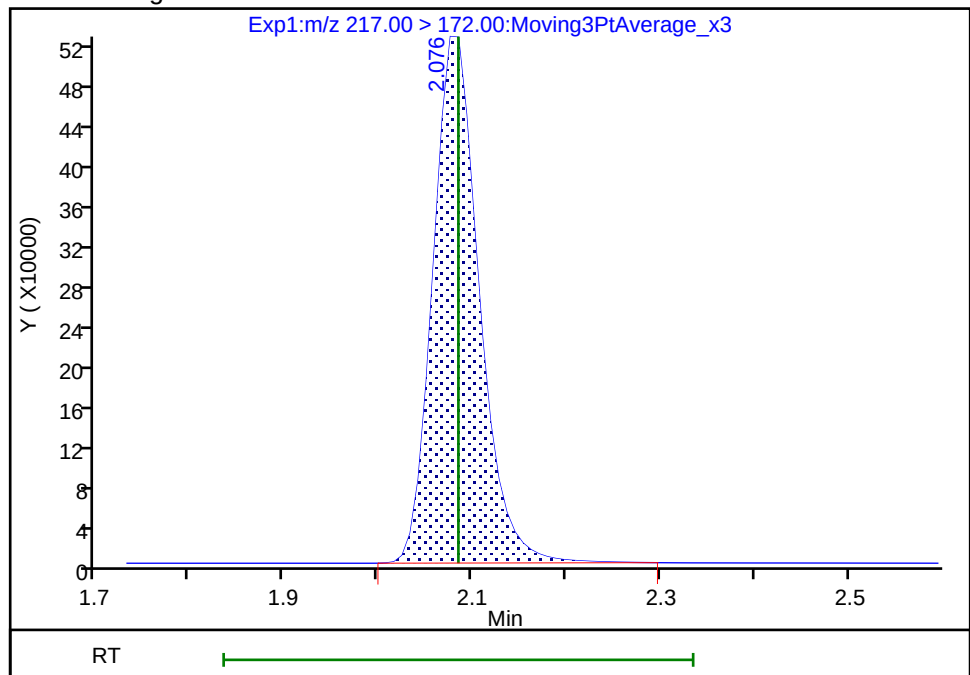
RT: 2.08
Area: 1795345
Amount: 1.268232
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

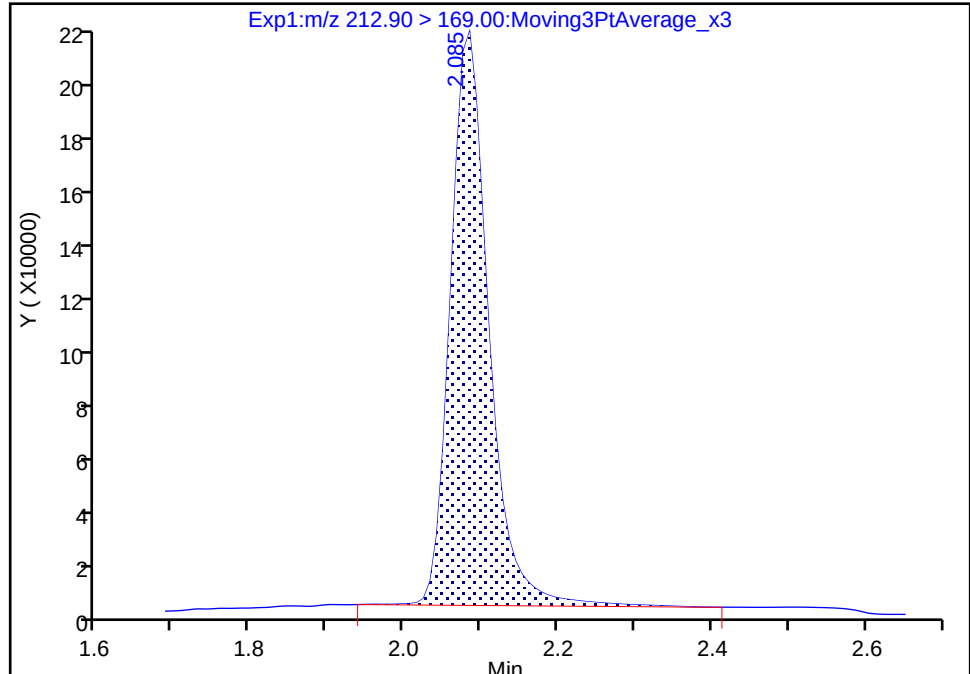
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

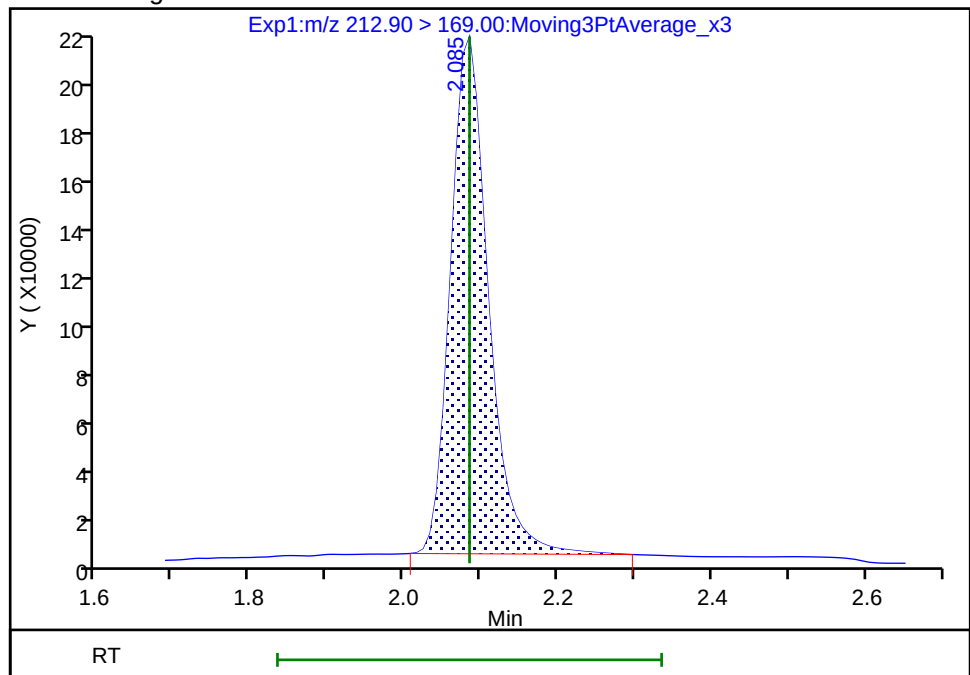
RT: 2.08
Area: 724572
Amount: 0.519802
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

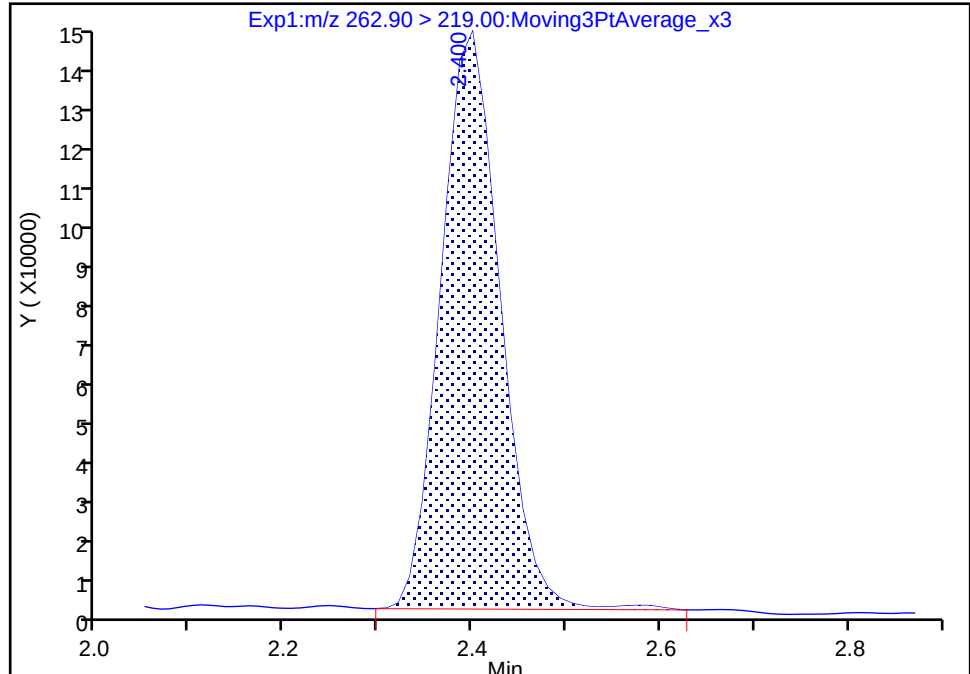
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

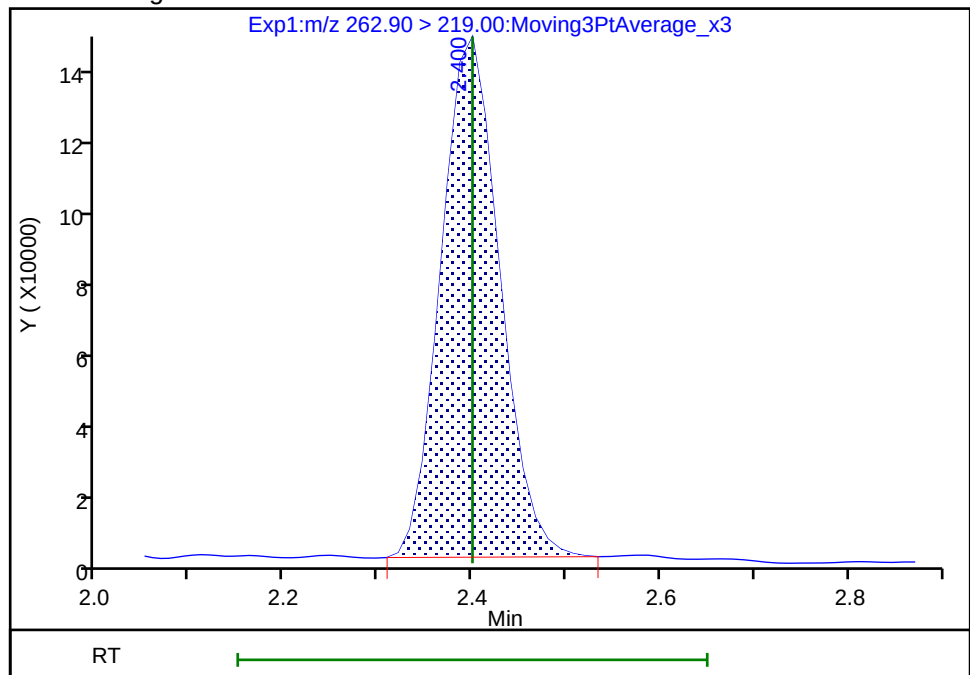
RT: 2.40
Area: 600040
Amount: 0.507888
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

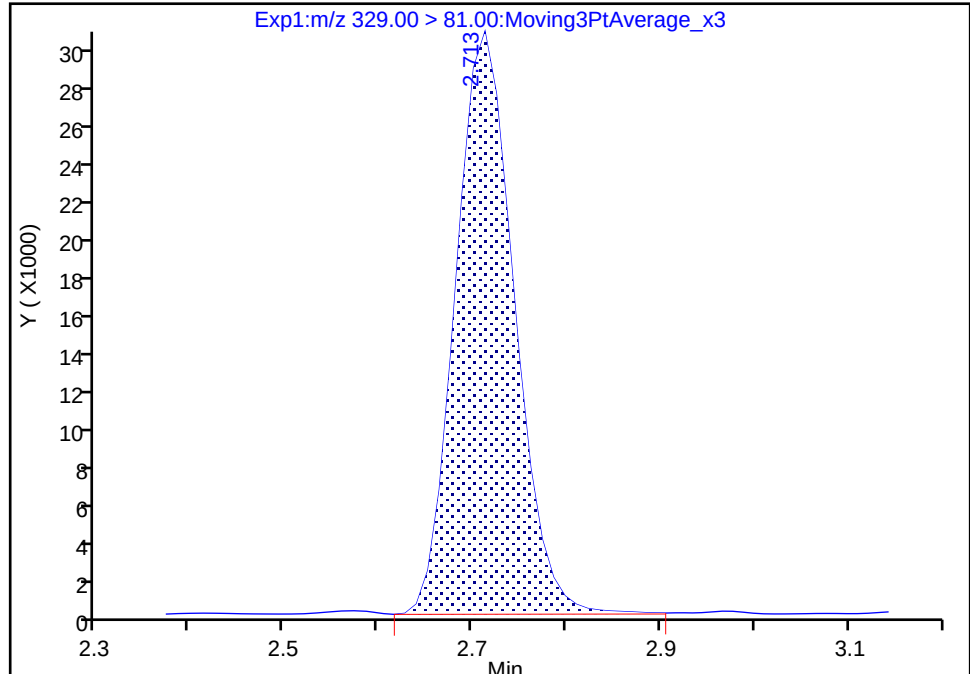
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

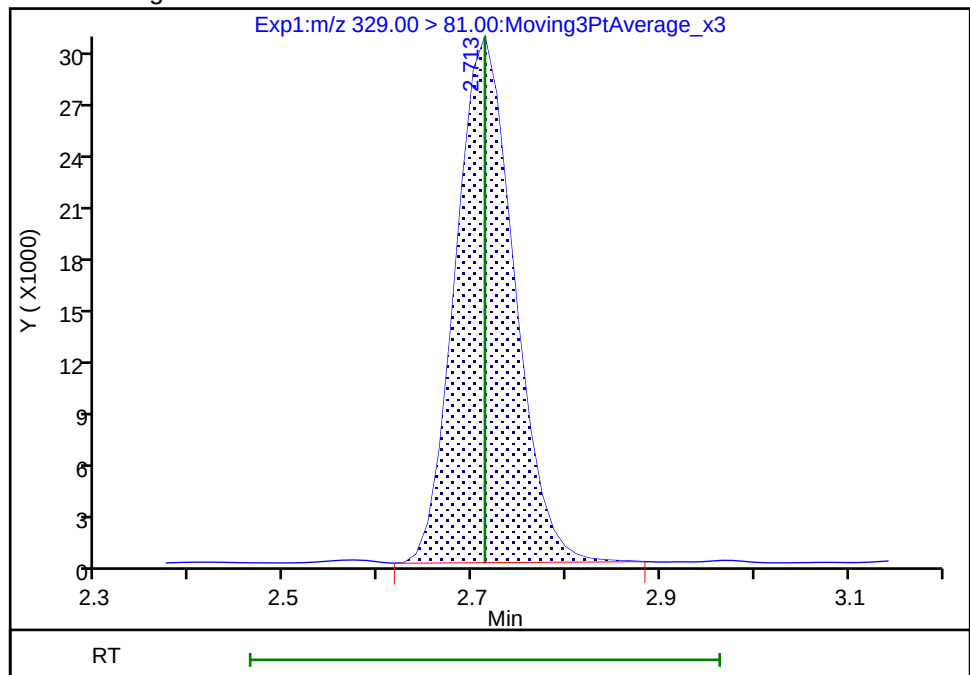
RT: 2.71
Area: 130969
Amount: 1.103533
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:39:58

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

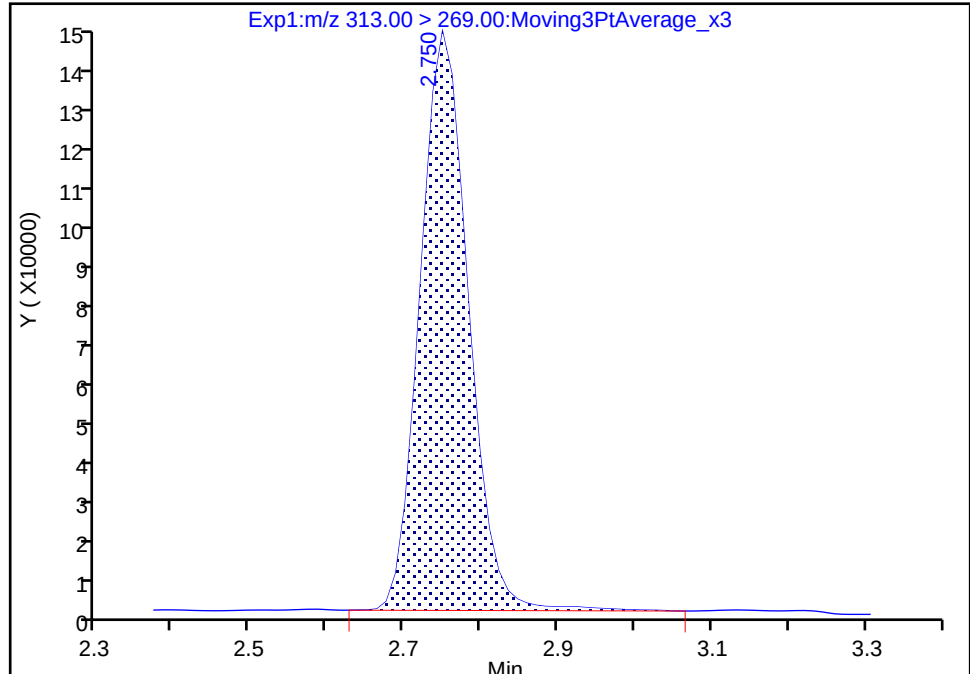
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

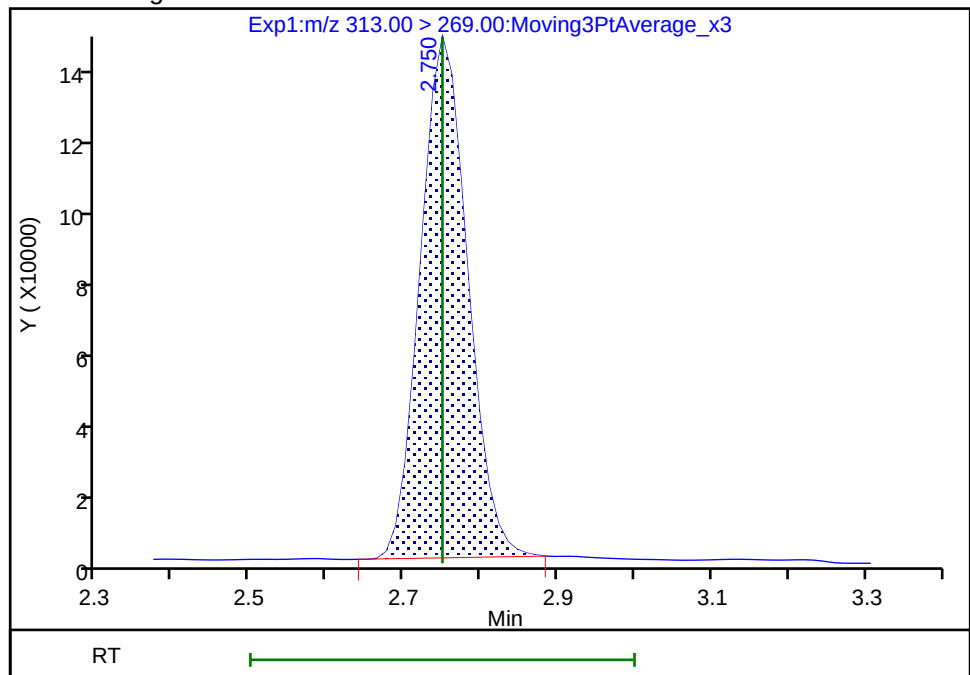
RT: 2.75
Area: 614701
Amount: 0.504369
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

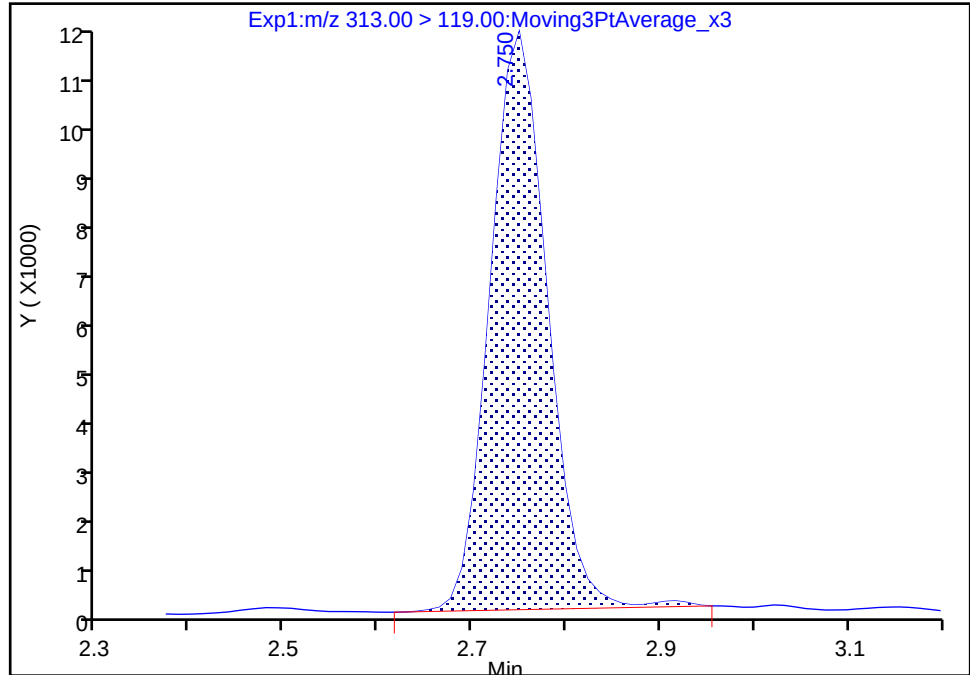
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

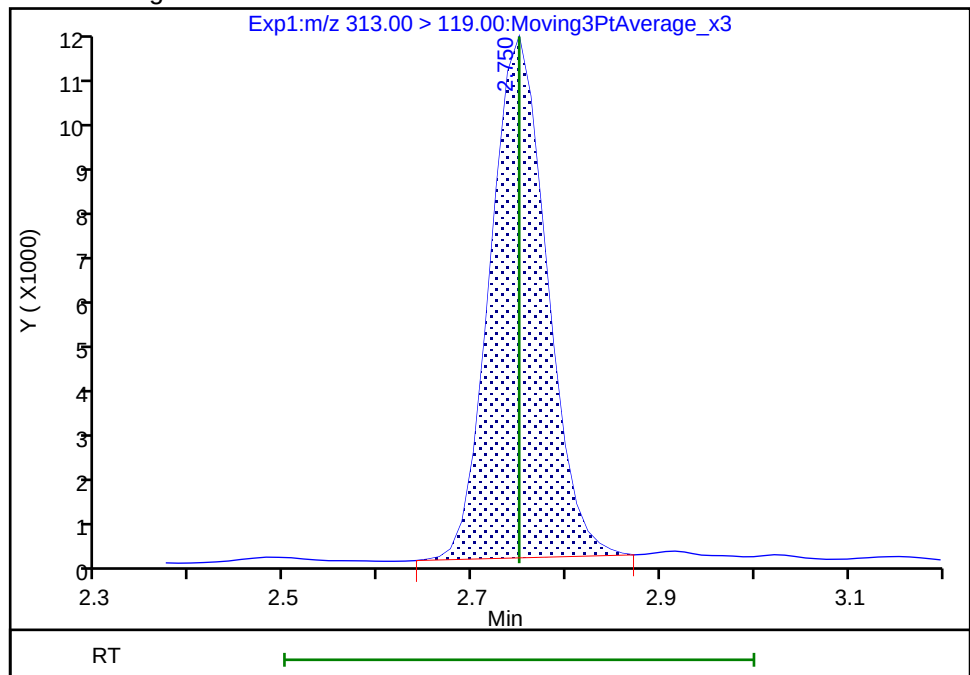
RT: 2.75
Area: 48784
Amount: 0.504369
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

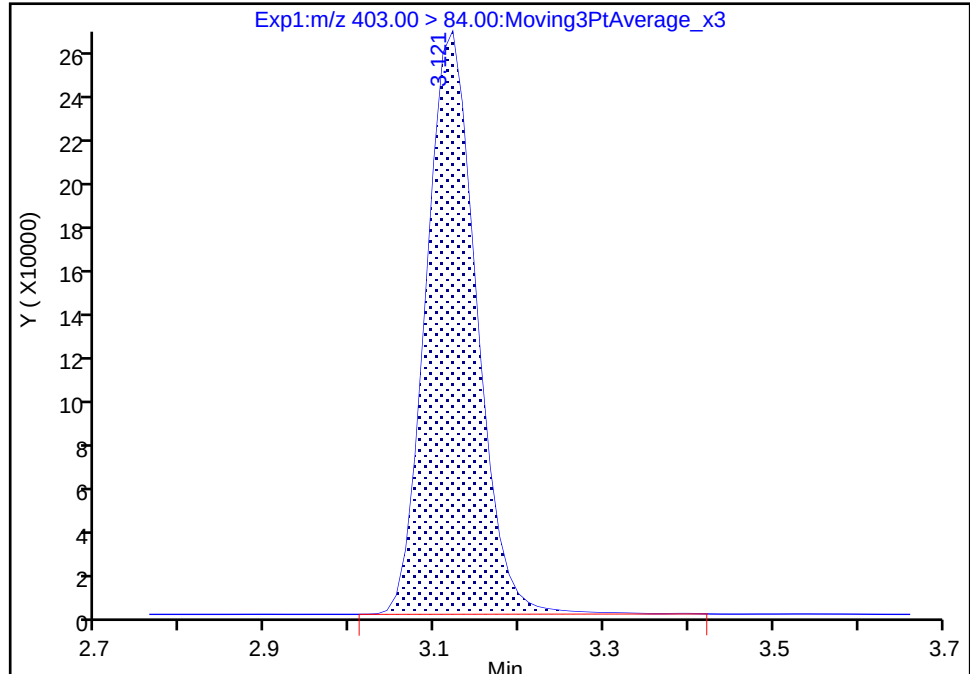
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 11 18O2 PFHxS, CAS: STL00994

Signal: 1

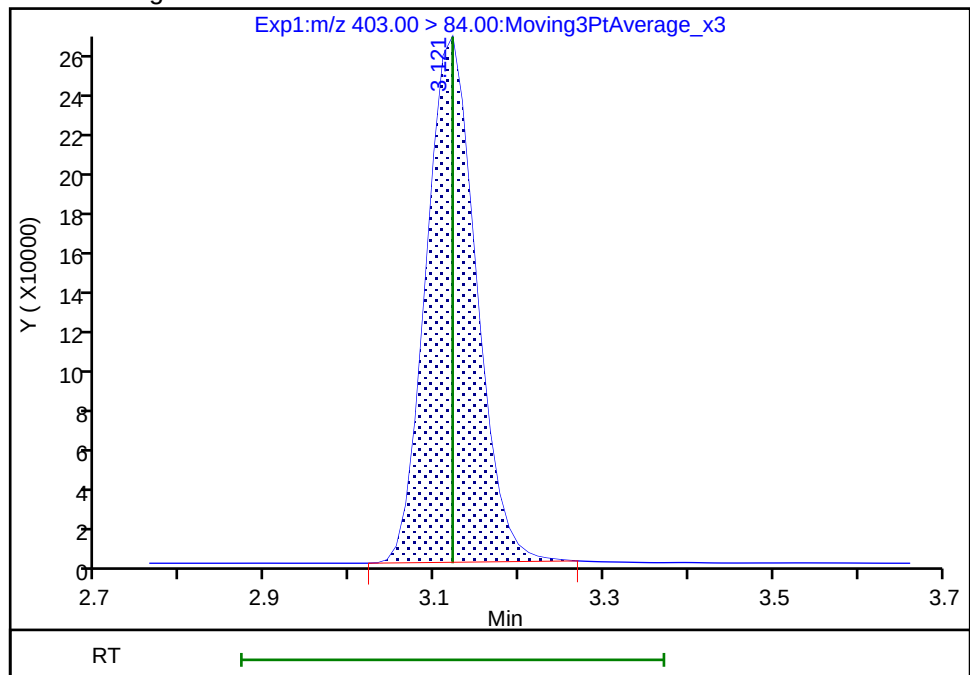
RT: 3.12
Area: 1081890
Amount: 1.032276
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

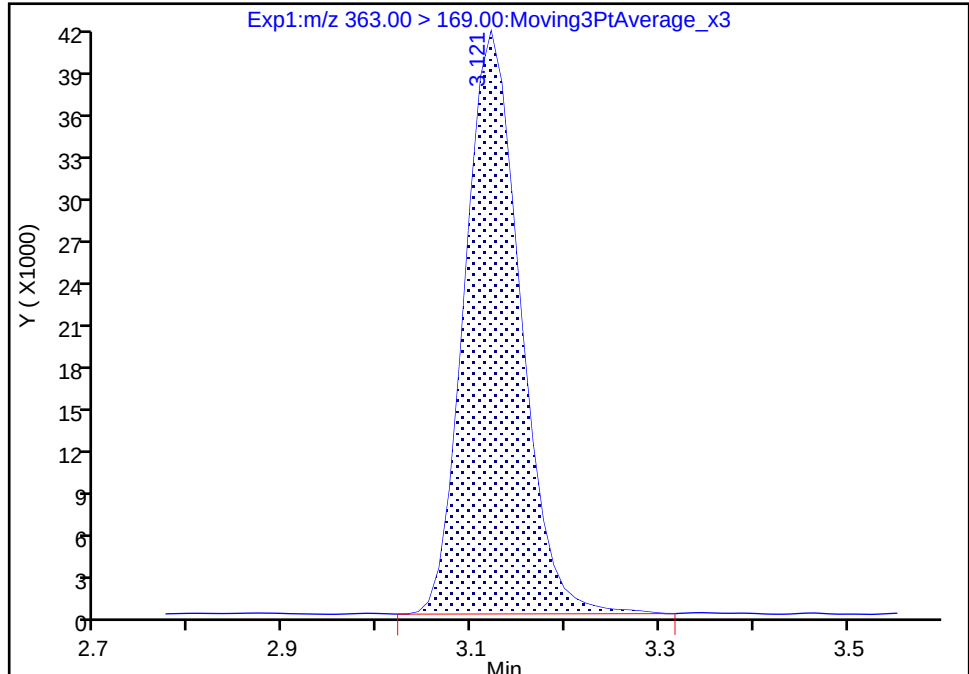
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

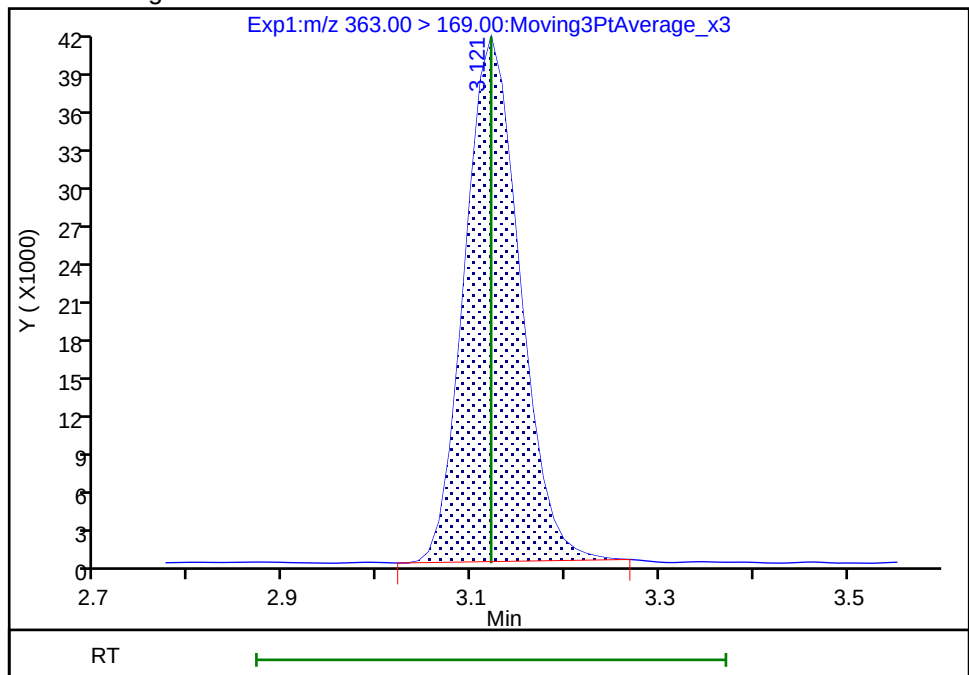
RT: 3.12
Area: 170845
Amount: 0.479503
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

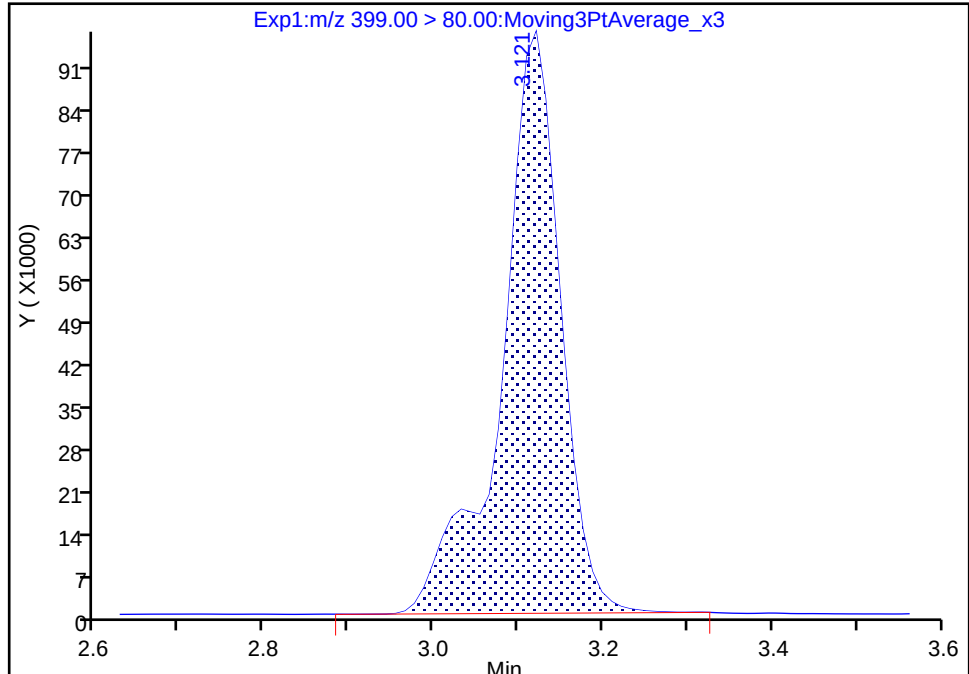
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

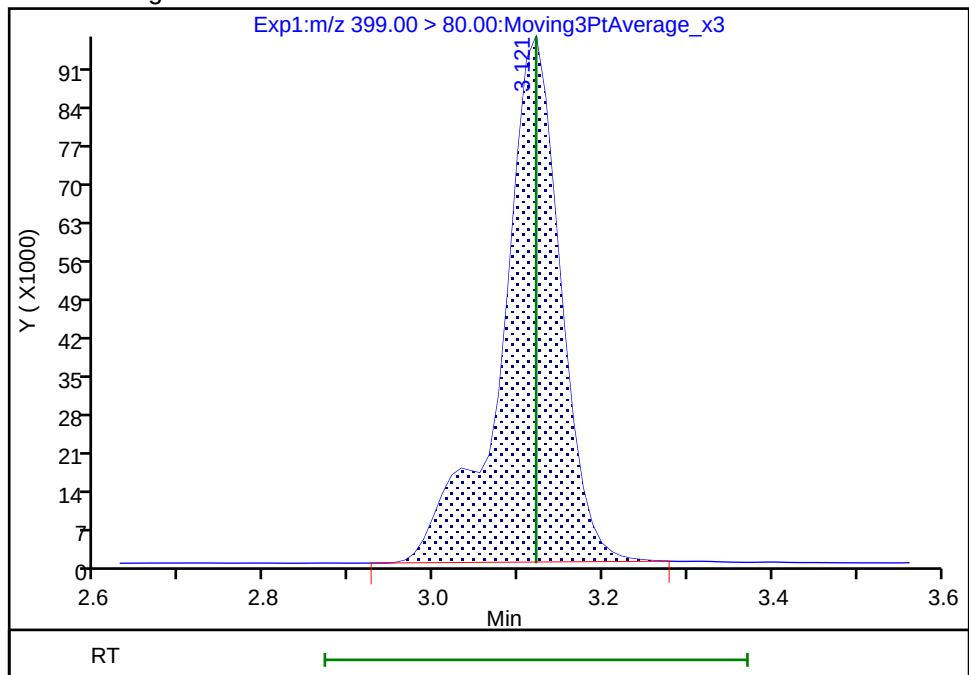
RT: 3.12
Area: 470116
Amount: 0.460972
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

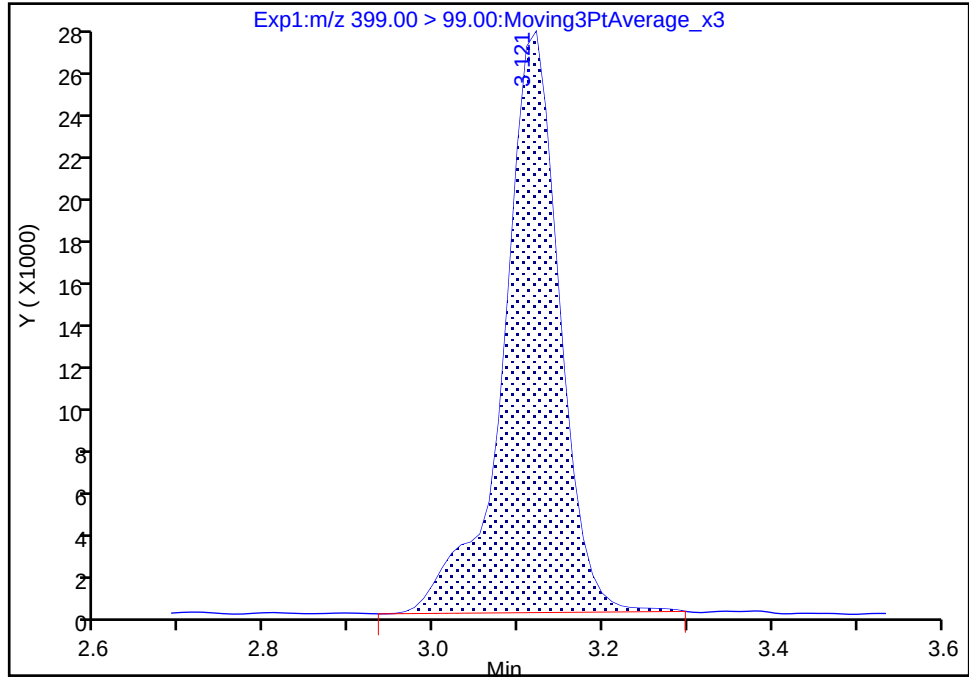
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

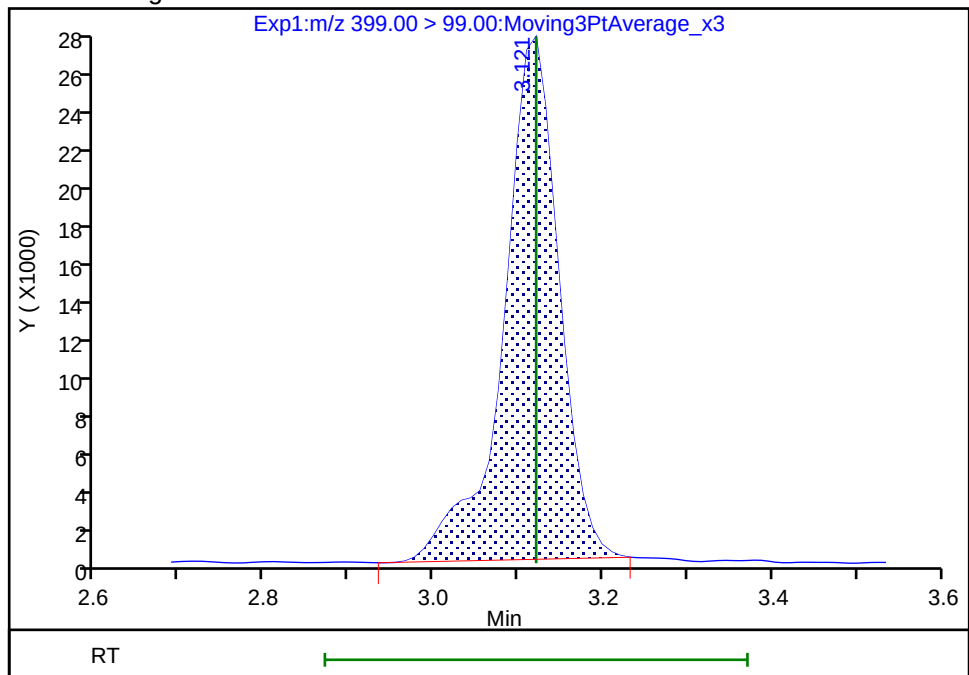
RT: 3.12
Area: 126783
Amount: 0.460972
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

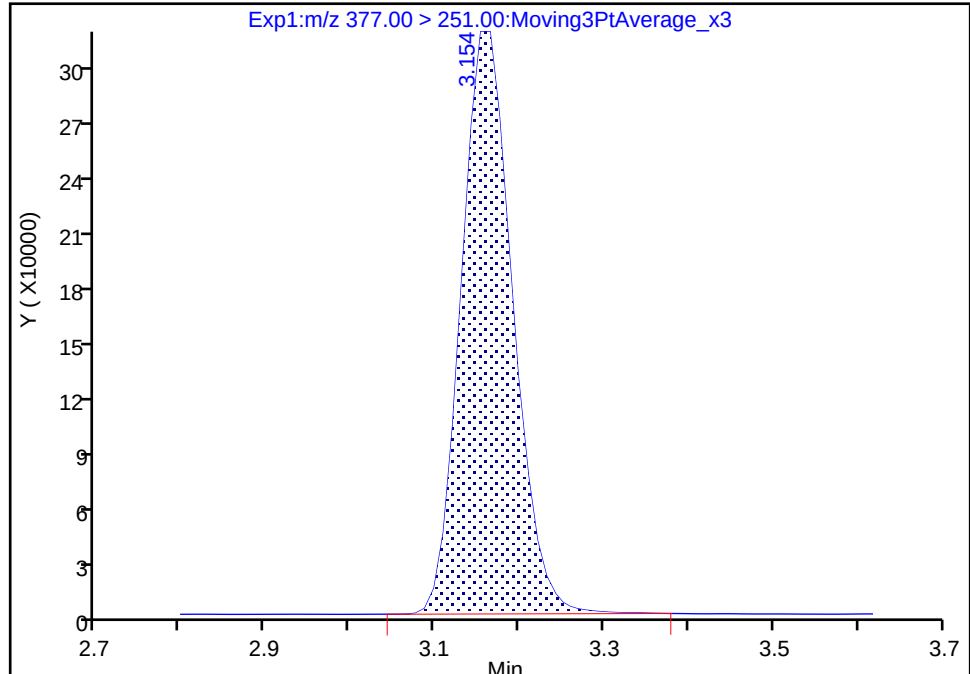
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d		
Injection Date:	03-Aug-2022 13:16:40	Instrument ID:	LC812
Lims ID:	IC		
Client ID:			
Operator ID:	lc812tech	ALS Bottle#:	4
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column: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

77 DONA, CAS: 919005-14-4

Signal: 1

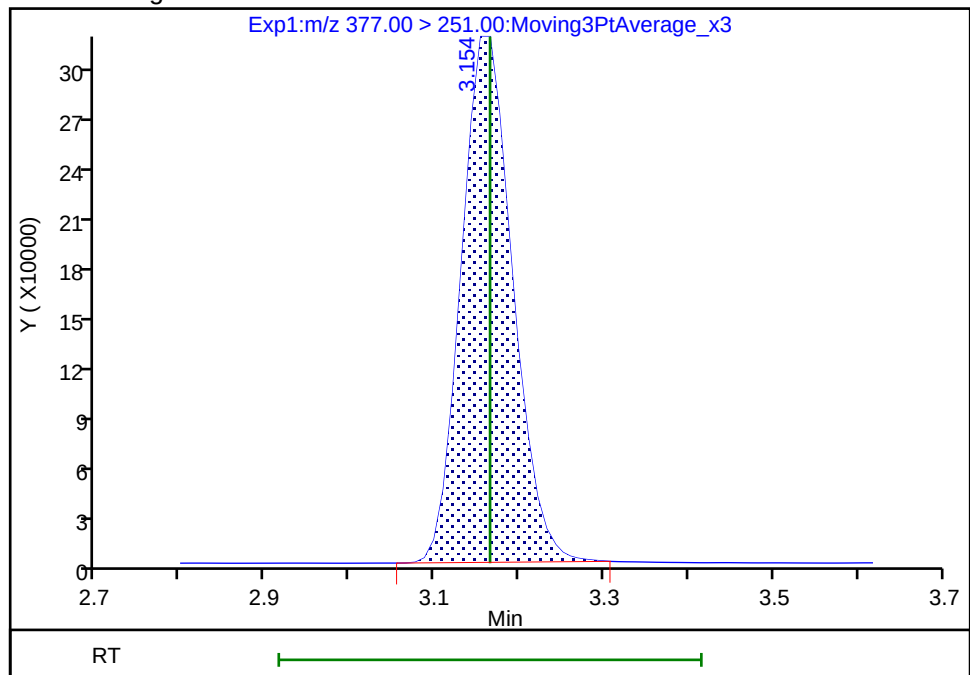
RT: 3.15
Area: 1348943
Amount: 0.639823
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

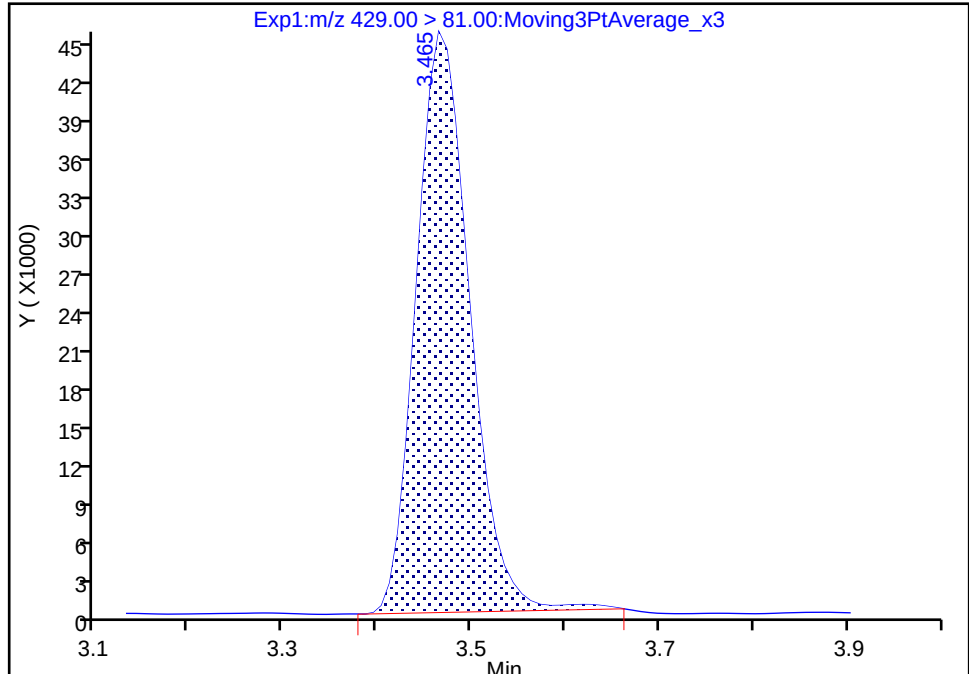
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

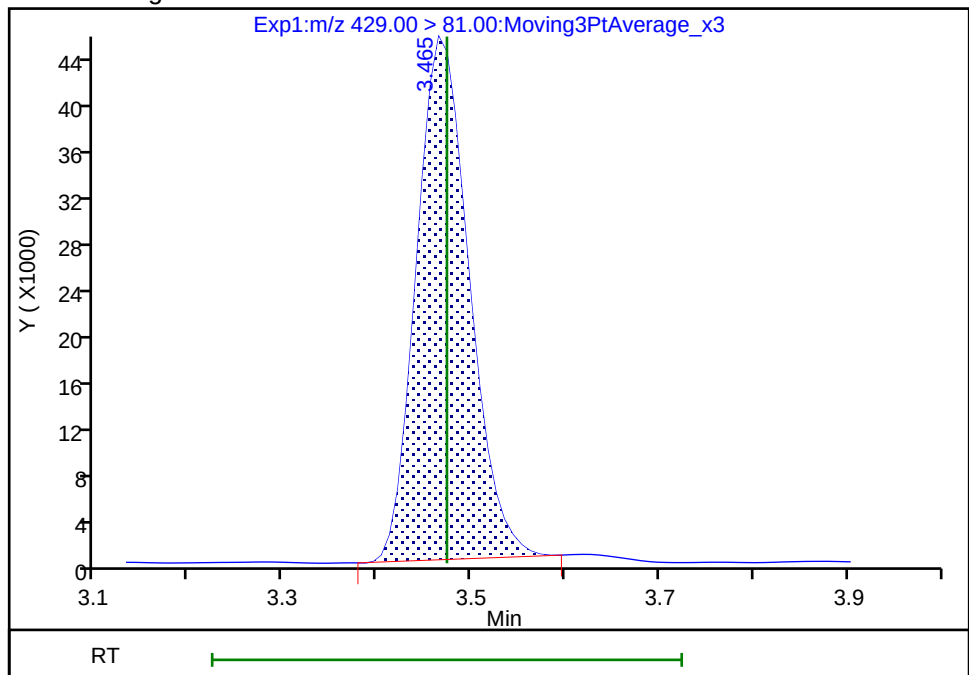
RT: 3.46
Area: 178299
Amount: 1.041540
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

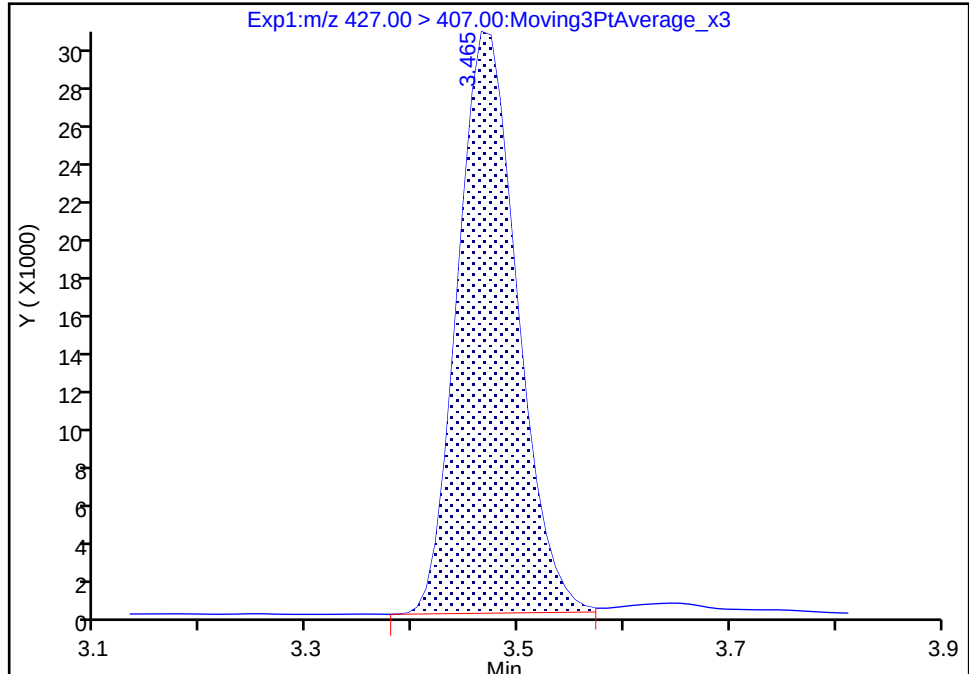
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

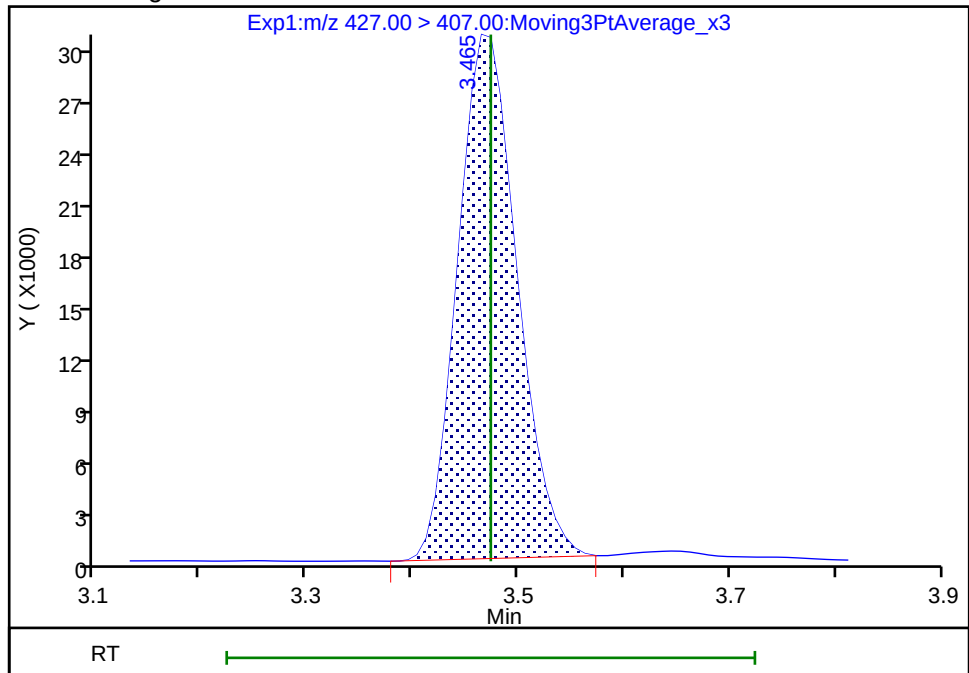
RT: 3.46
Area: 118044
Amount: 0.509396
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

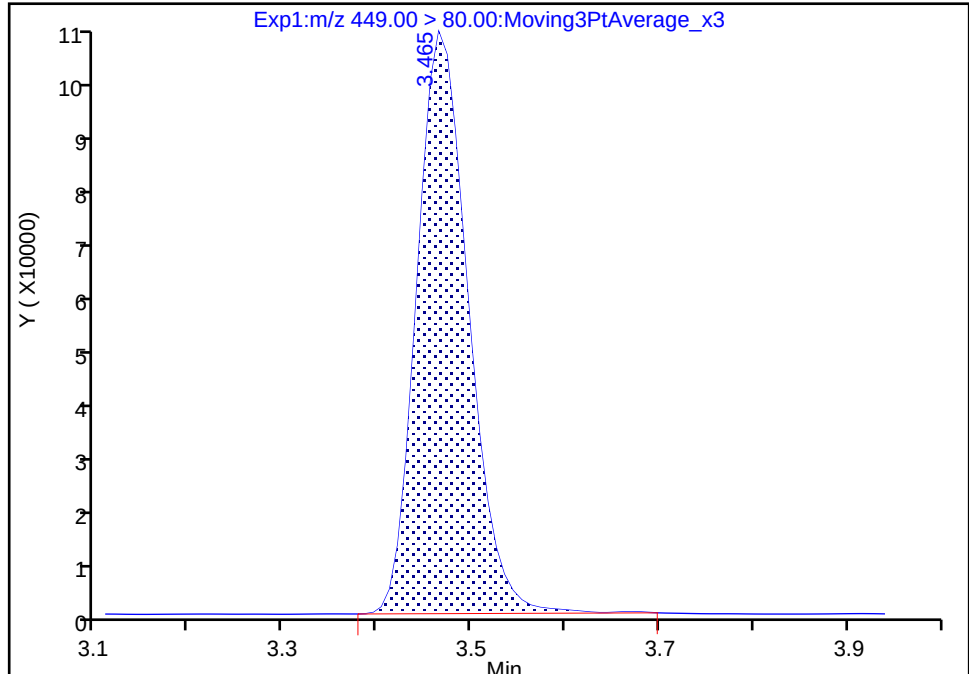
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

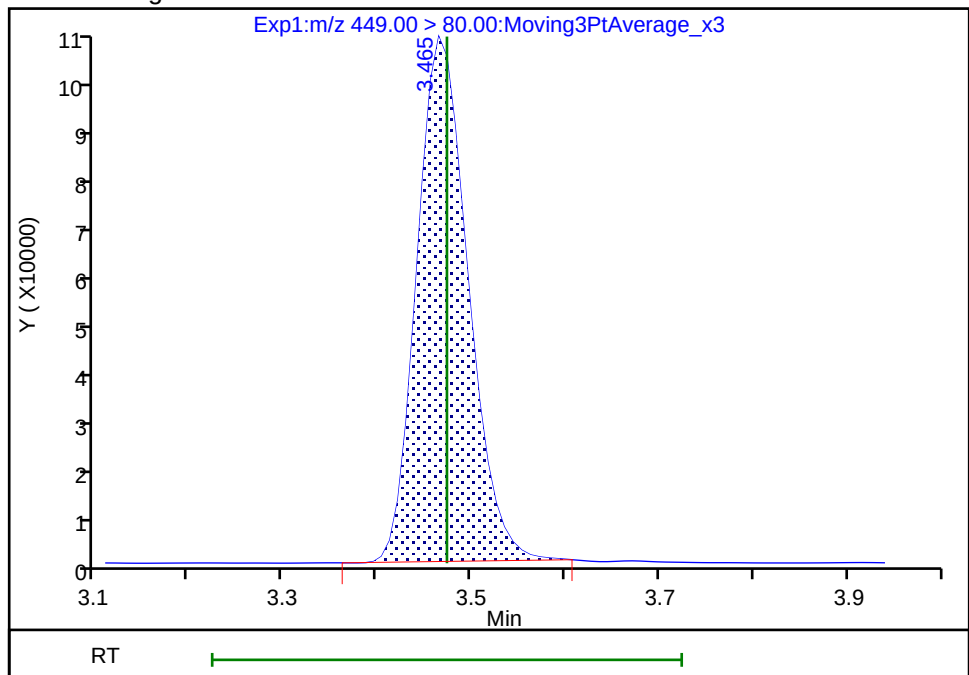
RT: 3.46
Area: 405072
Amount: 0.489238
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

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

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

Instrument ID: LC812

Lims ID: IC

Client ID:

Operator ID: lc812tech

ALS Bottle#:

4

Worklist Smp#: 7

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

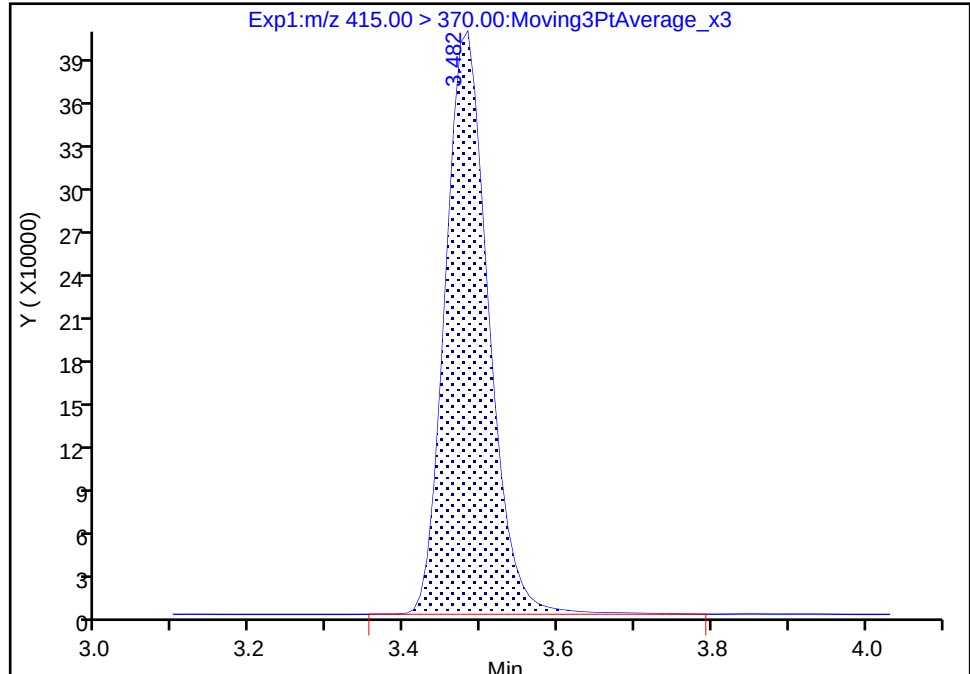
Detector: EXP1

* 62 13C2 PFOA, CAS: STL00623

Signal: 1

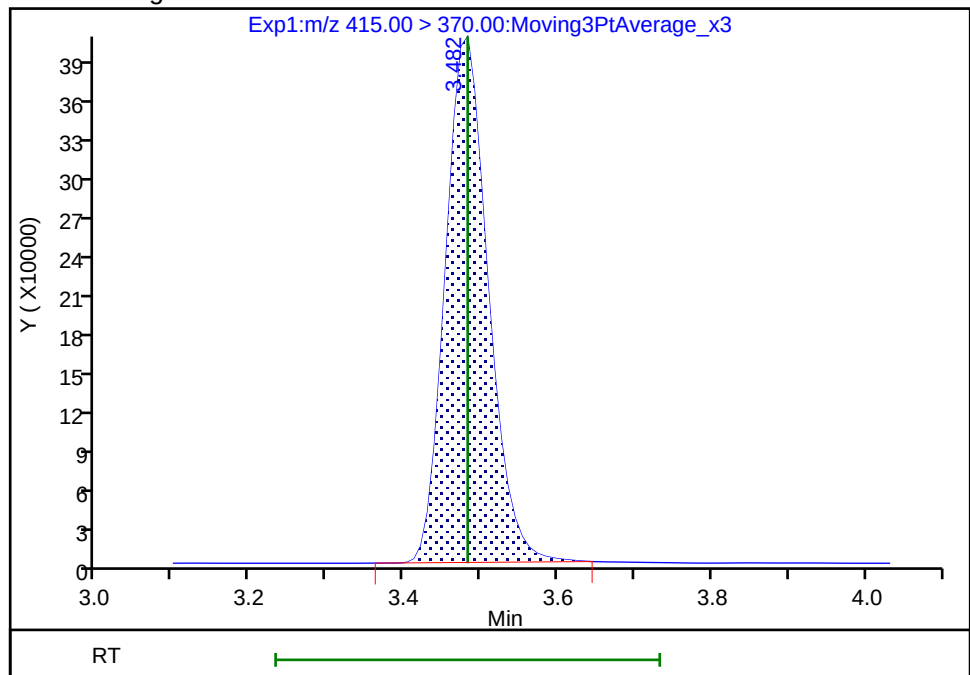
RT: 3.48
Area: 1581879
Amount: 1.250000
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:41:24

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

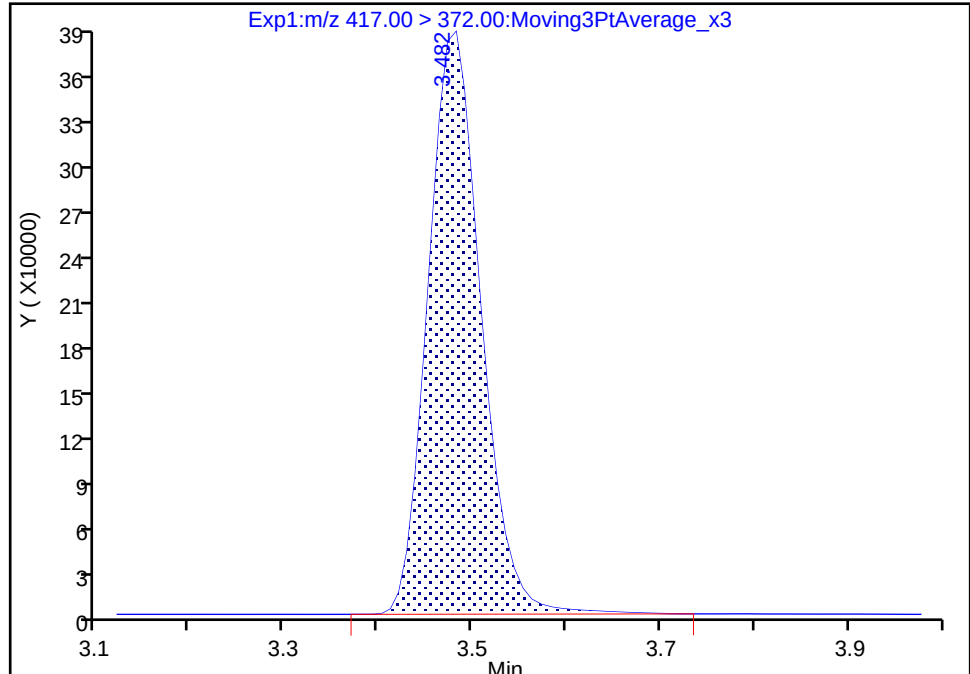
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 14 13C4 PFOA, CAS: STL00990

Signal: 1

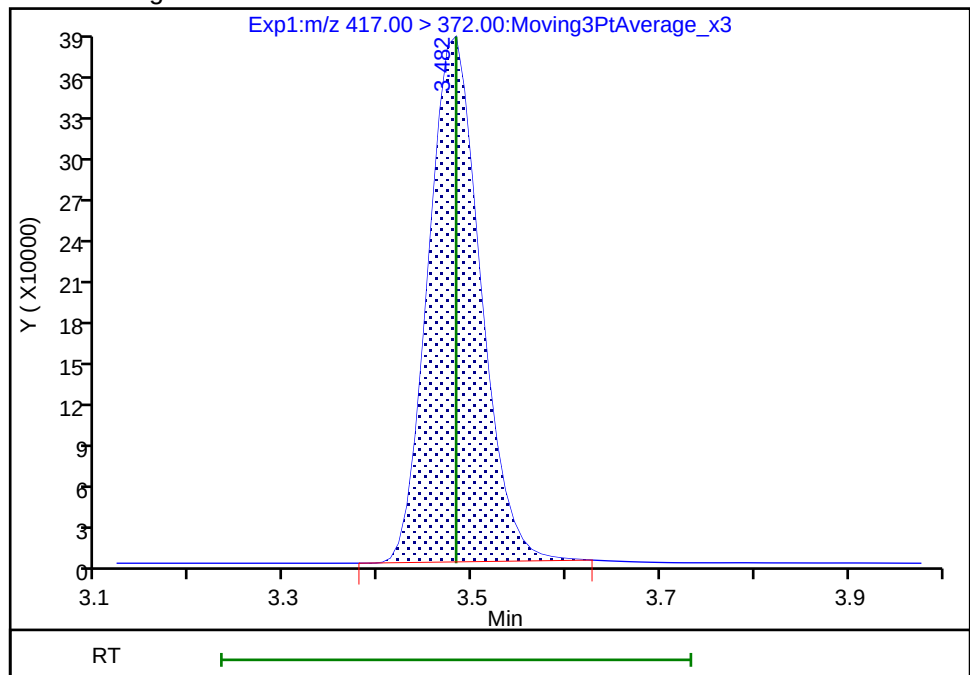
RT: 3.48
Area: 1490531
Amount: 1.252848
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:41:29

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

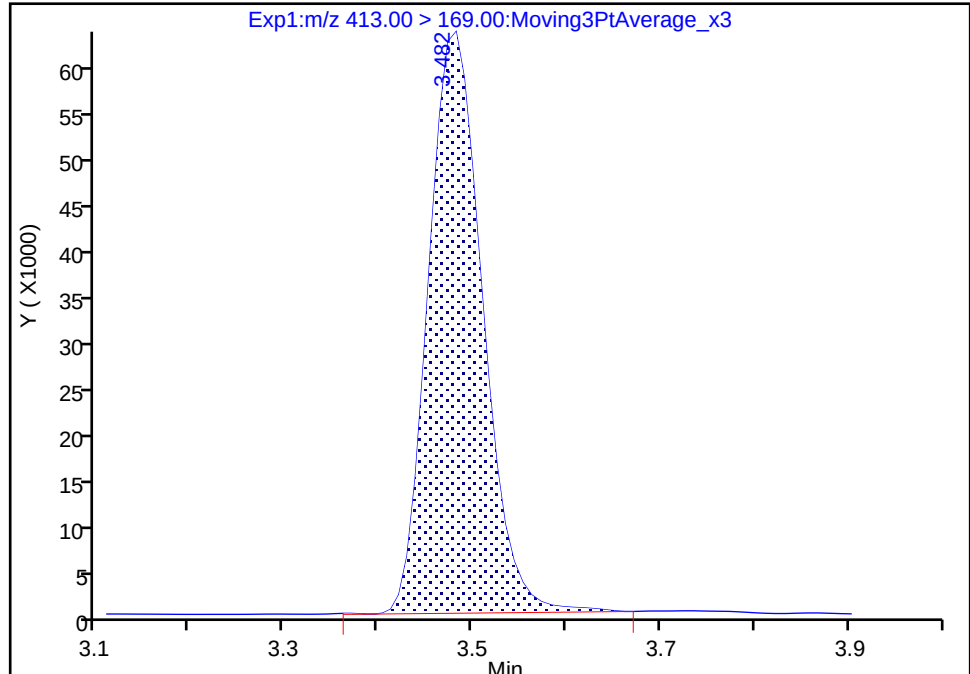
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

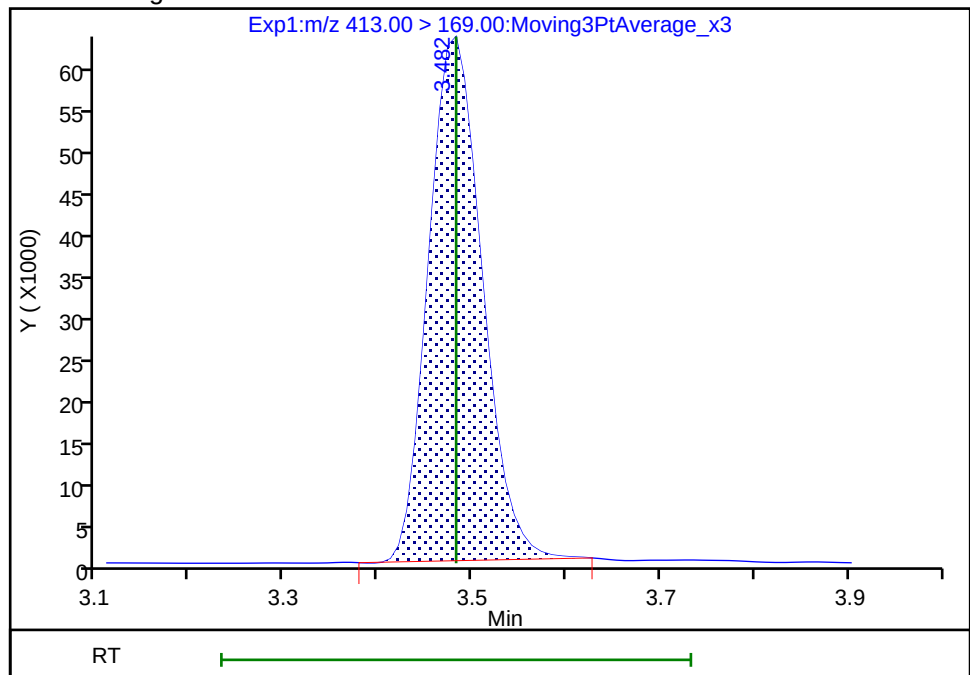
RT: 3.48
Area: 253418
Amount: 0.496279
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

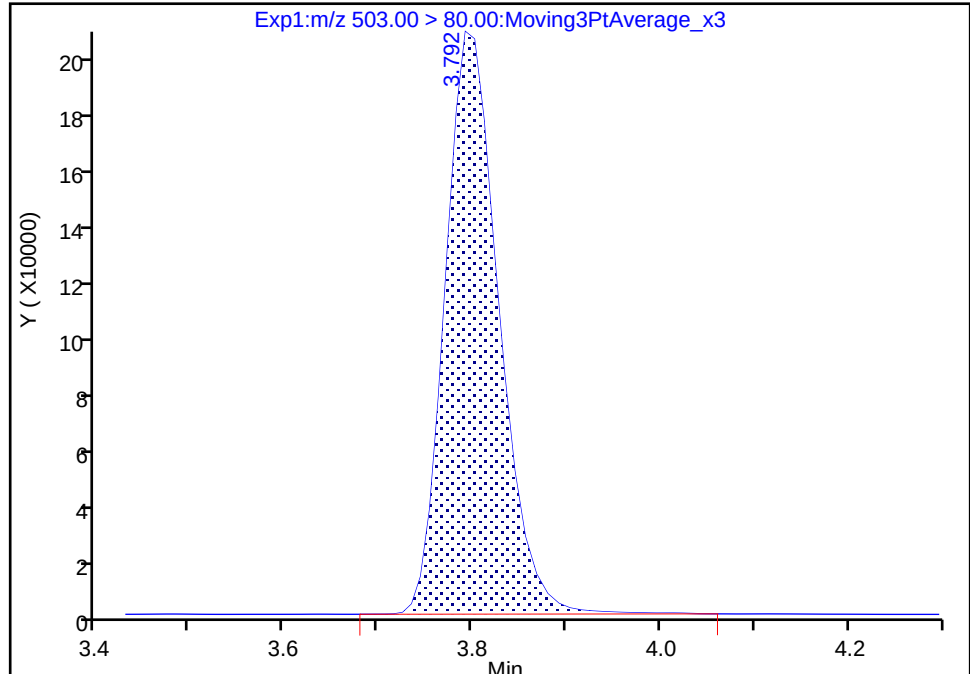
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 18 13C4 PFOS, CAS: STL00991

Signal: 1

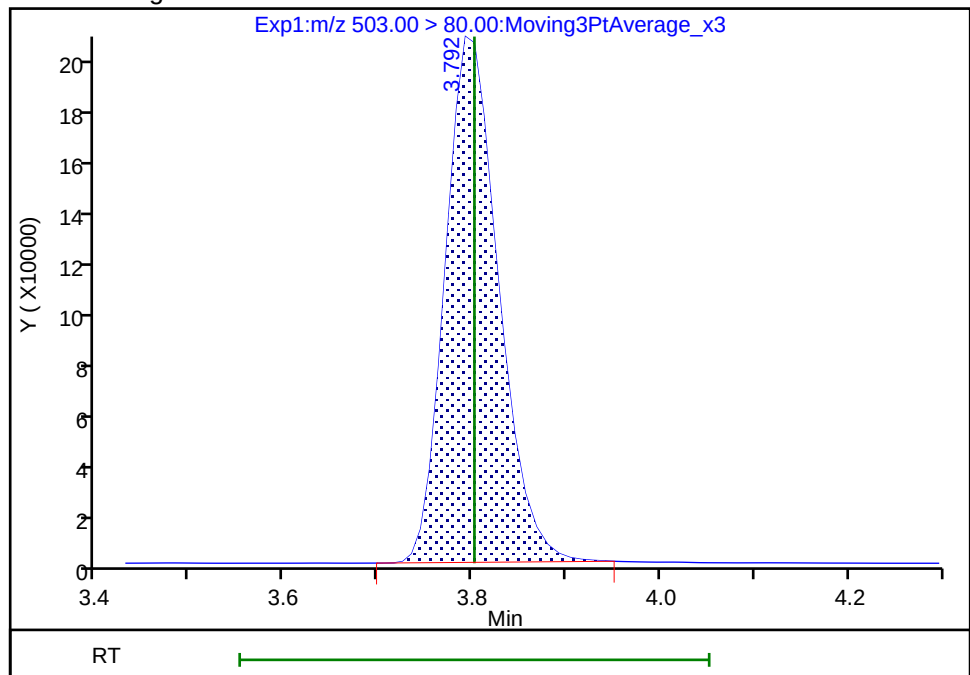
RT: 3.79
Area: 811021
Amount: 1.001596
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

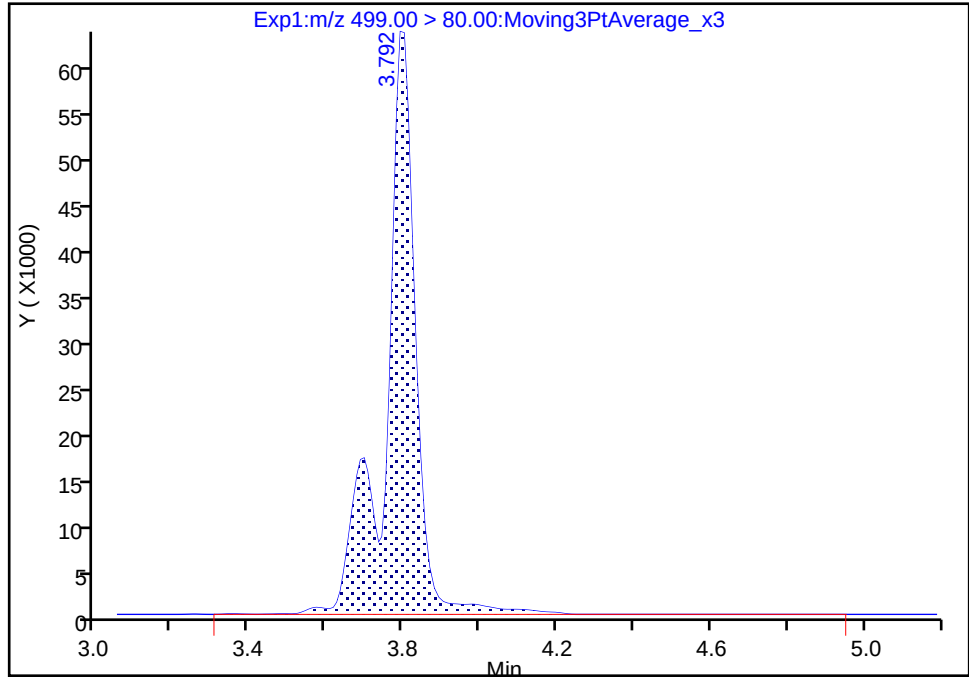
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

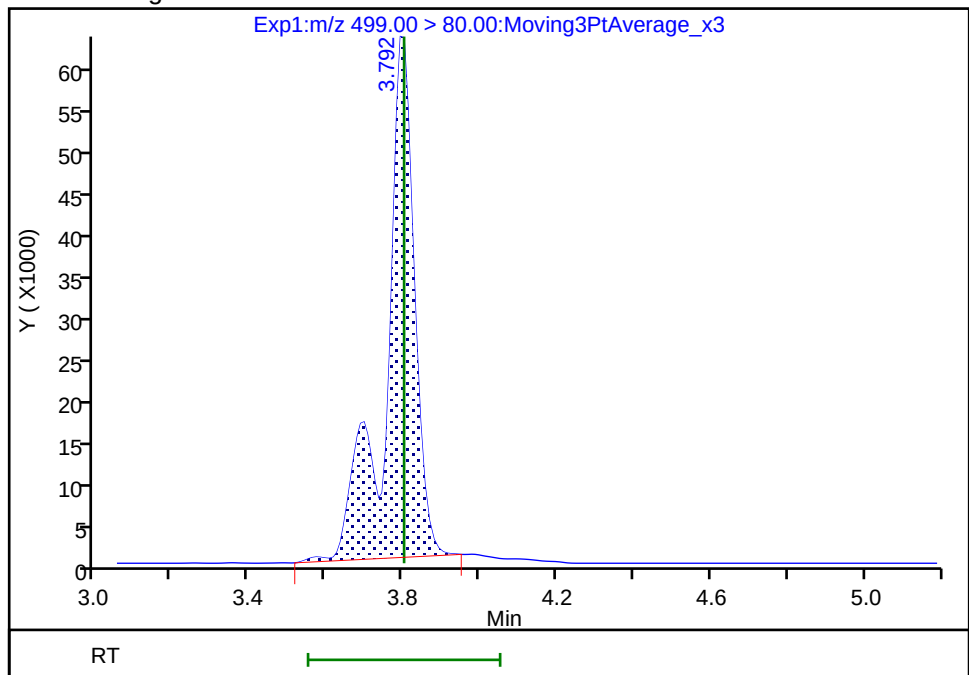
RT: 3.79
Area: 350326
Amount: 0.465488
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:41:45
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

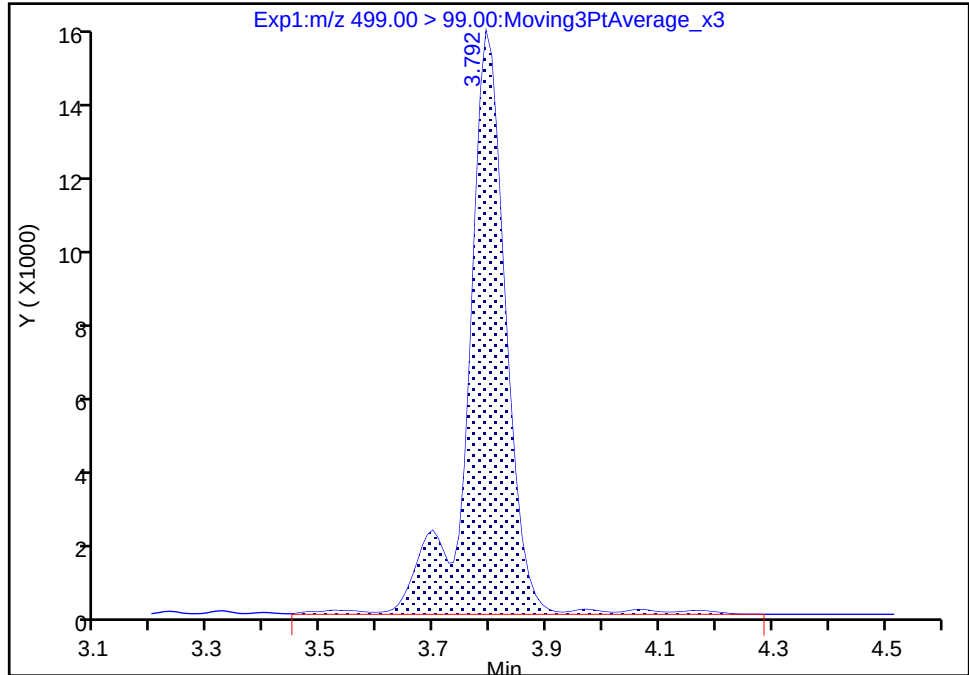
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

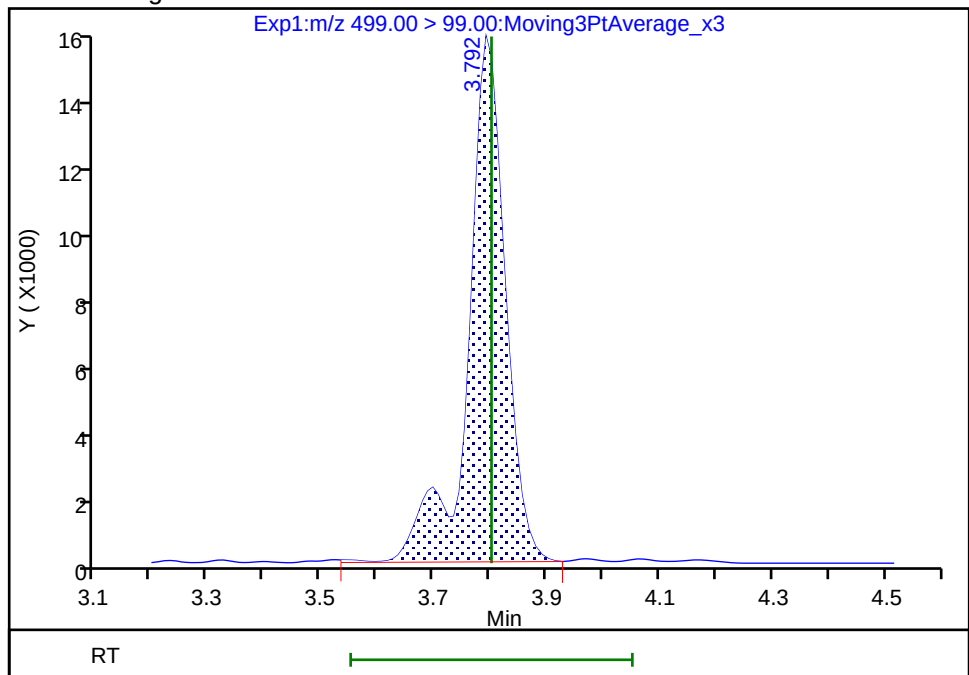
RT: 3.79
Area: 73855
Amount: 0.465488
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

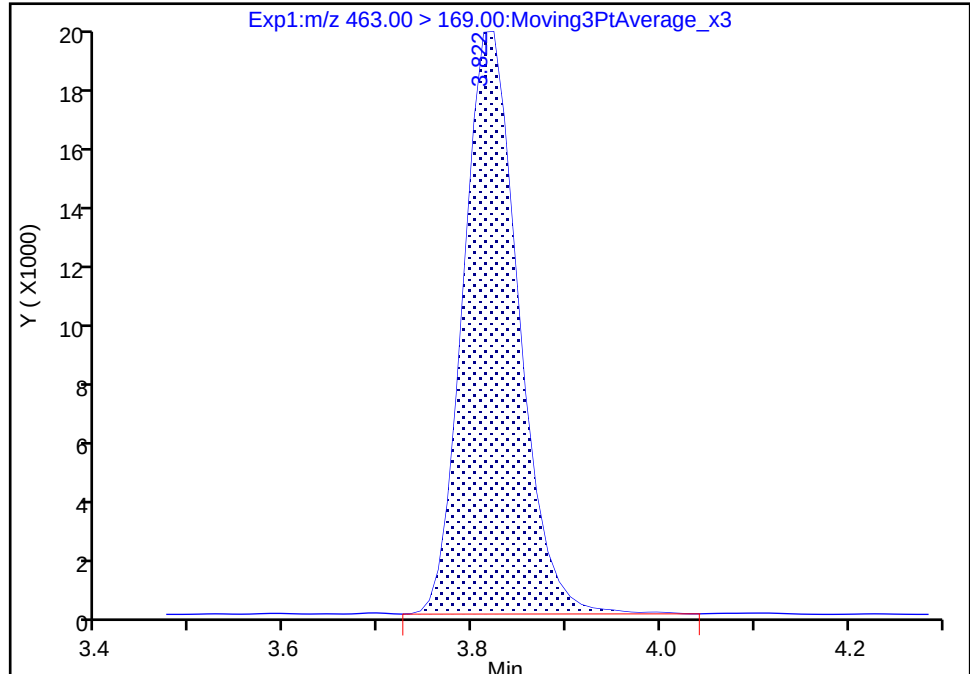
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

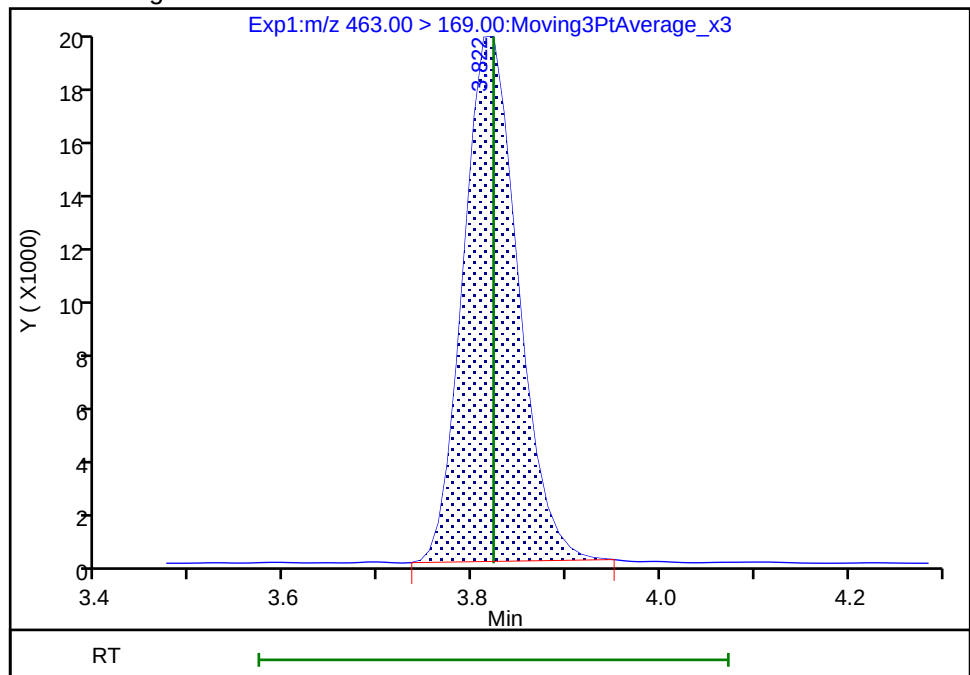
RT: 3.82
Area: 78457
Amount: 0.516156
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

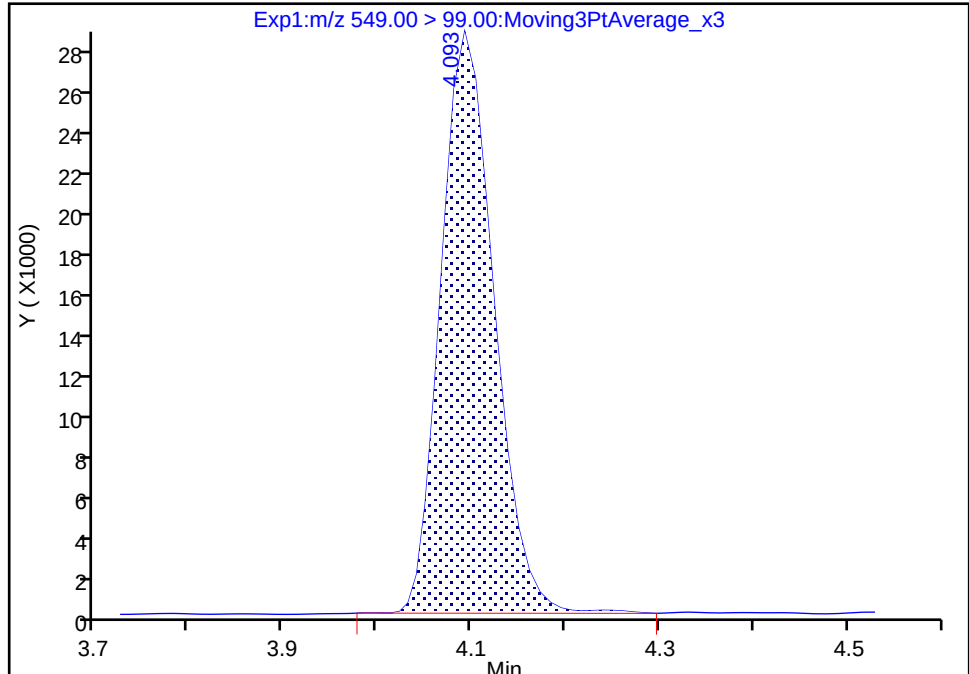
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 2

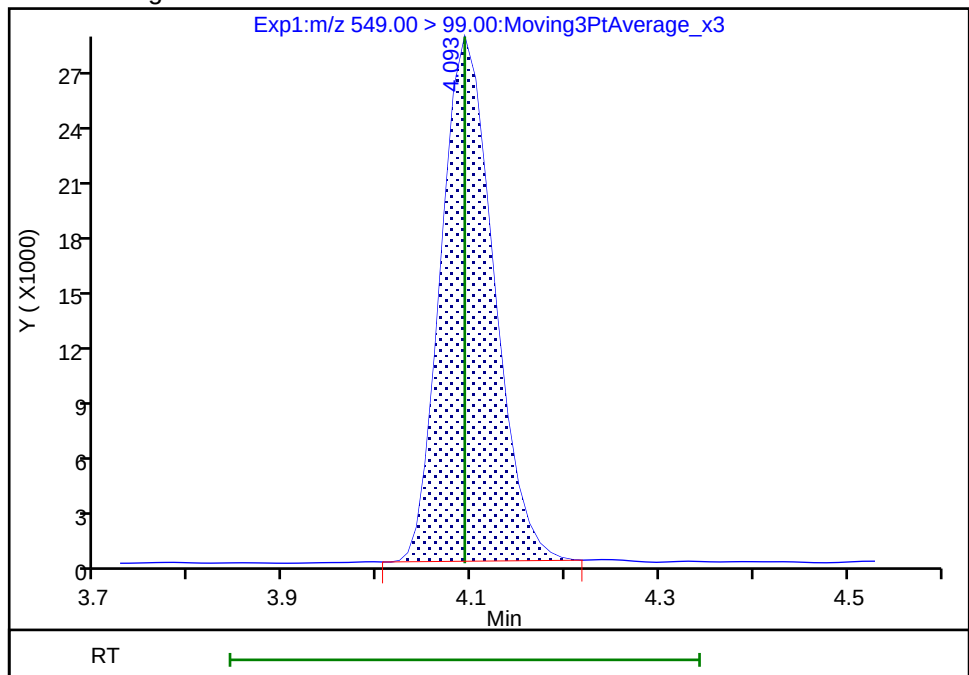
RT: 4.09
Area: 112907
Amount: 0.486229
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

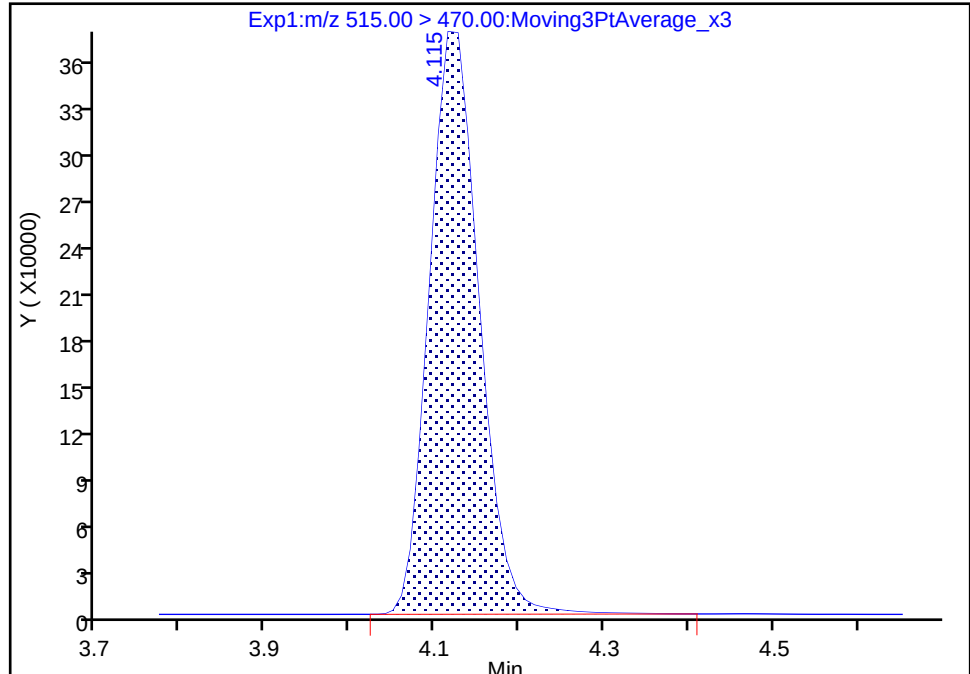
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 23 13C2 PFDA, CAS: STL00996

Signal: 1

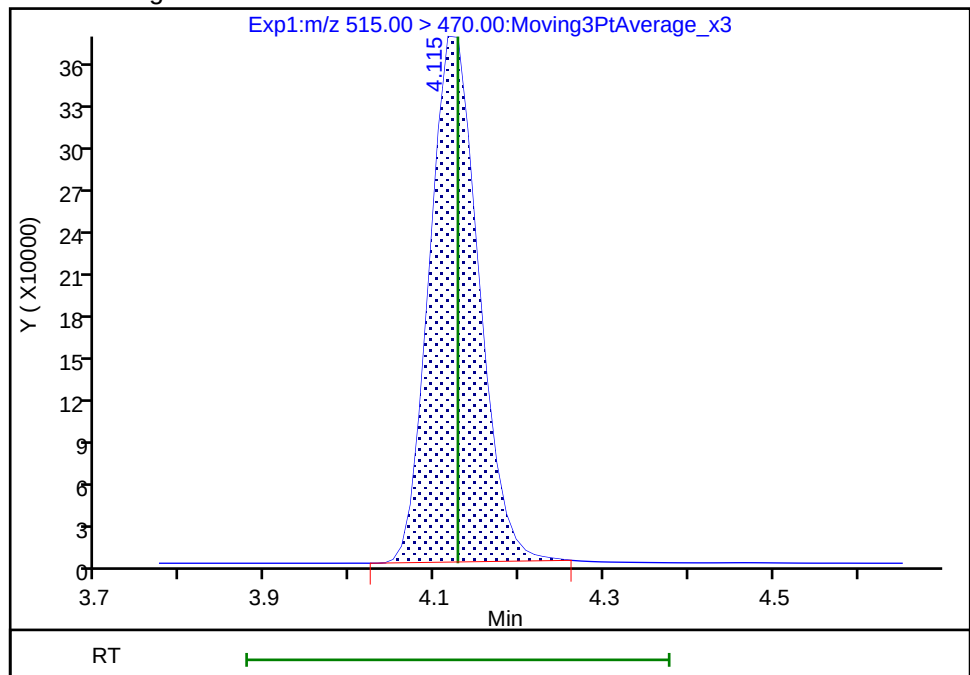
RT: 4.12
Area: 1514735
Amount: 1.228241
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

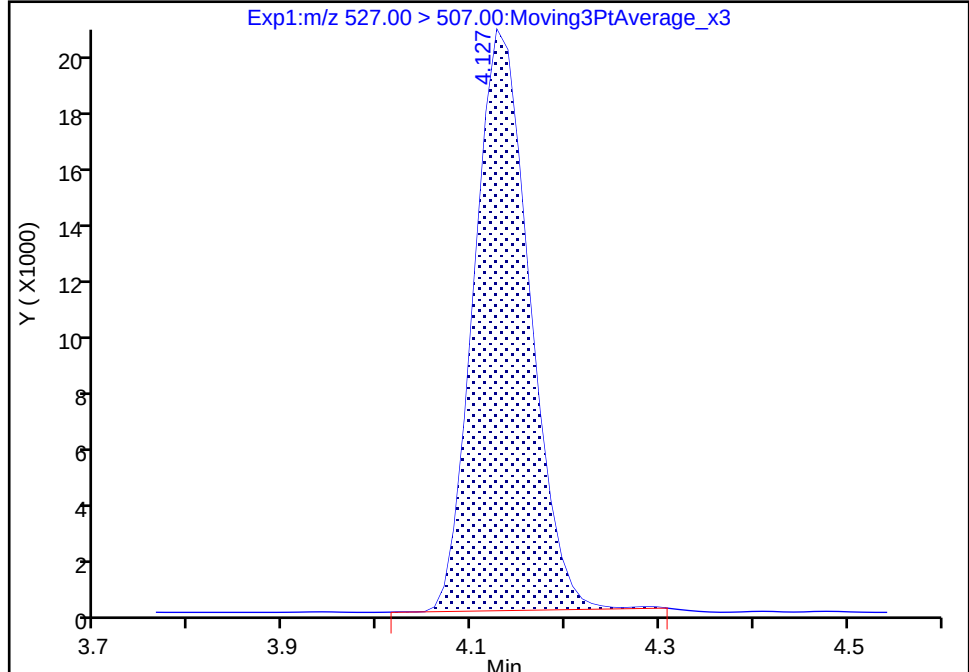
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

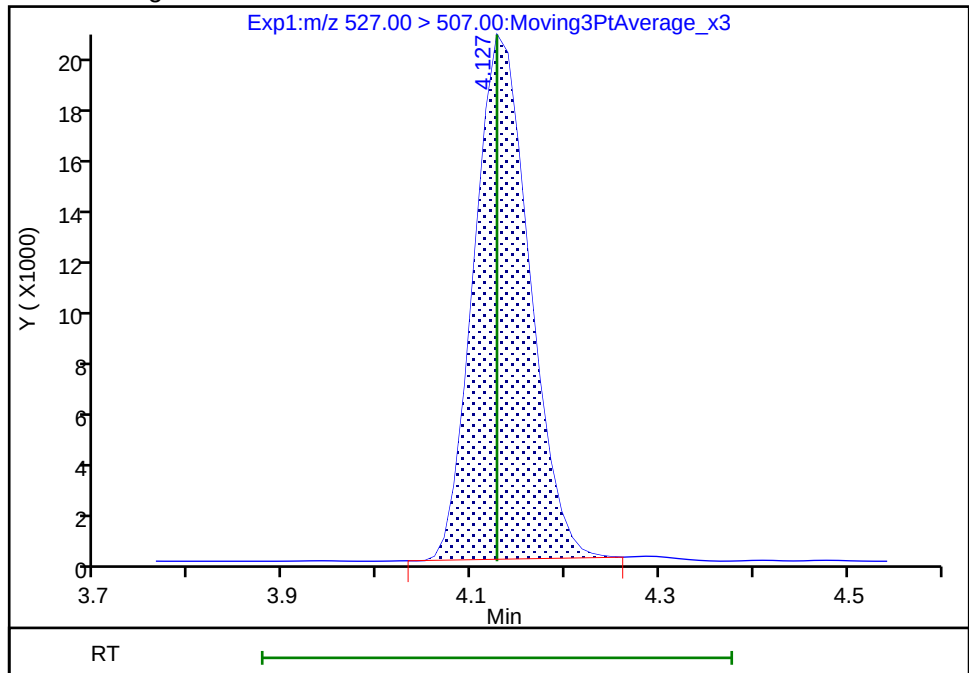
RT: 4.13
Area: 83837
Amount: 0.465076
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

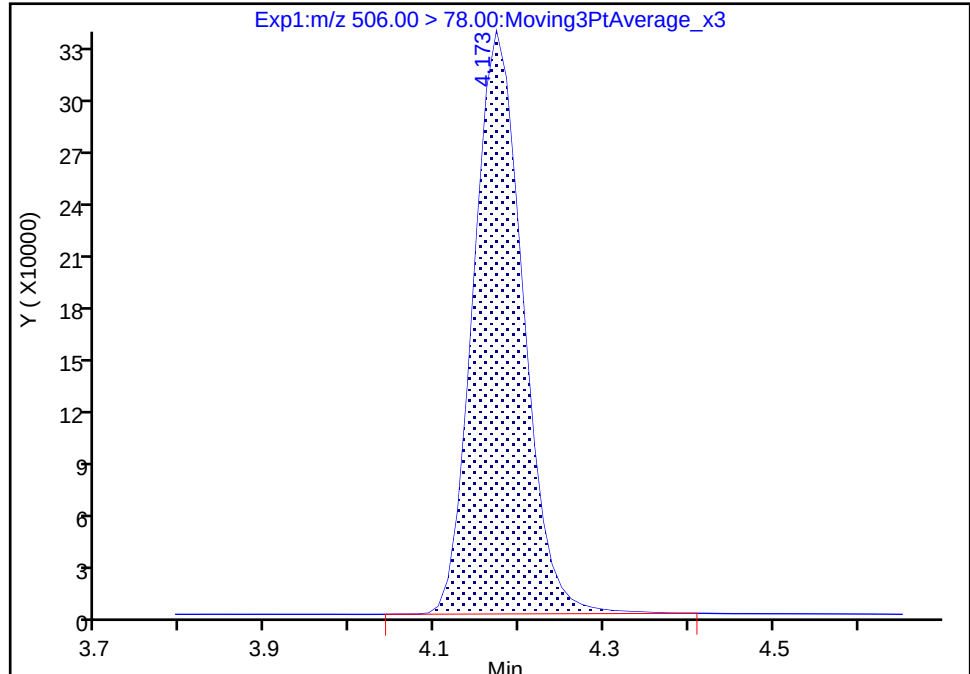
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d		
Injection Date:	03-Aug-2022 13:16:40	Instrument ID:	LC812
Lims ID:	IC		
Client ID:			
Operator ID:	lc812tech	ALS Bottle#:	4
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column: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

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

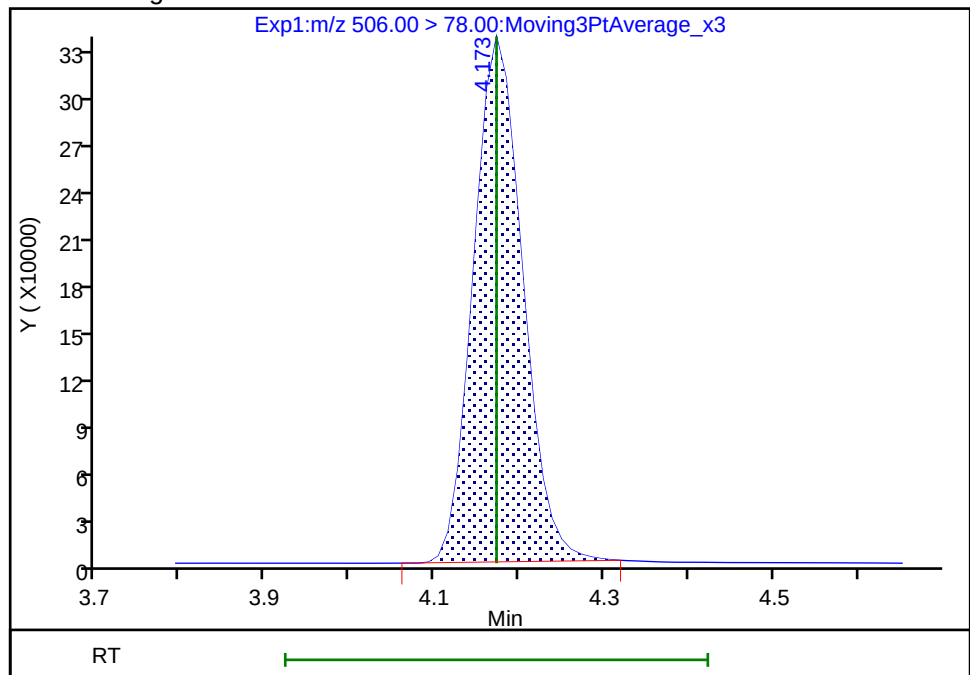
RT: 4.17
Area: 1354666
Amount: 1.094527
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

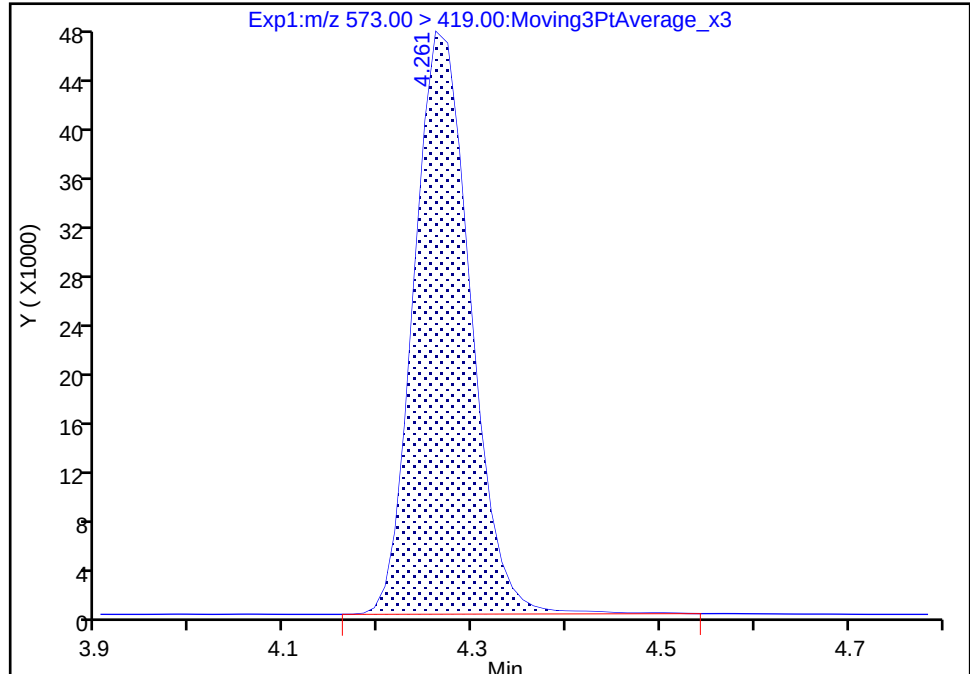
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d		
Injection Date:	03-Aug-2022 13:16:40	Instrument ID:	LC812
Lims ID:	IC		
Client ID:			
Operator ID:	lc812tech	ALS Bottle#:	4
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column: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

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

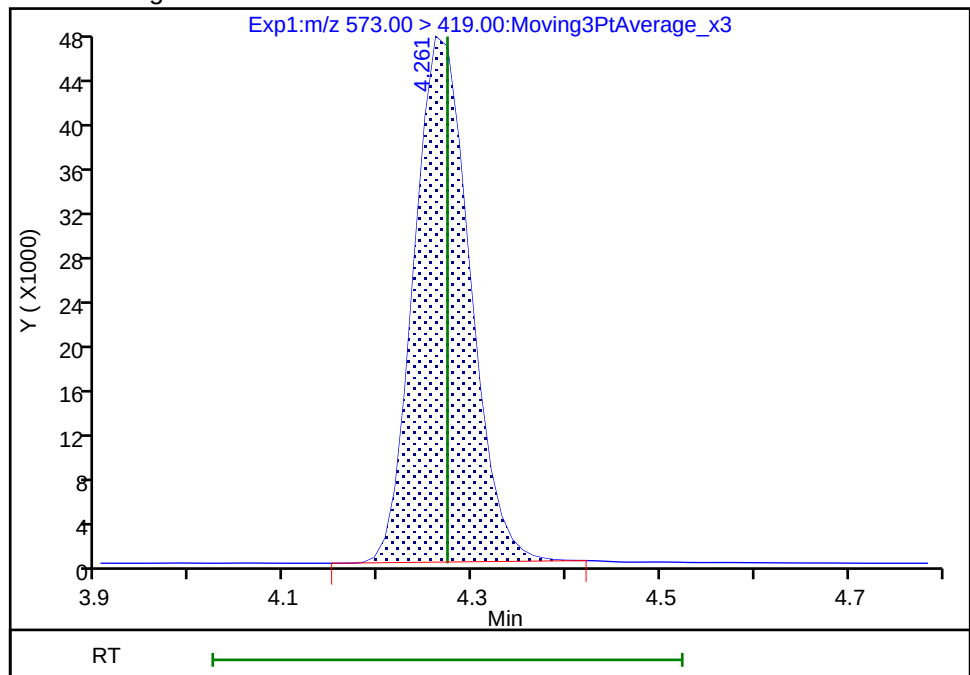
RT: 4.26
Area: 196484
Amount: 1.188759
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

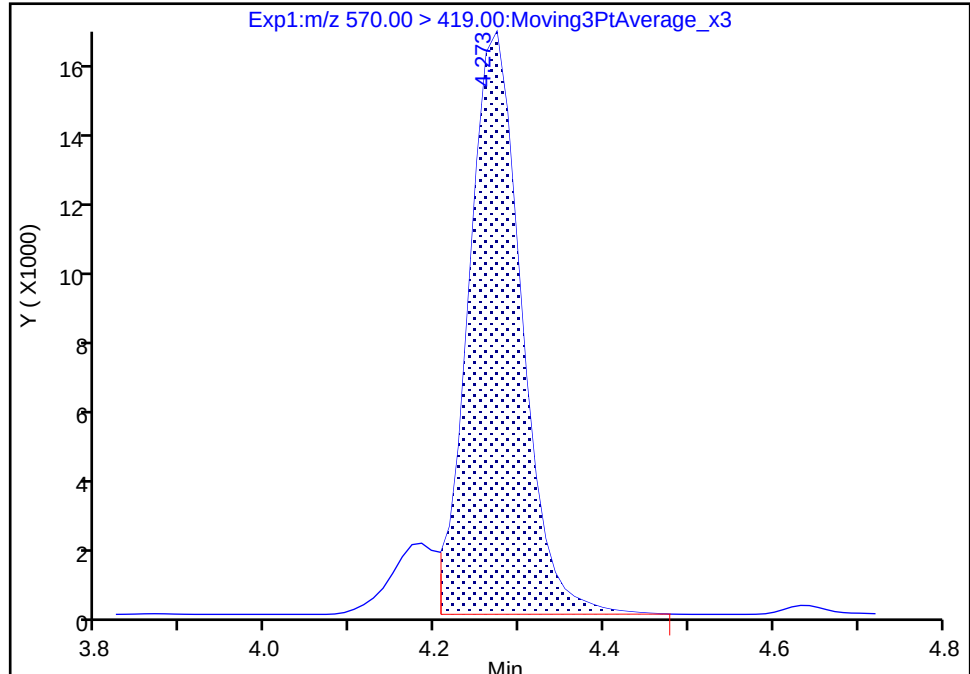
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

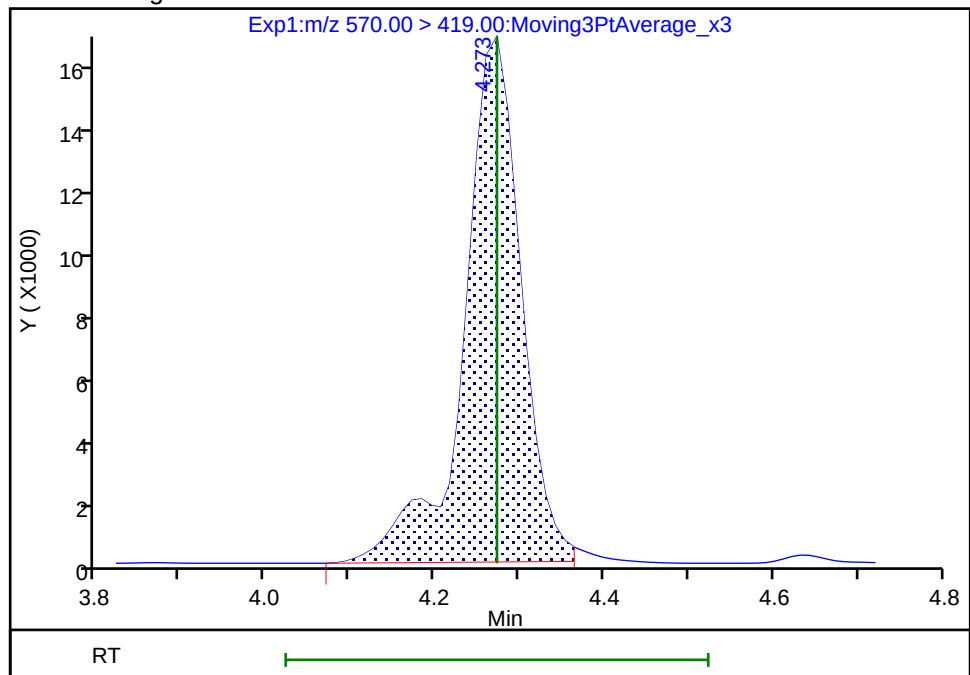
RT: 4.27
Area: 71785
Amount: 0.520646
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

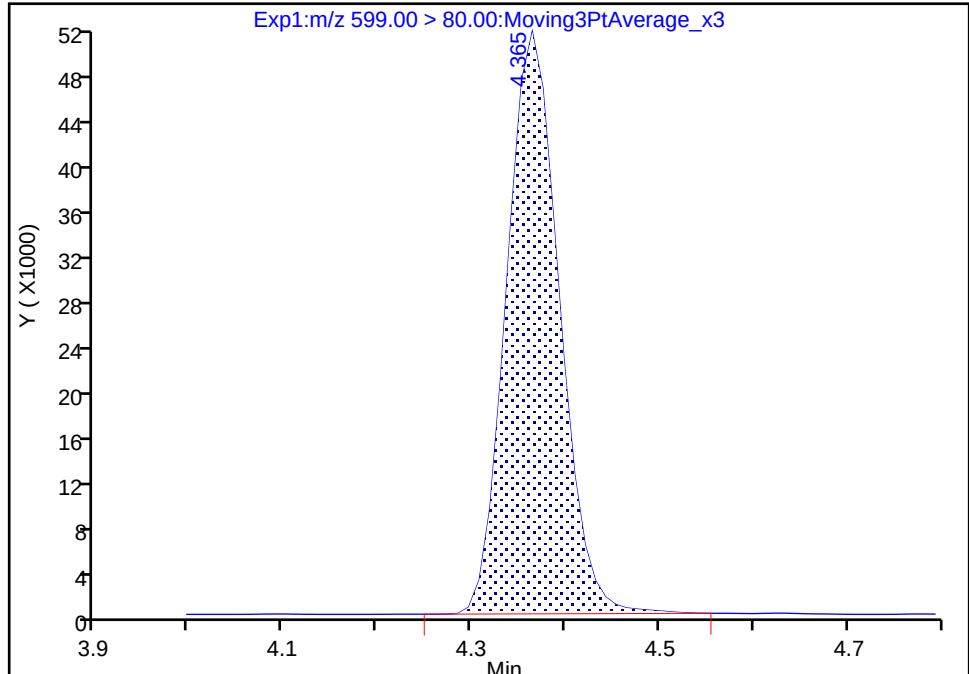
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d		
Injection Date:	03-Aug-2022 13:16:40	Instrument ID:	LC812
Lims ID:	IC		
Client ID:			
Operator ID:	lc812tech	ALS Bottle#:	4
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column: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

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

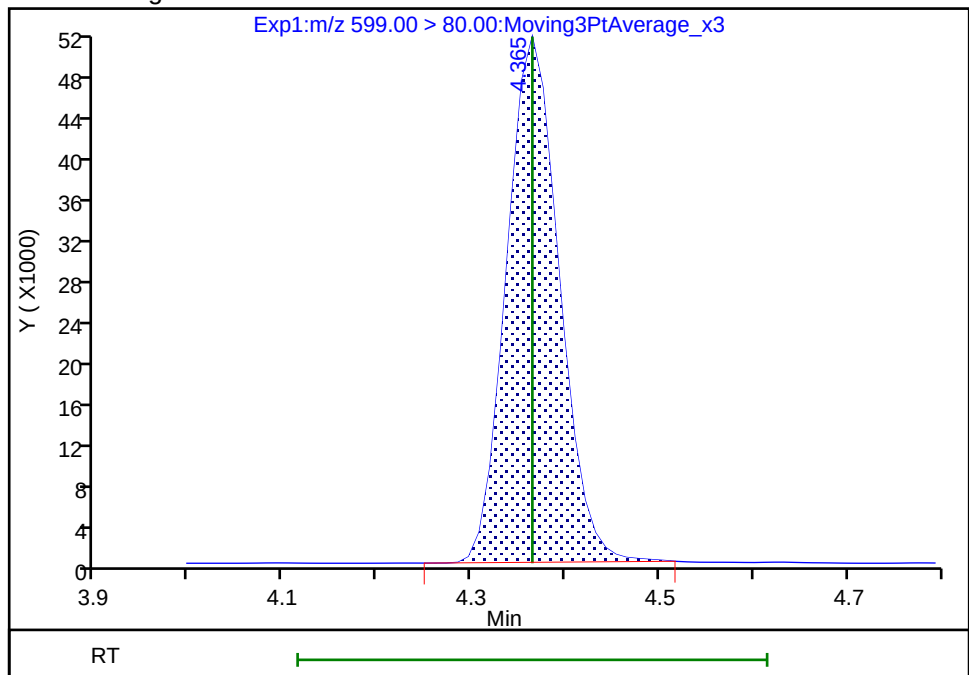
RT: 4.36
Area: 201174
Amount: 0.501353
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

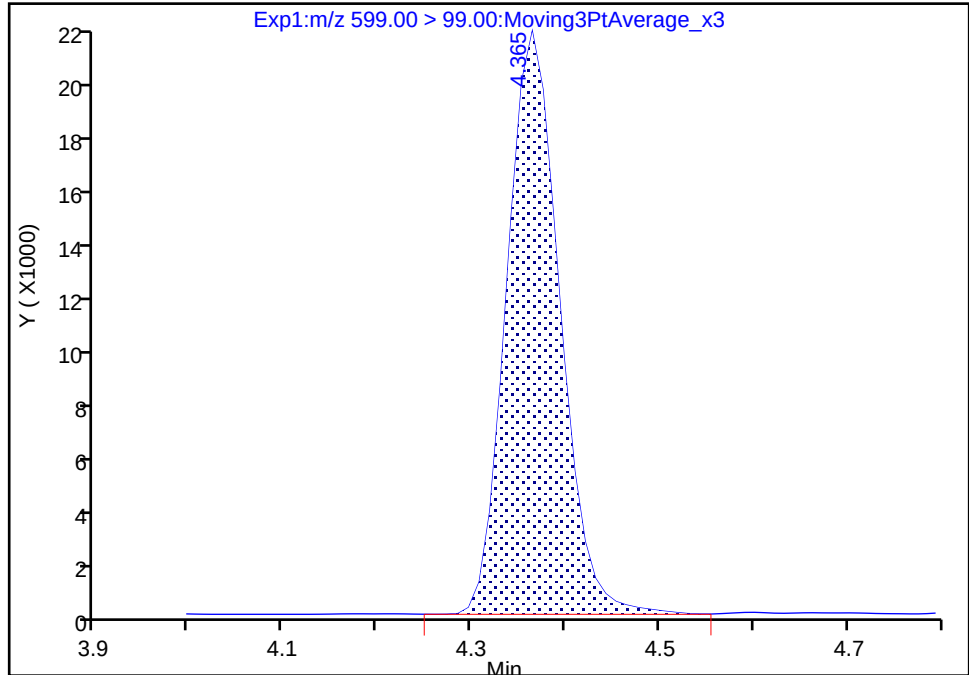
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

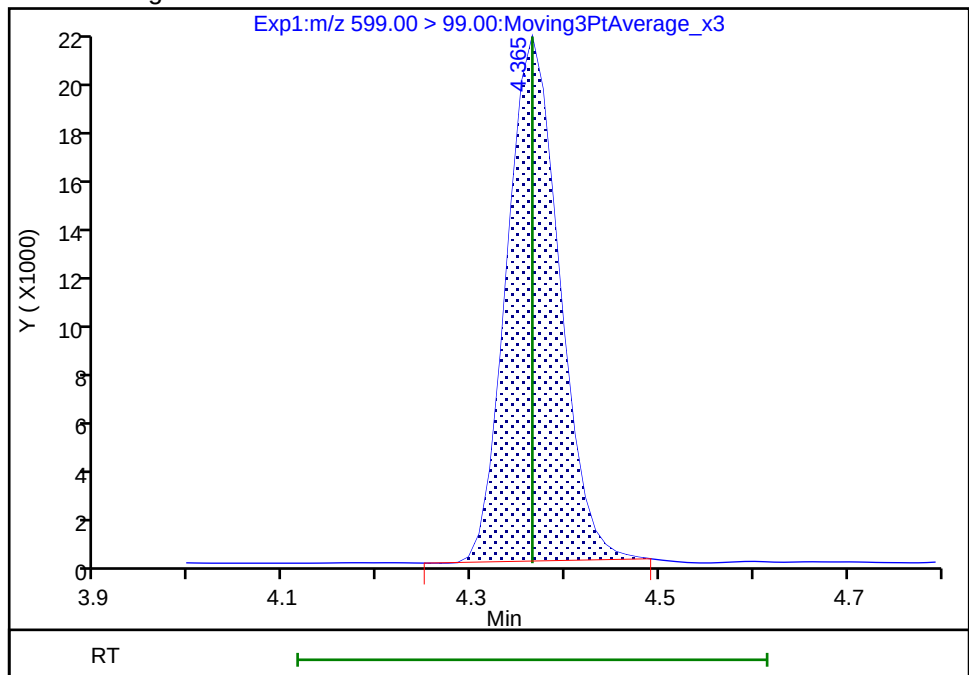
RT: 4.36
Area: 83195
Amount: 0.501353
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

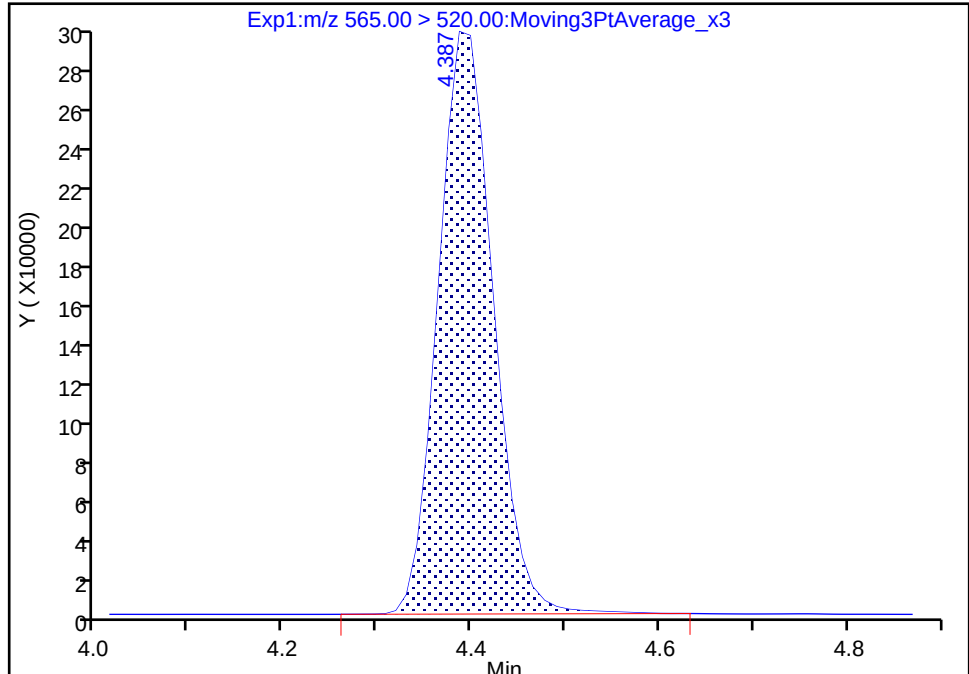
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

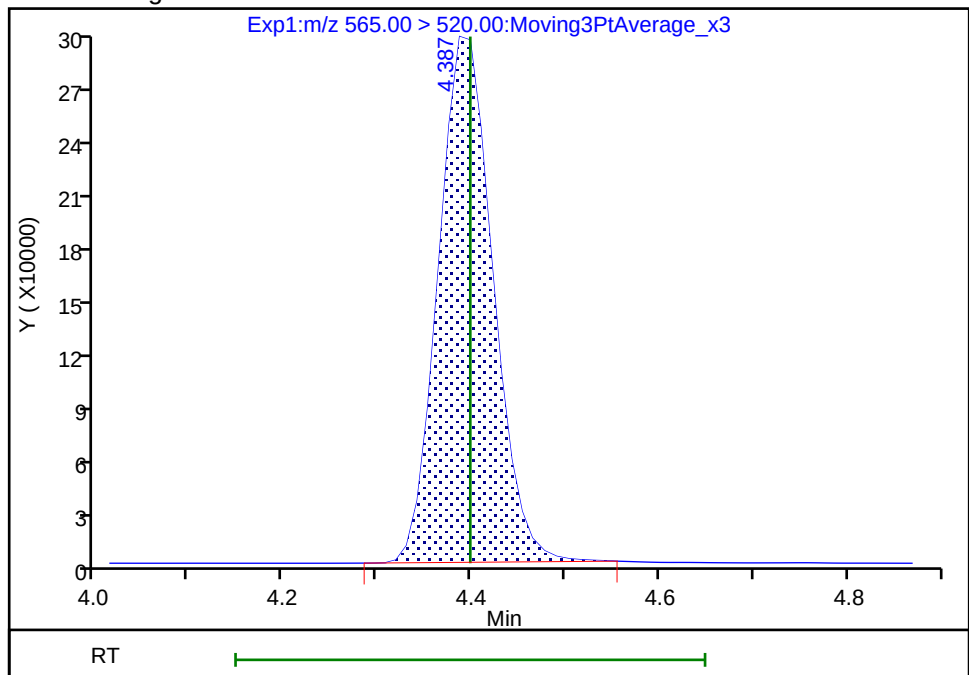
RT: 4.39
Area: 1185539
Amount: 1.226720
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

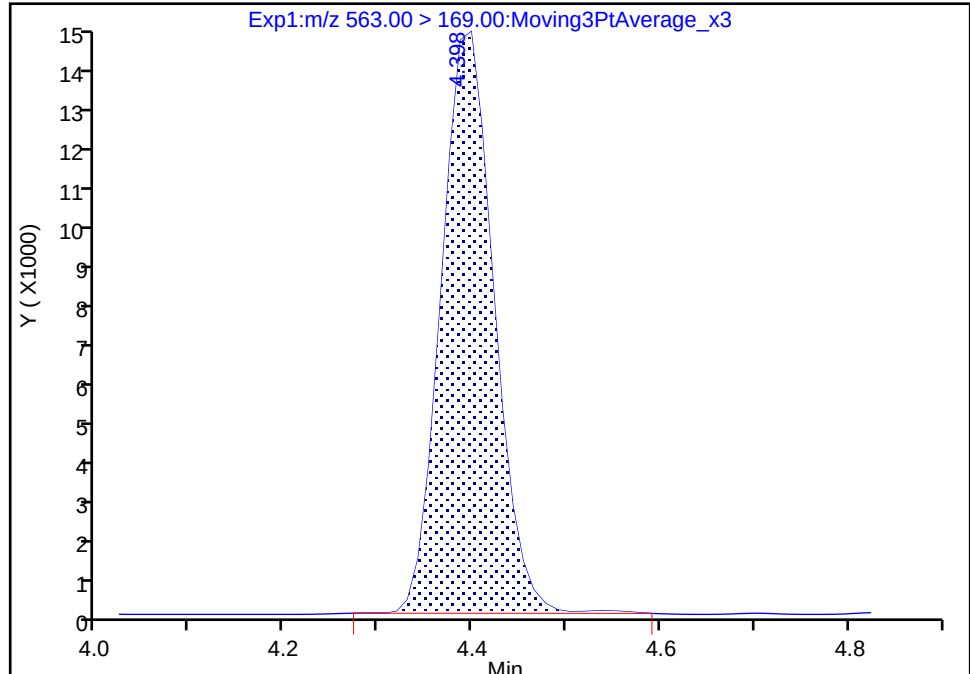
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

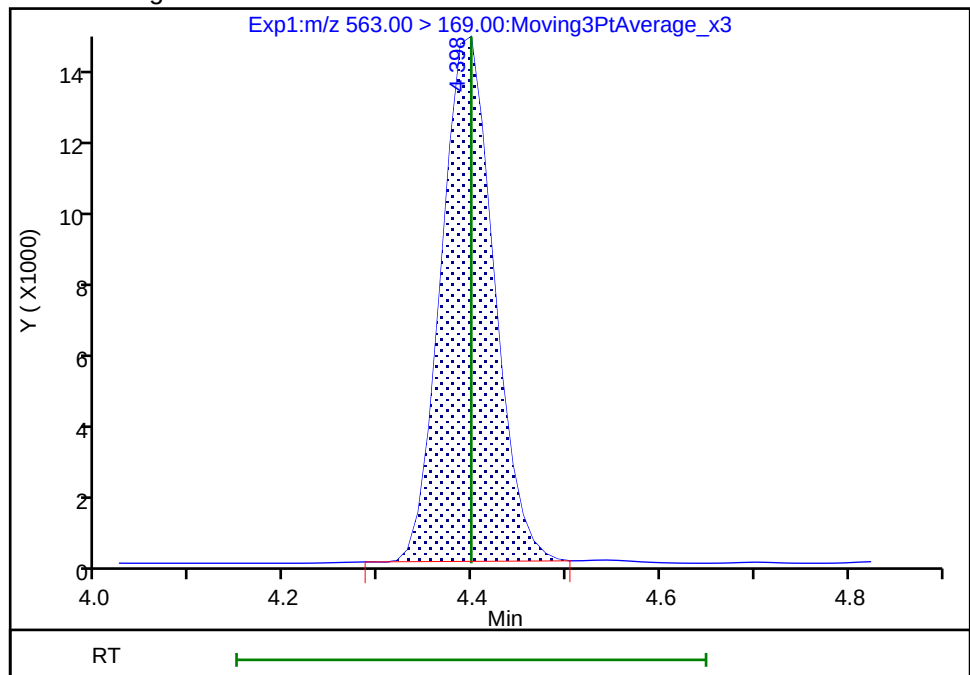
RT: 4.40
Area: 57753
Amount: 0.508085
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

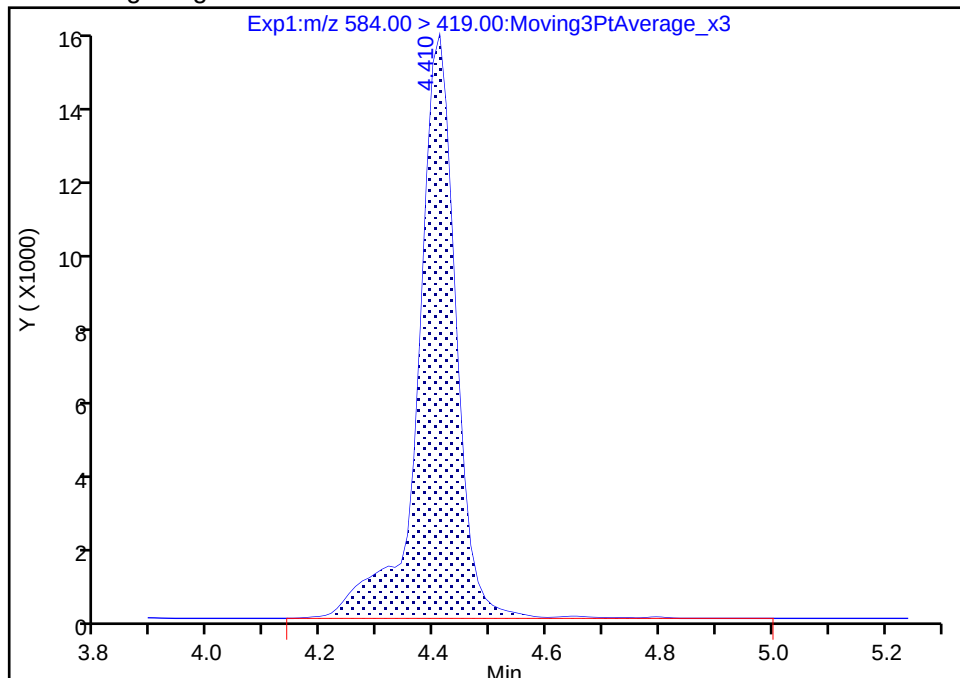
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

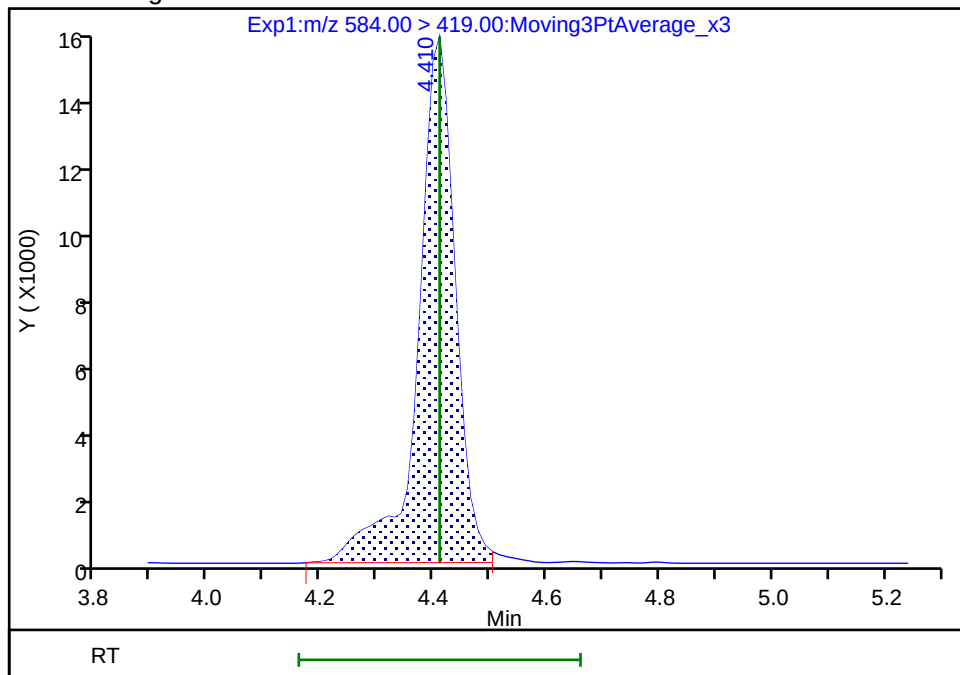
RT: 4.41
Area: 73274
Amount: 0.513533
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

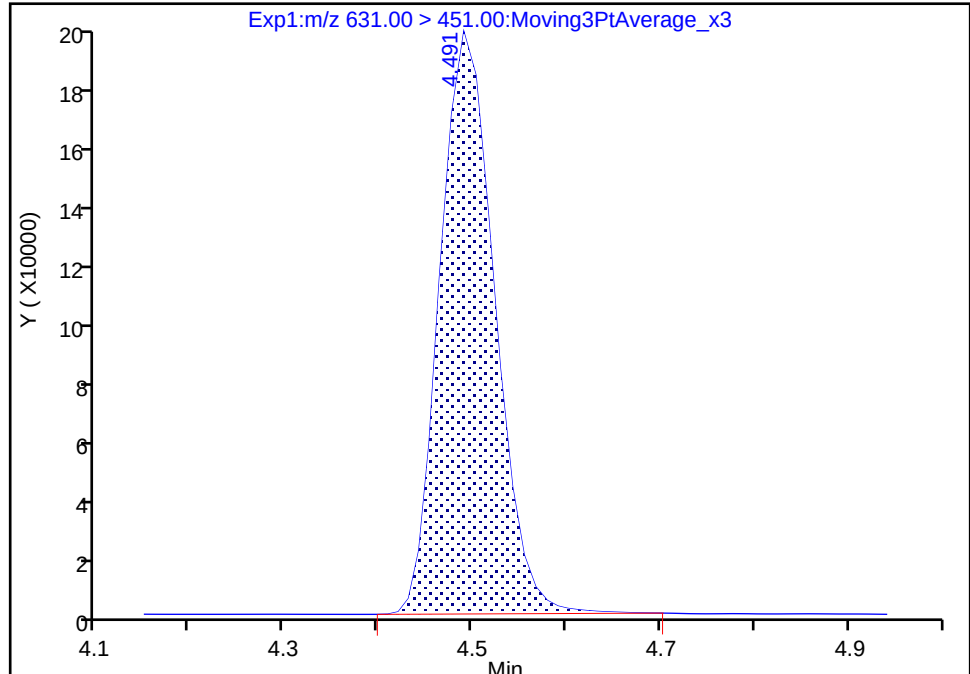
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

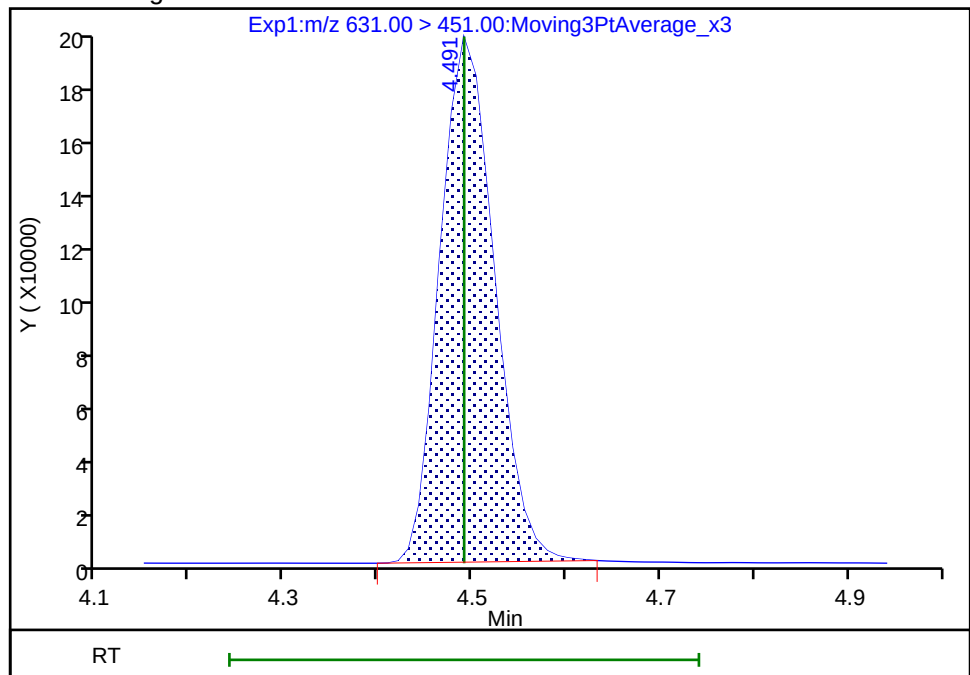
RT: 4.49
Area: 774067
Amount: 0.488891
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

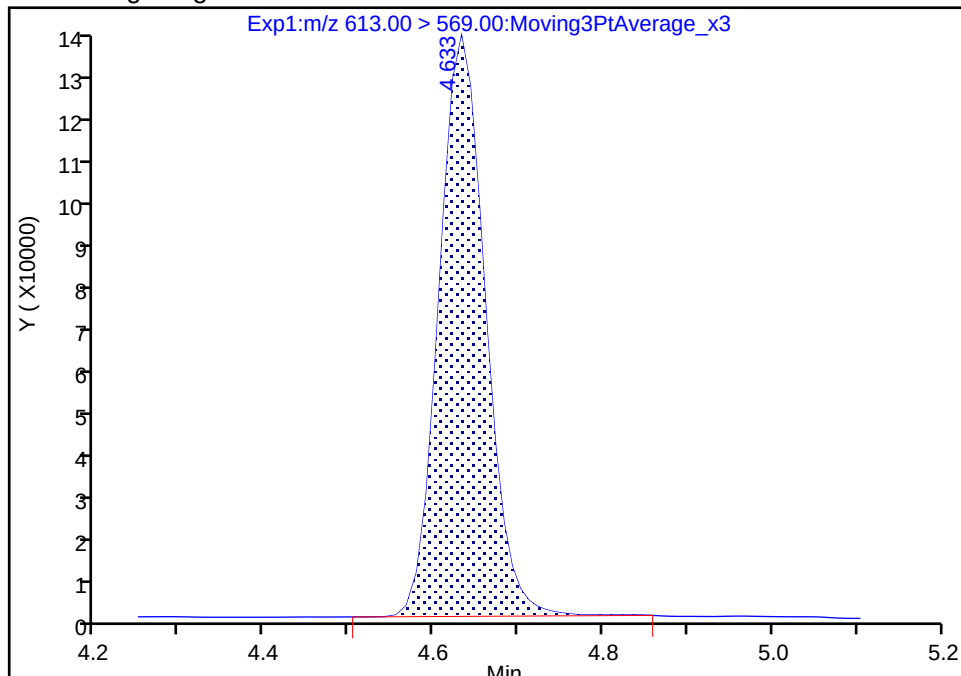
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

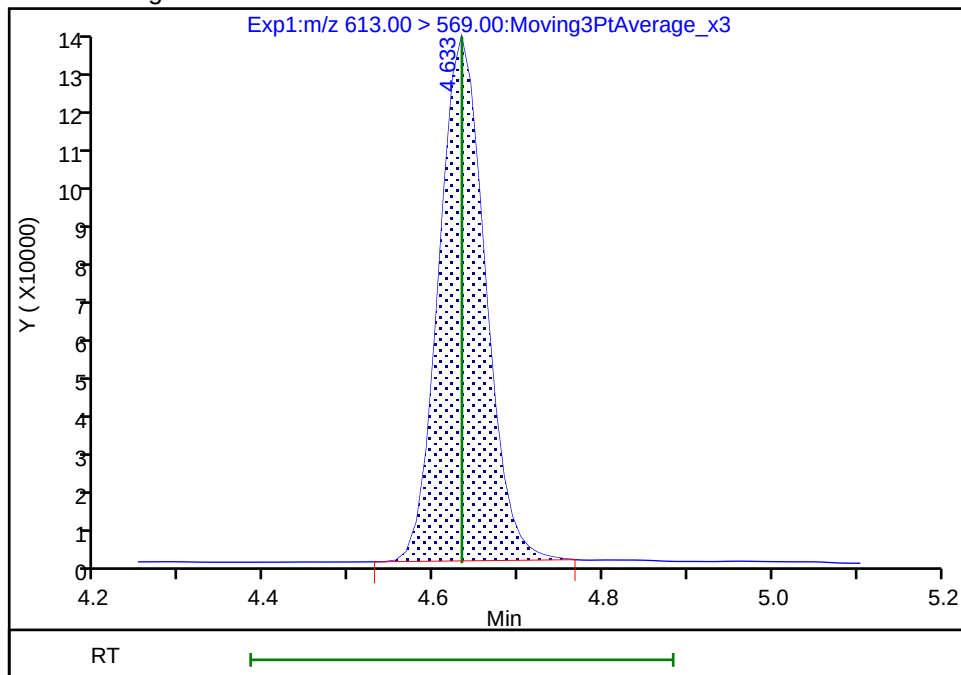
RT: 4.63
Area: 501551
Amount: 0.527306
Amount Units: ng/ml

Processing Integration Results



RT: 4.63
Area: 498404
Amount: 0.526443
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:43:46

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

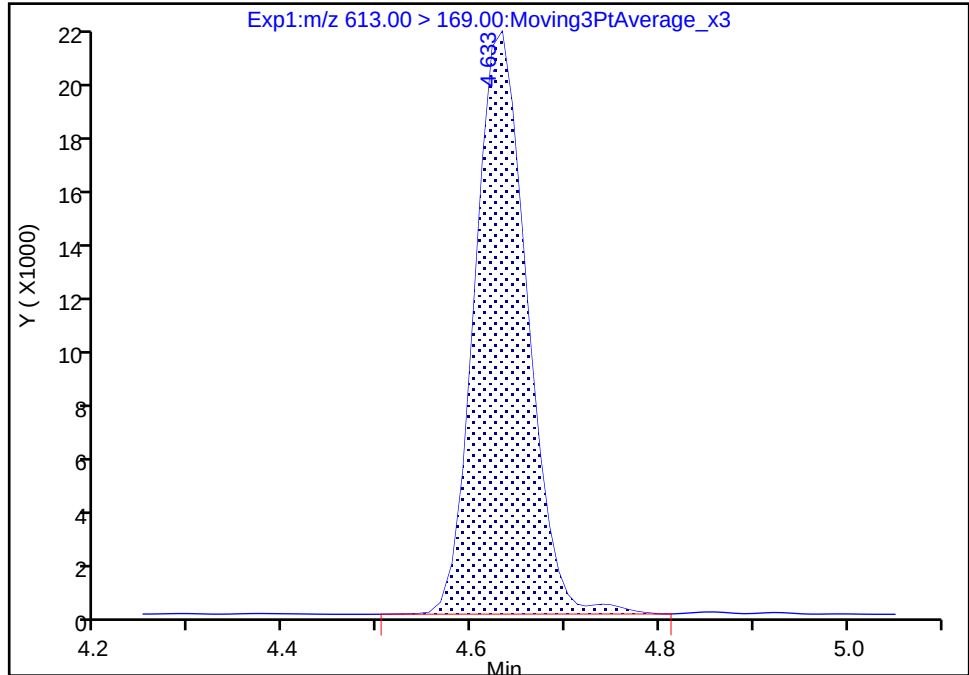
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

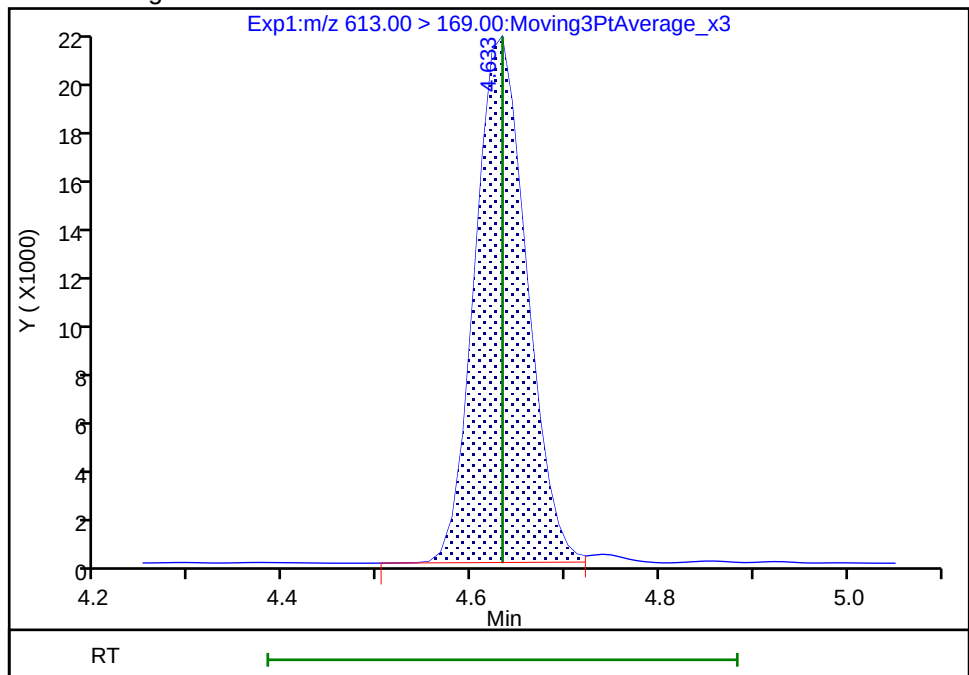
RT: 4.63
Area: 81909
Amount: 0.527306
Amount Units: ng/ml

Processing Integration Results



RT: 4.63
Area: 80760
Amount: 0.526443
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:43:59

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

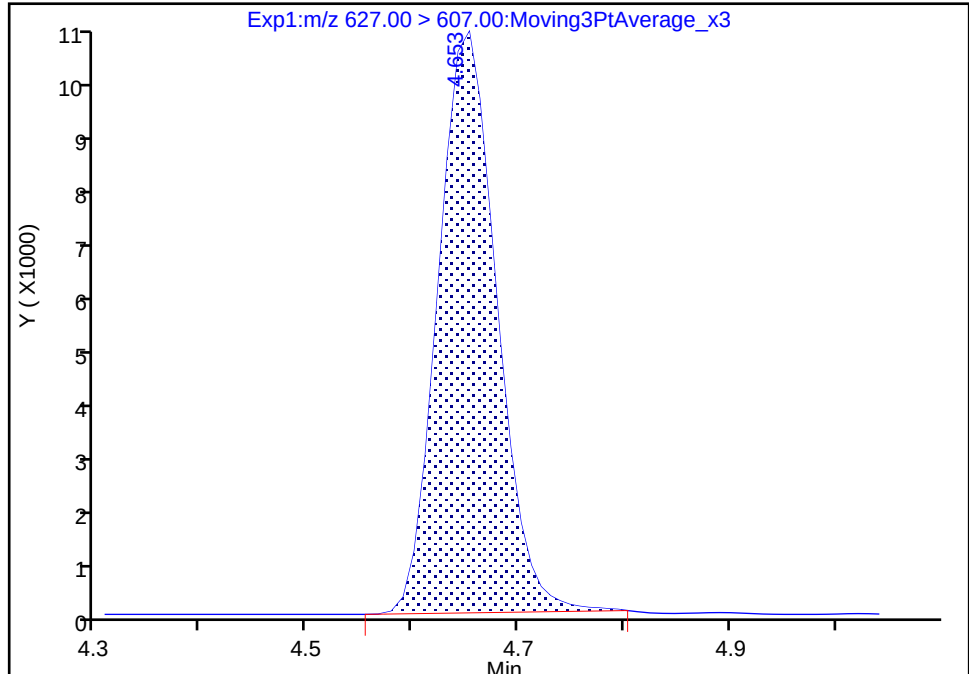
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

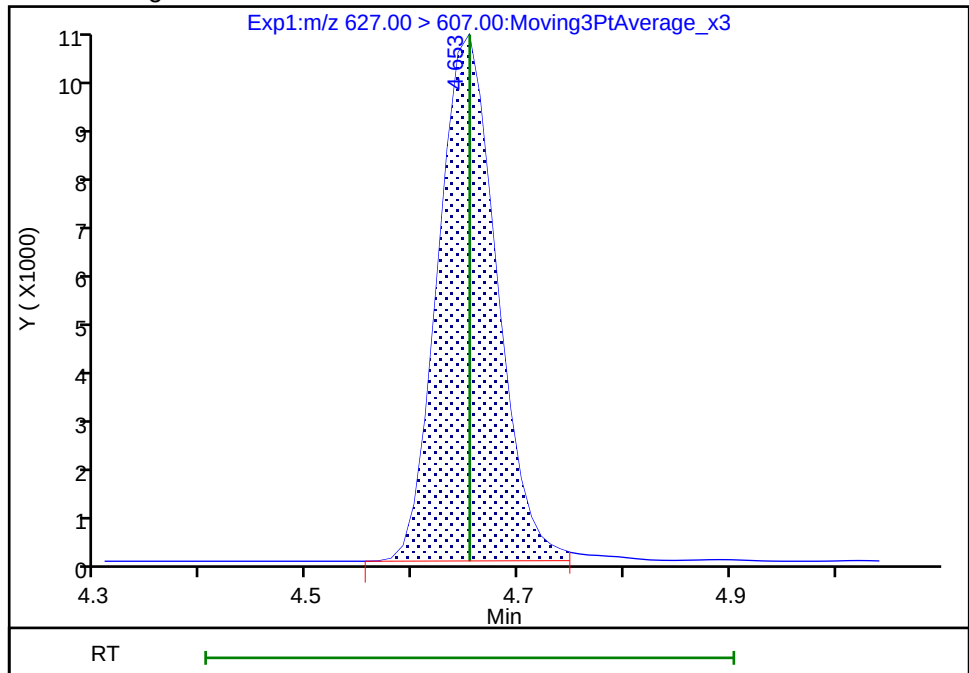
RT: 4.65
Area: 39909
Amount: 0.440401
Amount Units: ng/ml

Processing Integration Results



RT: 4.65
Area: 39968
Amount: 0.500394
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:44:08
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

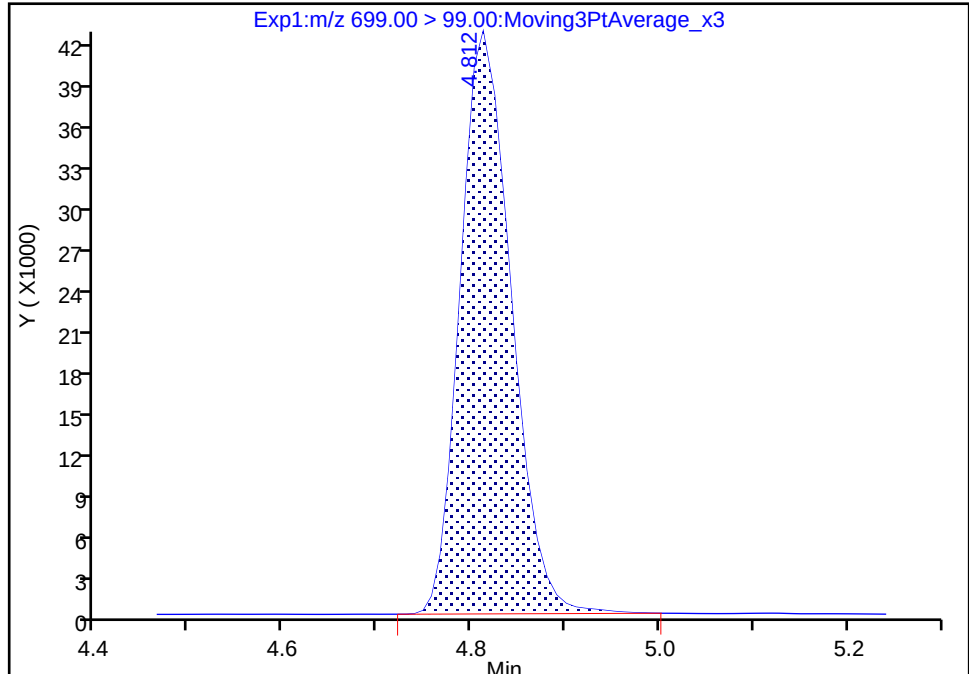
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 2

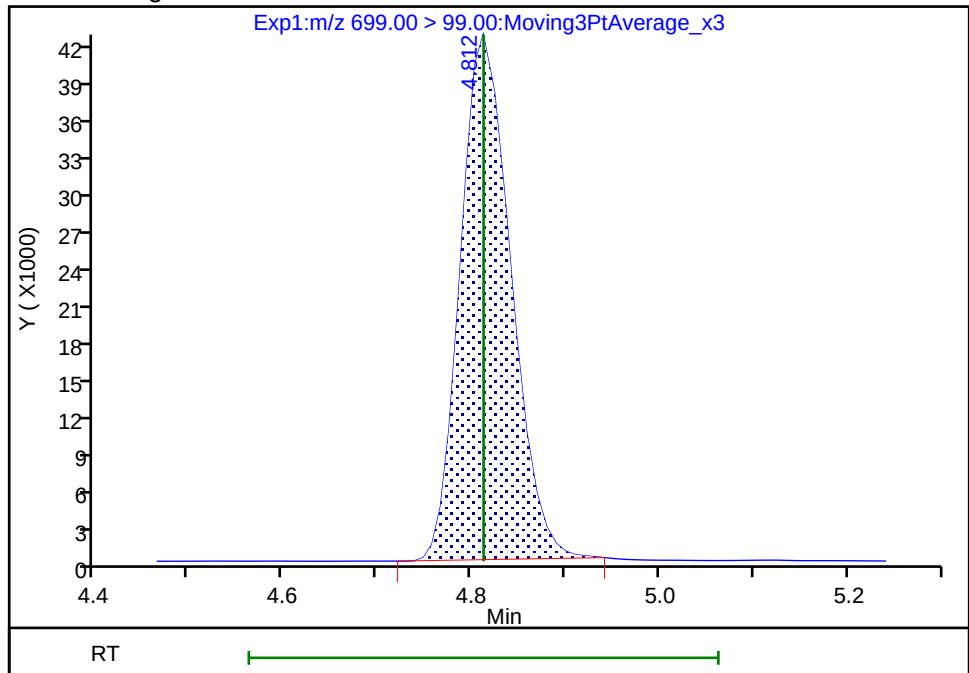
RT: 4.81
Area: 160402
Amount: 0.511186
Amount Units: ng/ml

Processing Integration Results



RT: 4.81
Area: 158626
Amount: 0.538148
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:44:16
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

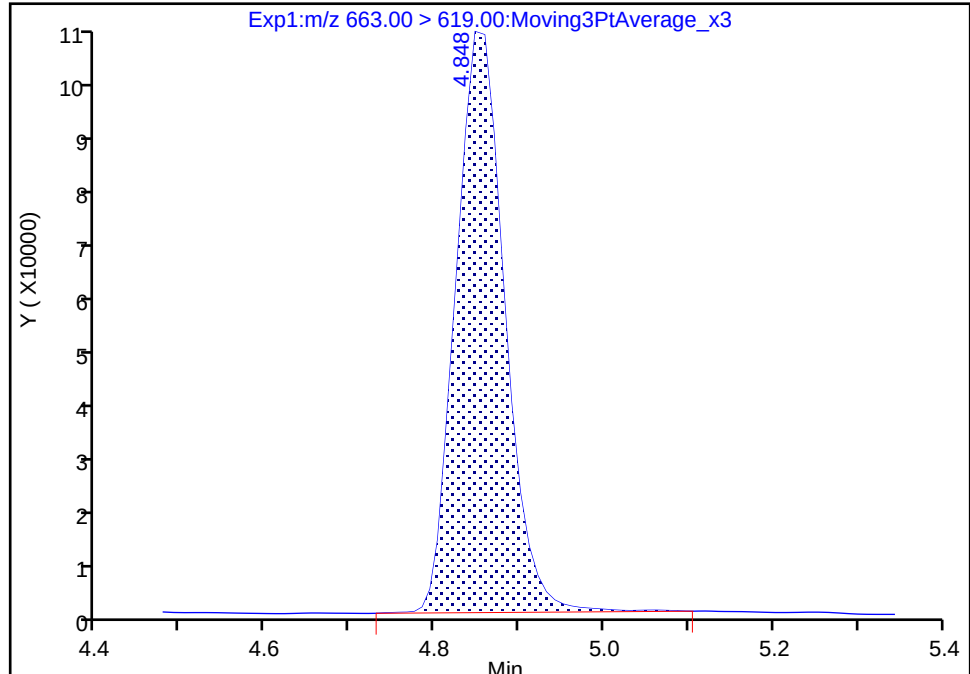
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

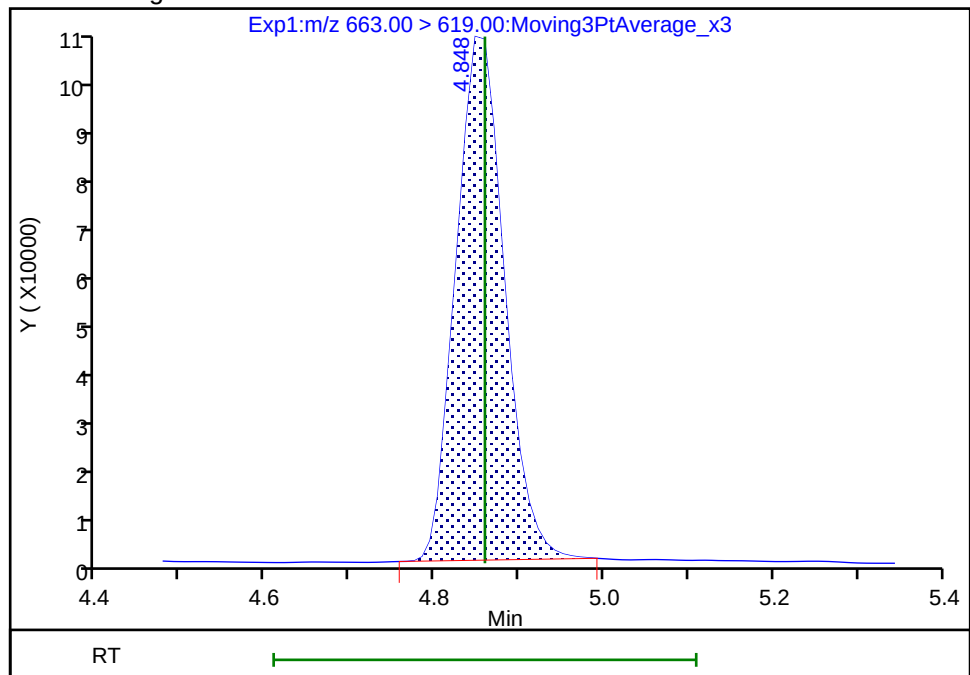
RT: 4.85
Area: 439106
Amount: 0.530437
Amount Units: ng/ml

Processing Integration Results



RT: 4.85
Area: 432811
Amount: 0.527371
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:44:25
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

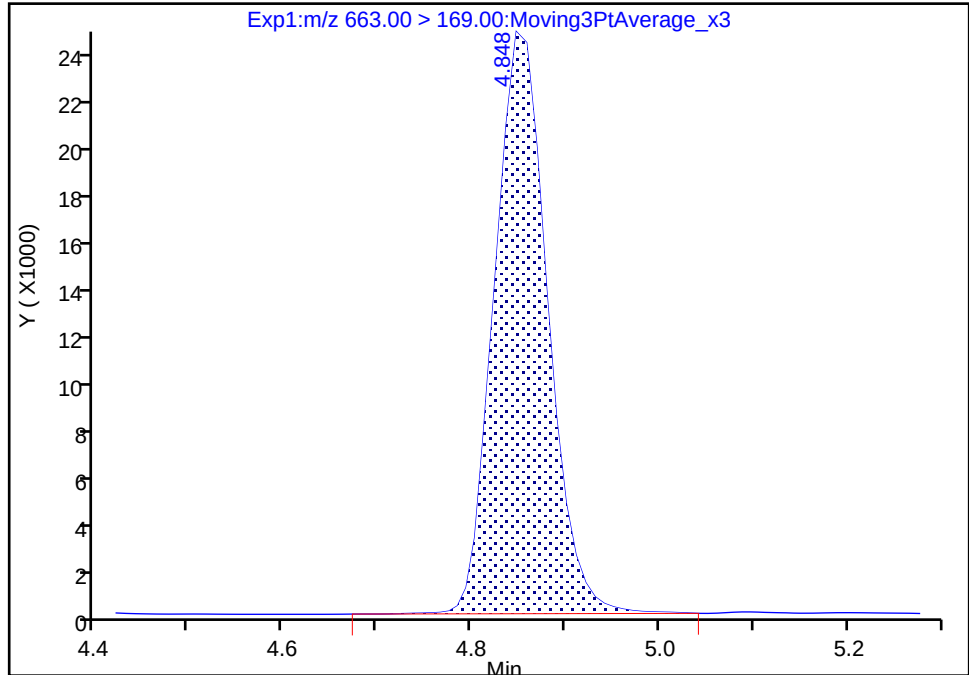
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

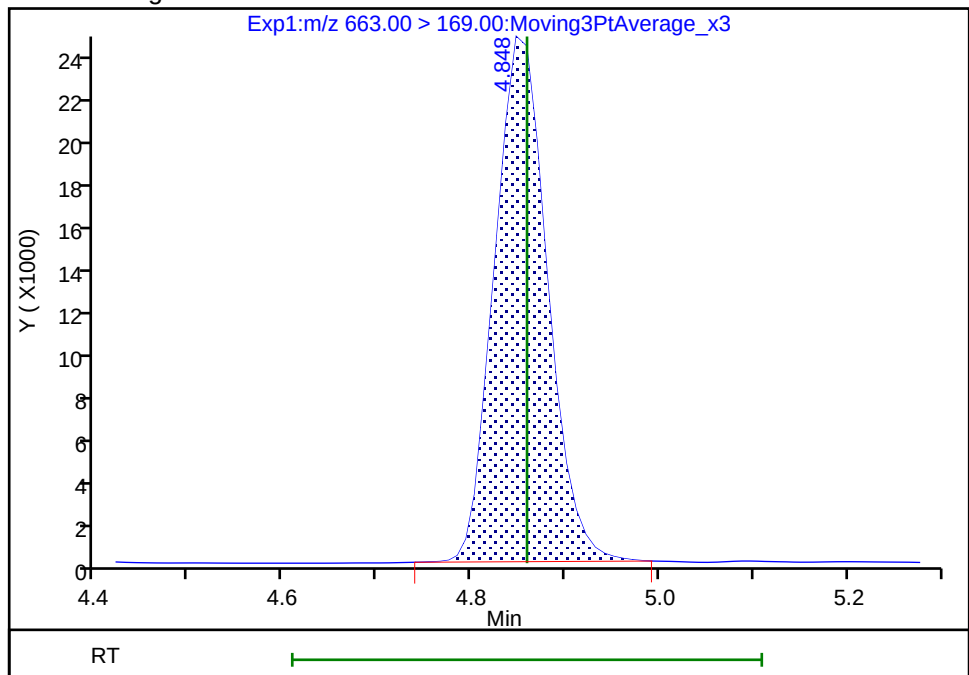
RT: 4.85
Area: 96744
Amount: 0.530437
Amount Units: ng/ml

Processing Integration Results



RT: 4.85
Area: 95909
Amount: 0.527371
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:44:30

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

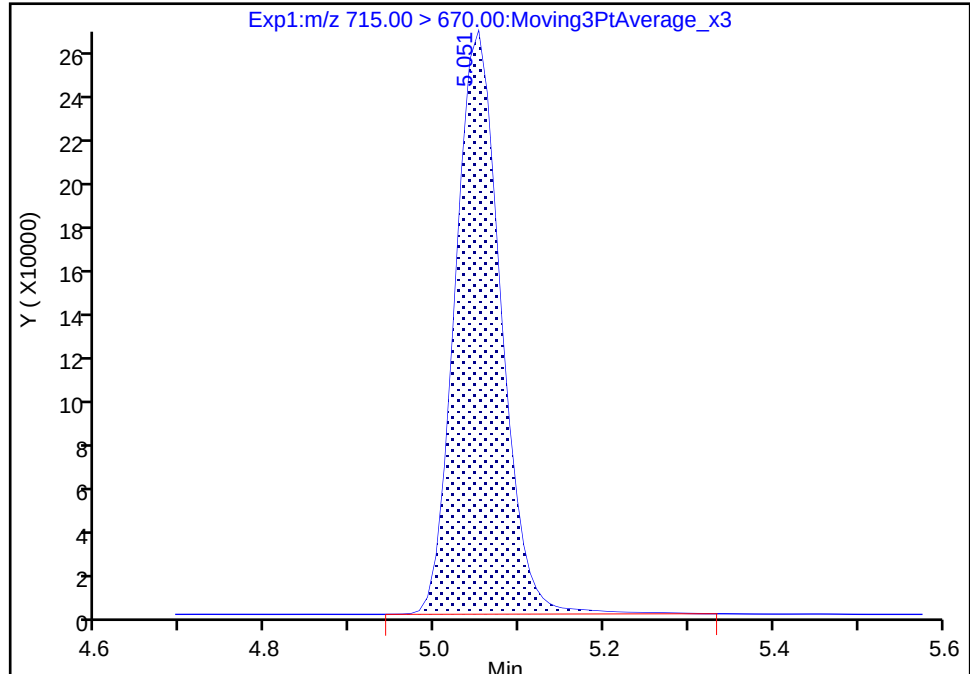
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

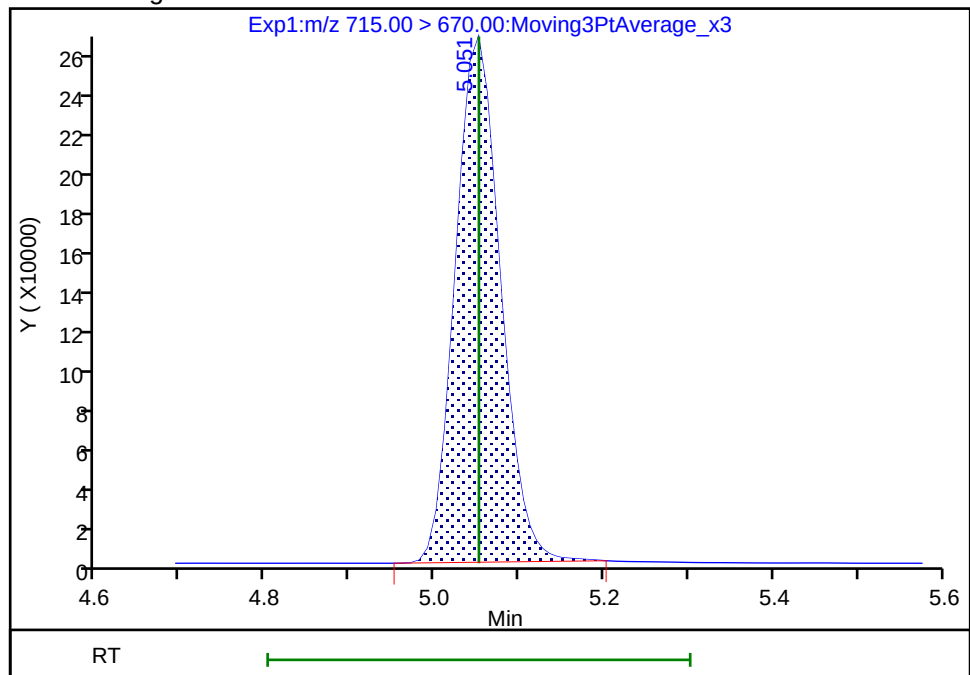
RT: 5.05
Area: 980919
Amount: 1.172592
Amount Units: ng/ml

Processing Integration Results



RT: 5.05
Area: 969884
Amount: 1.252713
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:44:43
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

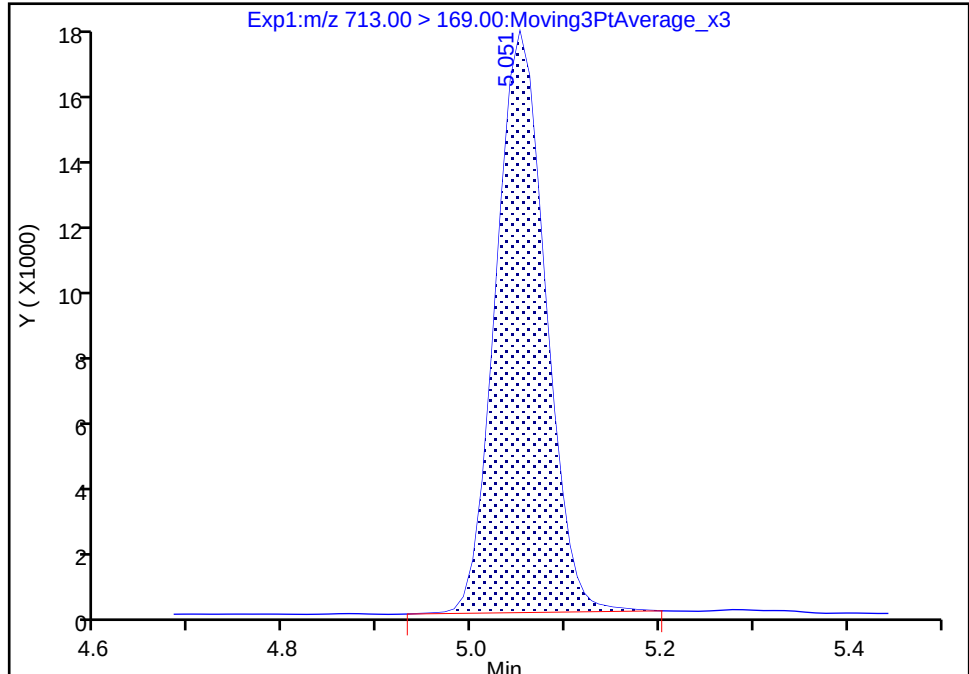
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

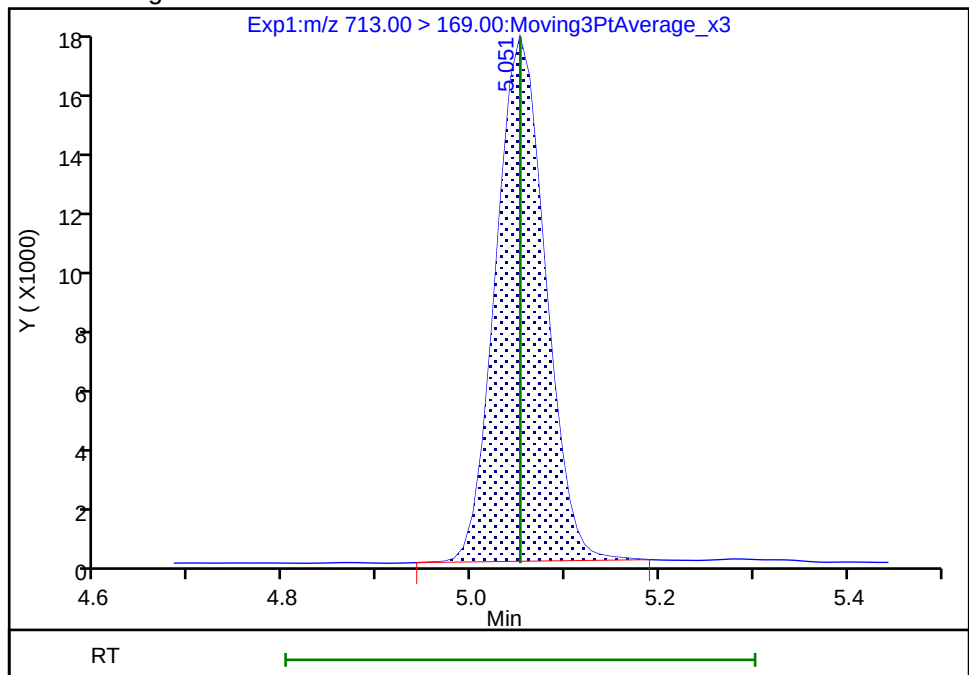
RT: 5.05
Area: 63227
Amount: 0.511523
Amount Units: ng/ml

Processing Integration Results



RT: 5.05
Area: 63032
Amount: 0.507059
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:44:35
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

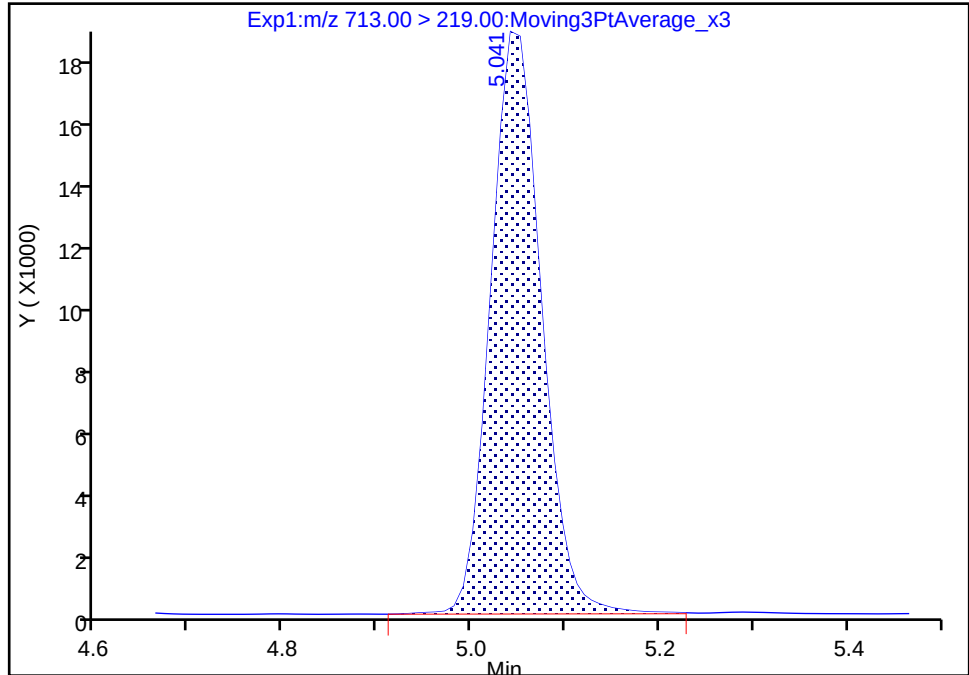
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

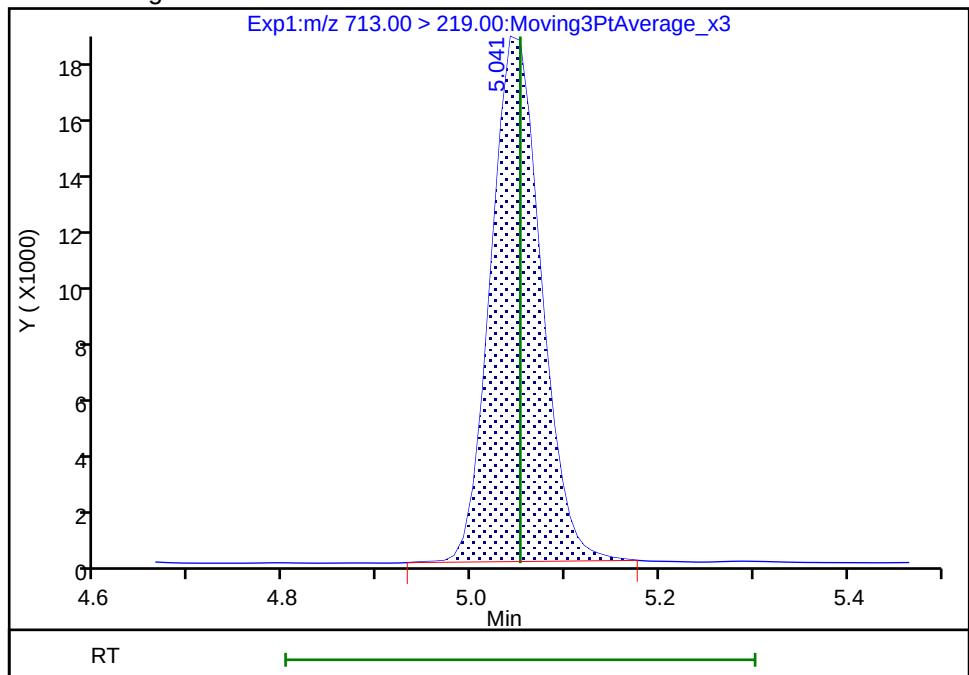
RT: 5.04
Area: 70530
Amount: 0.511523
Amount Units: ng/ml

Processing Integration Results



RT: 5.04
Area: 69631
Amount: 0.507059
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:44:38

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

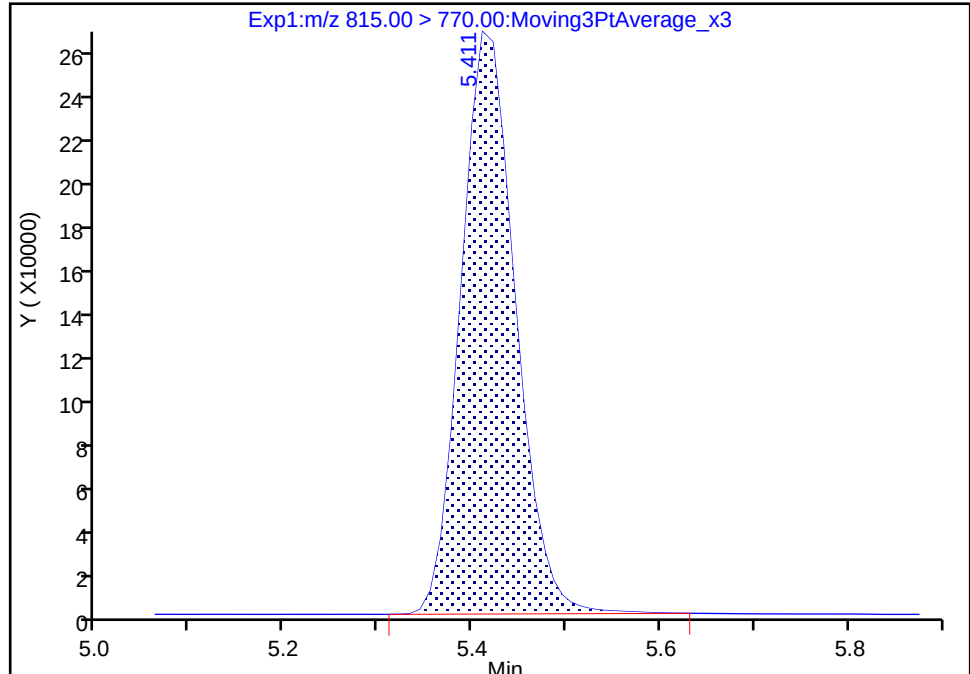
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 44 13C2 PFHxDA, CAS: STL02115

Signal: 1

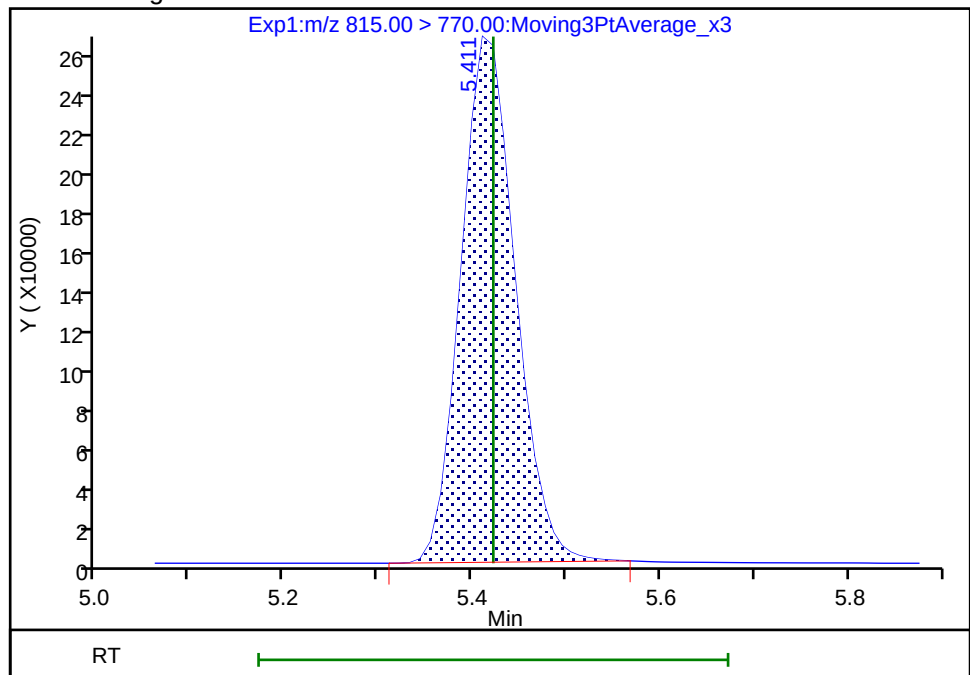
RT: 5.41
Area: 1050862
Amount: 1.165401
Amount Units: ng/ml

Processing Integration Results



RT: 5.41
Area: 1043688
Amount: 1.183398
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:44:49
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

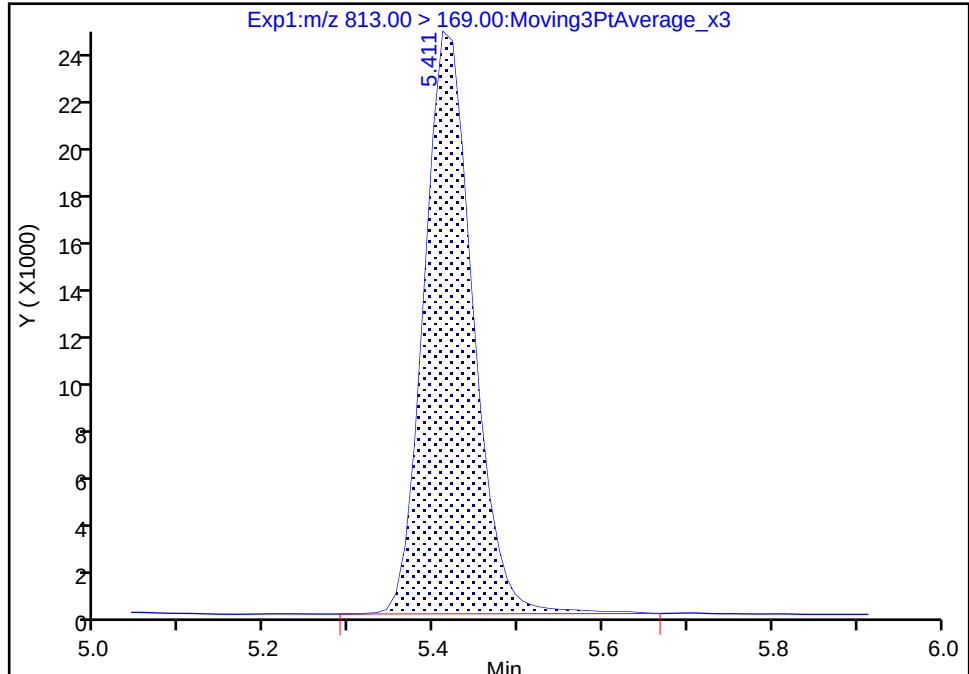
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 2

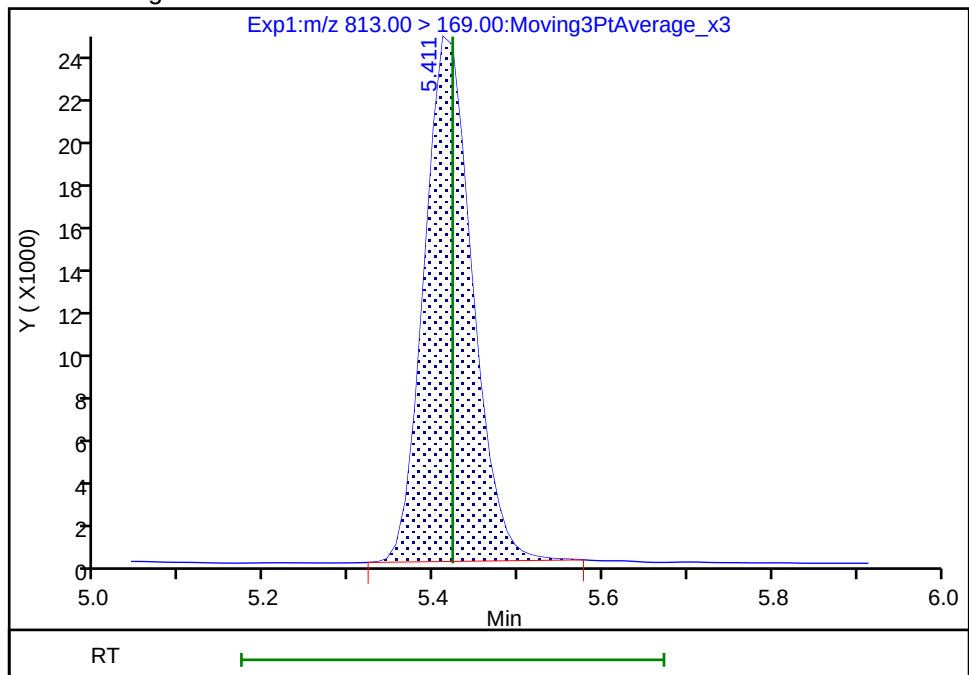
RT: 5.41
Area: 97106
Amount: 0.564180
Amount Units: ng/ml

Processing Integration Results



RT: 5.41
Area: 95637
Amount: 0.554475
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:44:53
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

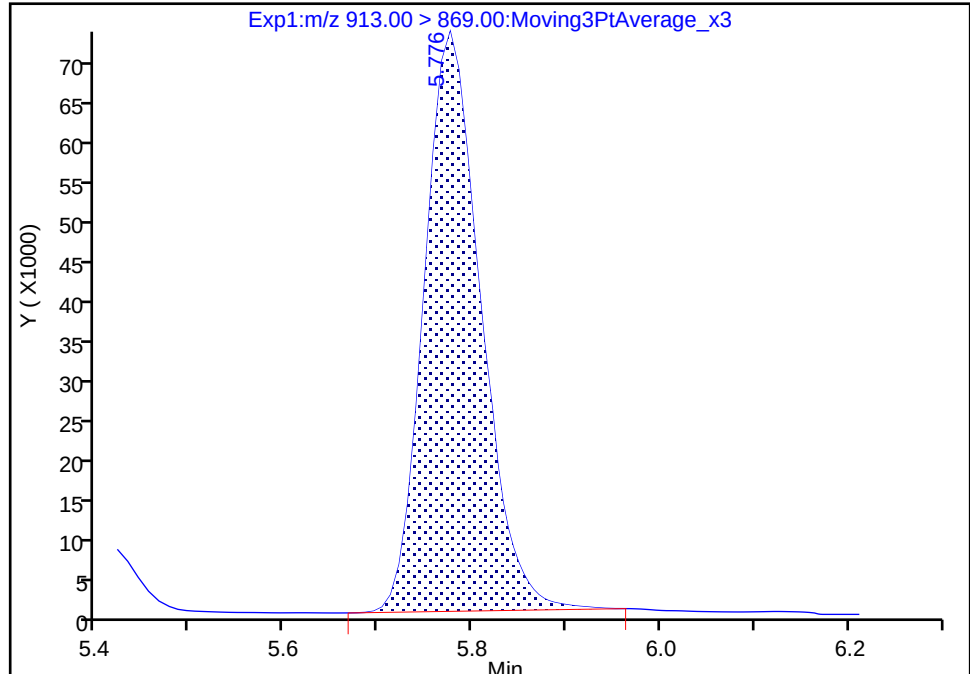
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

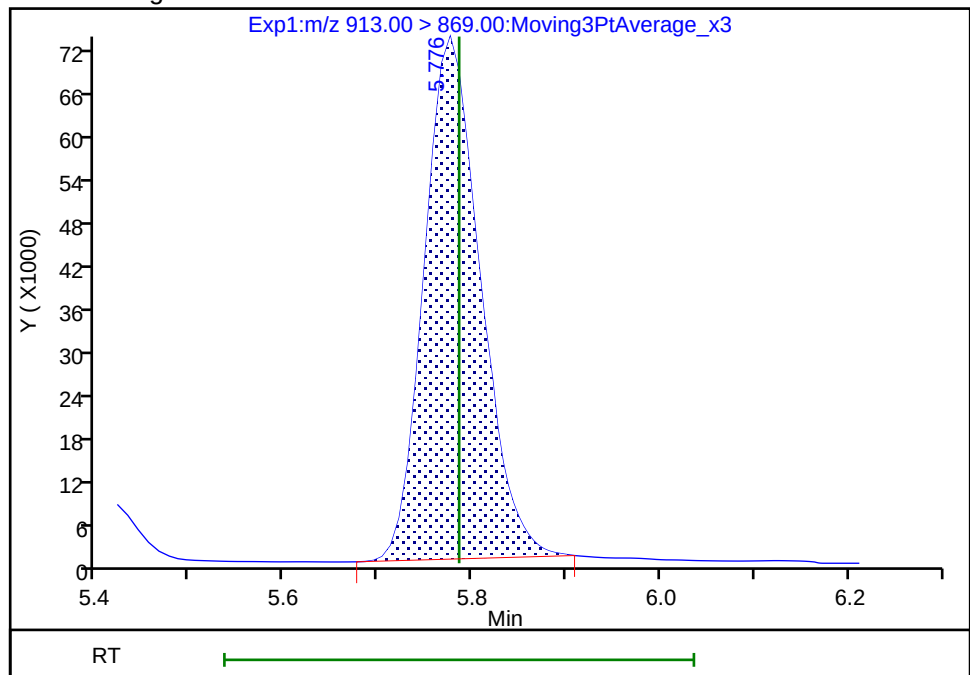
RT: 5.78
Area: 308100
Amount: 0.533653
Amount Units: ng/ml

Processing Integration Results



RT: 5.78
Area: 304377
Amount: 0.548272
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:44:58
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

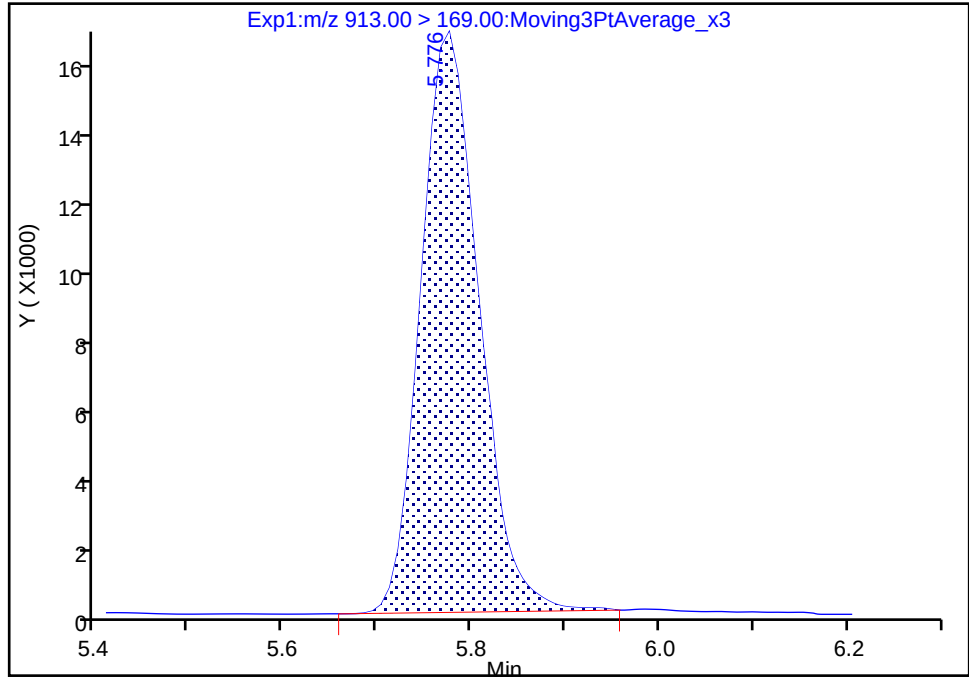
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

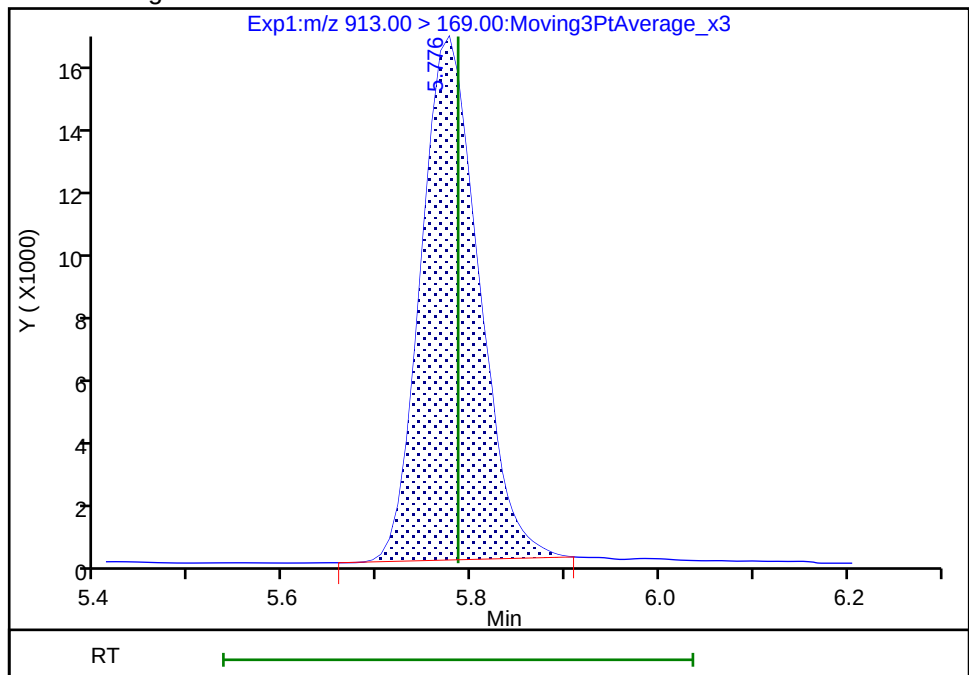
RT: 5.78
Area: 69080
Amount: 0.533653
Amount Units: ng/ml

Processing Integration Results



RT: 5.78
Area: 68198
Amount: 0.548272
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:45:02

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
 Lims ID: ICIS
 Client ID:
 Sample Type: ICIS Calib Level: 4
 Inject. Date: 03-Aug-2022 13:24:49 ALS Bottle#: 5 Worklist Smp#: 8
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: ICIS
 Misc. Info.: 200-0051940-008 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Sublist: chrom-PFC_LC812*sub3
 Method: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 03-Aug-2022 14:25:22 Calib Date: 03-Aug-2022 13:41:11
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1672

First Level Reviewer: Z1IP

Date: 03-Aug-2022 13:51:41

Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										M
217.00 > 172.00	2.085	2.085	0.0	0.599	1990166	1.23		98.7	7213	M
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.085	2.085	0.0	1.000	1485378	0.9621		96.2	231	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.400	2.400	0.0	0.689	1448057	1.17		93.4	2957	
4 Perfluoropentanoic acid										
262.90 > 219.00	2.400	2.400	0.0	1.000	1164099	0.9747		97.5	48.4	
D 47 13C3 PFBS										
301.90 > 80.00	2.413	2.413	0.0	0.693	1606766	1.12		96.3	253305	
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.413	2.413	0.0	1.000	1308863	0.8579	Target=2.18	97.0	1206	
298.90 > 99.00	2.427	2.413	0.014	1.006	588202		2.23(1.09-3.28)	97.0	481	
D 60 M2-4:2 FTS										
329.00 > 81.00	2.713	2.713	0.0	0.779	139111	1.13		96.4	154	
61 1H,1H,2H,2H-perfluorohexanesulfo										M
327.00 > 307.00	2.713	2.713	0.0	1.000	264719	0.9347		100	2421	M
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.750	2.750	0.0	1.000	1254024	0.9718	Target=12.37	97.2	288	
313.00 > 119.00	2.750	2.750	0.0	1.000	102444		12.24(6.19-18.56)	97.2	187	M
D 7 13C2 PFHxA										M
315.00 > 270.00	2.750	2.750	0.0	0.790	1545822	1.25		99.9	2534	M
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.762	2.762	0.0	0.885	1187688	0.9027	Target=3.00	96.2	1239	M
349.00 > 99.00	2.762	2.762	0.0	0.885	402094		2.95(1.50-4.50)	96.2	747	
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.859	2.859	0.0	0.821	284467	1.22		97.6	1430	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
67 Perfluoro(2-propoxypropanoic) ac										M
285.00 > 169.00	2.859	2.859	0.0	1.000	234481	0.9589		95.9	2385	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.121	3.121	0.0	0.896	1584230	1.23		98.7	2426	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.121	3.121	0.0	1.000	1289525	0.9873	Target=3.68	98.7	348	M
363.00 > 169.00	3.121	3.121	0.0	1.000	346094		3.73(1.84-5.52)	98.7	539	M
D 11 18O2 PFHxS										M
403.00 > 84.00	3.121	3.121	0.0	0.896	1199930	1.19		101	1779	M
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.121	3.121	0.0	1.000	943168	0.8427	Target=3.52	92.6	1166	M
399.00 > 99.00	3.121	3.121	0.0	1.000	274604		3.43(1.76-5.27)	92.6	325	M
77 DONA										M
377.00 > 251.00	3.165	3.165	0.0	0.832	2813092	0.9411	Target=2.78	99.9	1880	M
377.00 > 85.00	3.165	3.165	0.0	0.832	991616		2.84(1.39-4.17)	99.9	1036	M
D 12 M2-6:2 FTS										
429.00 > 81.00	3.474	3.474	0.0	0.997	203094	1.20		101	372	
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.474	3.474	0.0	1.000	238899	0.9418		99.3	398	M
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.474	3.474	0.0	0.914	822025	0.9164	Target=4.99	96.3	1399	M
449.00 > 99.00	3.474	3.474	0.0	0.914	168205		4.89(2.50-7.49)	96.3	647	M
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.482	3.482	0.0	1.000	1407860	0.9724	Target=2.64	97.2	160	M
413.00 > 169.00	3.482	3.482	0.0	1.000	526635		2.67(1.32-3.96)	97.2	912	M
D 14 13C4 PFOA										M
417.00 > 372.00	3.482	3.482	0.0	1.000	1613787	1.23		98.1	1604	M
* 62 13C2 PFOA										M
415.00 > 370.00	3.482	3.482	0.0		1727269	1.25			1812	M
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.802	3.802	0.0	1.000	683046	0.9274	Target=4.77	99.9	364	M
499.00 > 99.00	3.802	3.802	0.0	1.000	139901		4.88(2.38-7.15)	99.9	419	M
D 18 13C4 PFOS										M
503.00 > 80.00	3.802	3.802	0.0	1.092	867294	1.15		96.3	1526	M
20 Perfluorononanoic acid										
463.00 > 419.00	3.822	3.822	0.0	1.000	1409012	0.99	Target=7.92	99.3	443	
463.00 > 169.00	3.822	3.822	0.0	1.000	171207		8.23(3.96-11.88)	99.3	1255	
D 19 13C5 PFNA										M
468.00 > 423.00	3.822	3.822	0.0	1.098	1743026	1.28		102	2084	M
69 9-Chlorohexadecafluoro-3-oxanona										M
531.00 > 351.00	3.969	3.969	0.0	1.044	1181613	0.9216		98.9	1874	M
68 Perfluorononanesulfonic acid										M
549.00 > 80.00	4.093	4.093	0.0	1.076	533126	0.9382	Target=2.52	97.7	2279	M
549.00 > 99.00	4.093	4.093	0.0	1.076	210996		2.53(1.26-3.78)	97.7	711	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.127	4.127	0.0	0.997	194268	1.00		105	1449	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.127	4.127	0.0	1.000	1414392	1.00	Target=9.74	100	687	M
513.00 > 169.00	4.127	4.127	0.0	1.000	146317		9.67(4.87-14.60)	100	641	M
D 23 13C2 PFDA										M
515.00 > 470.00	4.127	4.127	0.0	1.185	1674653	1.26		101	1506	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.138	4.138	0.0	1.188	240555	1.18		98.8	846	
D 21 13C8 FOSA										M
506.00 > 78.00	4.173	4.173	0.0	1.198	1386621	1.19		95.3	1498	M
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.173	4.173	0.0	1.000	1095271	0.9689		96.9	1349	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.273	4.273	0.0	1.000	153984	0.9732		97.3	429	M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.273	4.273	0.0	1.227	222702	1.25		100.0	520	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.365	4.365	0.0	1.148	414469	0.9801	Target=2.62	102	1121	M
599.00 > 99.00	4.365	4.365	0.0	1.148	147870		2.80(1.31-3.93)	102	922	M
D 30 13C2 PFUnA										M
565.00 > 520.00	4.399	4.399	0.0	1.263	1185895	1.18		94.2	1522	M
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.399	4.399	0.0	1.000	1006935	1.00	Target=8.83	100	738	
563.00 > 169.00	4.399	4.399	0.0	1.000	110966		9.07(4.41-13.24)	100	1029	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.410	4.410	0.0	1.000	144142	0.9611		96.1	655	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.410	4.410	0.0	1.266	206475	1.22		97.9	886	
66 11-Chloroeicosafuoro-3-oxaundec										M
631.00 > 451.00	4.491	4.491	0.0	1.181	1584274	0.9494		101	1657	M
D 36 13C2 PFDaA										
615.00 > 570.00	4.633	4.633	0.0	1.330	1247905	1.20		95.6	2577	
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.633	4.633	0.0	1.000	1007986	1.00	Target=6.63	99.6	155	
613.00 > 169.00	4.633	4.633	0.0	1.000	144662		6.97(3.32-9.95)	99.6	741	M
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.654	4.654	0.0	1.125	88428	0.9758		101	595	M
75 Perfluorododecanesulfonic acid (										M
699.00 > 80.00	4.813	4.813	0.0	1.266	169391	0.9022	Target=0.54	93.2	1209	
699.00 > 99.00	4.813	4.813	0.0	1.266	323544		0.52(0.27-0.81)	93.2	1293	M
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.859	4.859	0.0	1.049	899529	1.02	Target=4.62	102	152	M
663.00 > 169.00	4.859	4.859	0.0	1.049	197181		4.56(2.31-6.94)	102	814	M
D 43 13C2 PFTeDA										
715.00 > 670.00	5.052	5.052	0.0	1.451	1055713	1.24		98.9	3624	
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.052	5.052	0.0	1.000	133055	0.9833	Target=0.94	98.3	766	
713.00 > 219.00	5.052	5.052	0.0	1.000	141742		0.94(0.47-1.41)	98.3	930	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
45 Perfluorohexadecanoic acid										M
813.00 > 769.00	5.422	5.422	0.0	1.000	890409	1.02	Target=4.40	102	191	M
813.00 > 169.00	5.422	5.422	0.0	1.000	203401		4.38(2.20-6.59)	102	1180	
D 44 13C2 PFHxDA										M
815.00 > 770.00	5.422	5.422	0.0	1.557	1201939	1.24		98.9	2047	M
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.786	5.786	0.0	1.067	621162	0.9716	Target=4.42	97.2	142	M
913.00 > 169.00	5.777	5.786	-0.009	1.065	144019		4.31(2.21-6.63)	97.2	494	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PFAS32NCIC4_00033

Amount Added: 100.00

Units: uL

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d

Injection Date: 03-Aug-2022 13:24:49

Instrument ID: LC812

Lims ID: ICIS

Client ID:

Operator ID: lc812tech

ALS Bottle#:

5

Worklist Smp#:

8

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

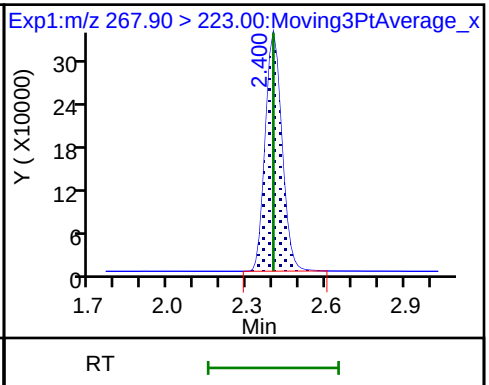
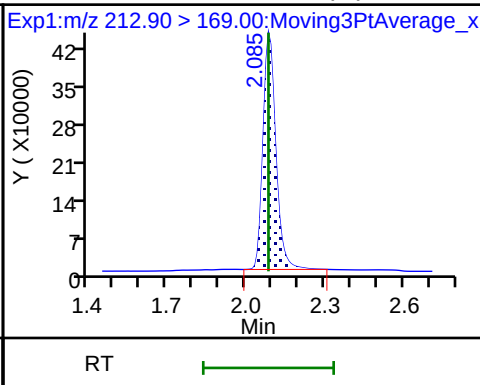
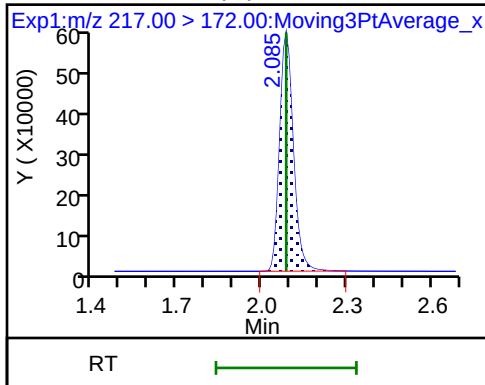
Limit Group:

LC_PFC_ICAL

D 1 13C4 PFBA (M)

2 Perfluorobutanoic acid (M)

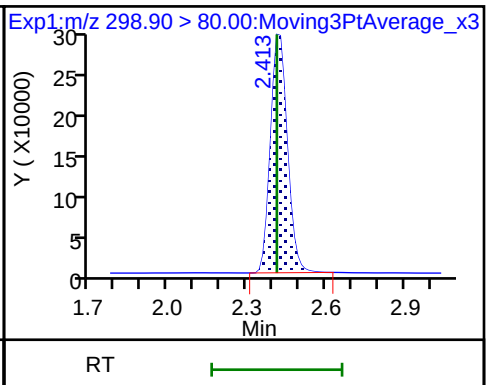
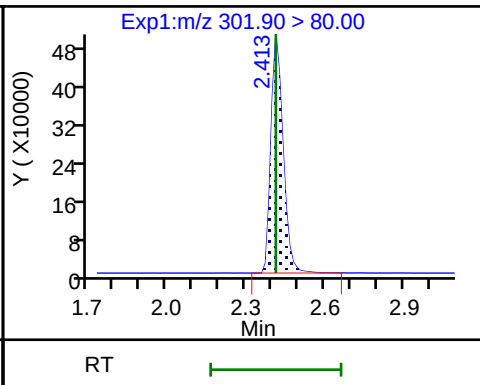
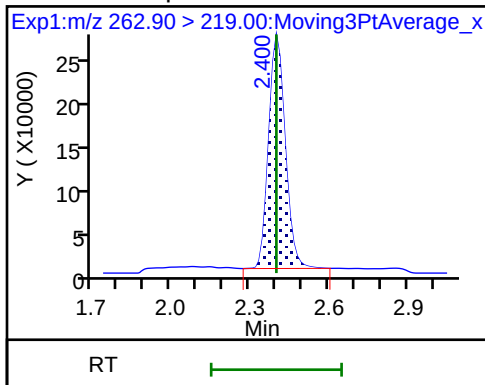
D 3 13C5 PFPeA



4 Perfluoropentanoic acid

D 47 13C3 PFBS

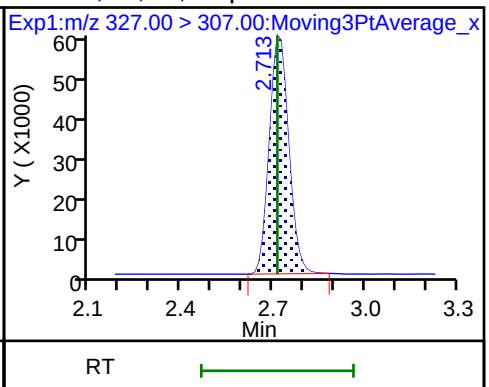
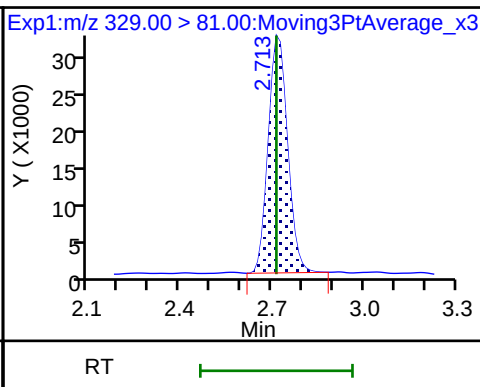
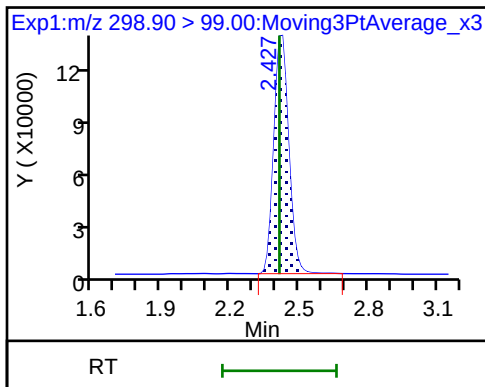
5 Perfluorobutanesulfonic acid



5 Perfluorobutanesulfonic acid

D 60 M2-4:2 FTS

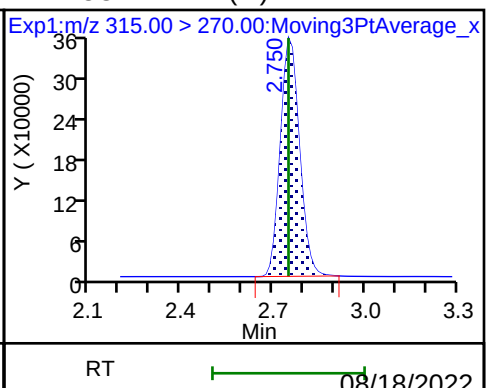
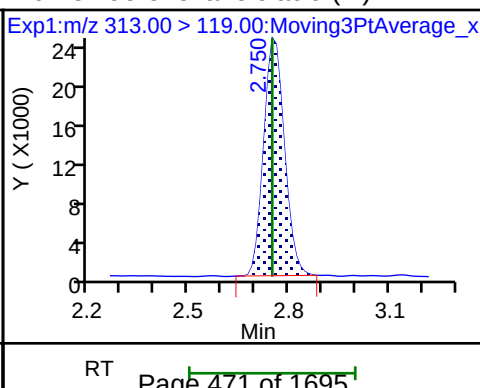
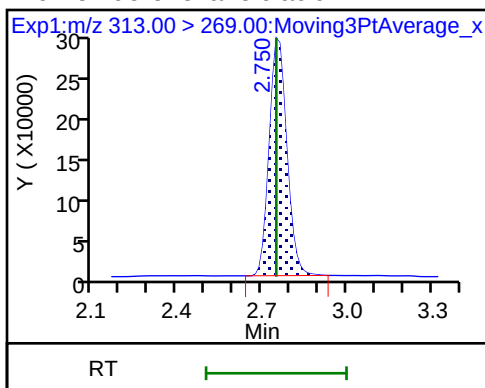
61 1H,1H,2H,2H-perfluorohexanesulfo (M)



6 Perfluorohexanoic acid

6 Perfluorohexanoic acid (M)

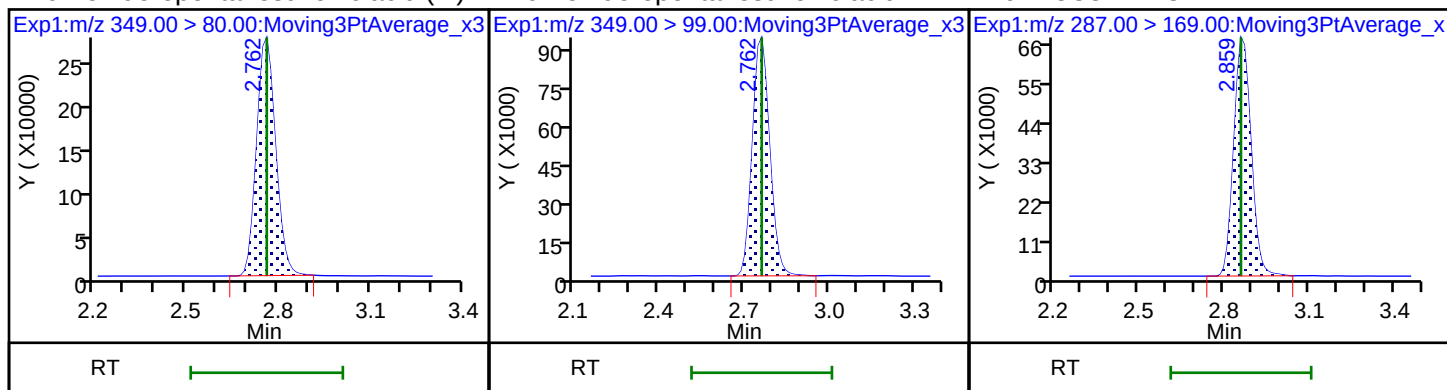
D 7 13C2 PFHxA (M)



70 Perfluoropentanesulfonic acid (M)

70 Perfluoropentanesulfonic acid

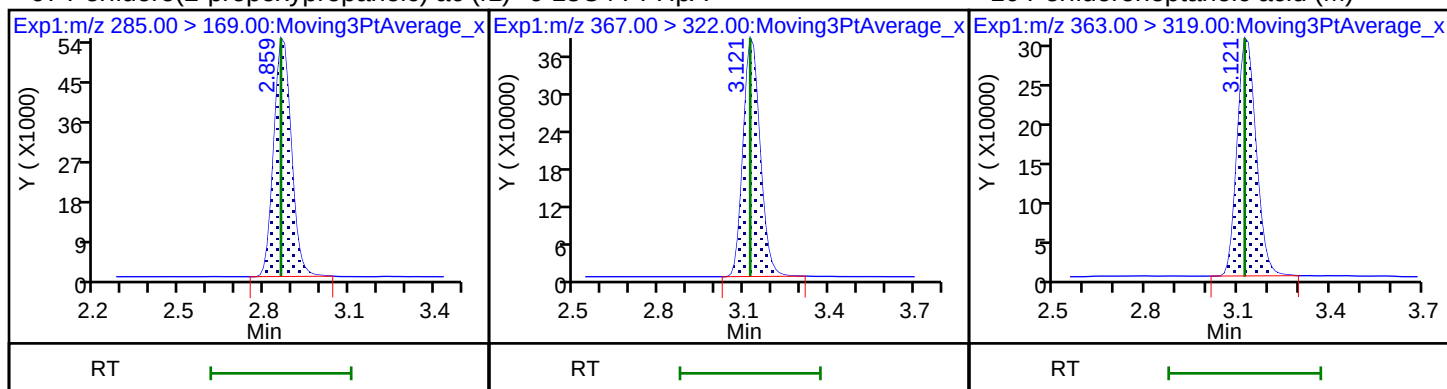
D 64 13C3 HFPO-DA



67 Perfluoro(2-propoxypropanoic) ac (M)

9 13C4 PFHpA

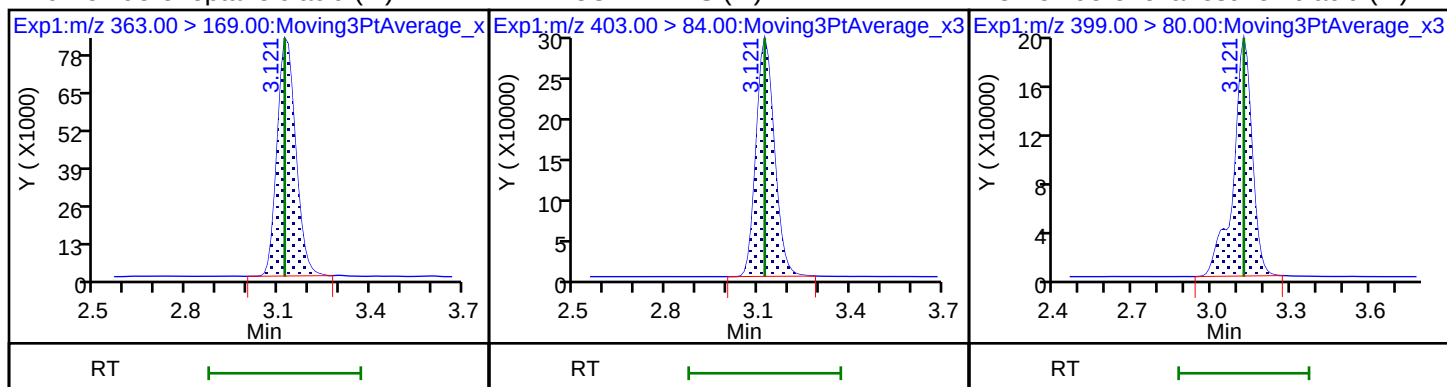
10 Perfluoroheptanoic acid (M)



10 Perfluoroheptanoic acid (M)

D 11 18O2 PFHxS (M)

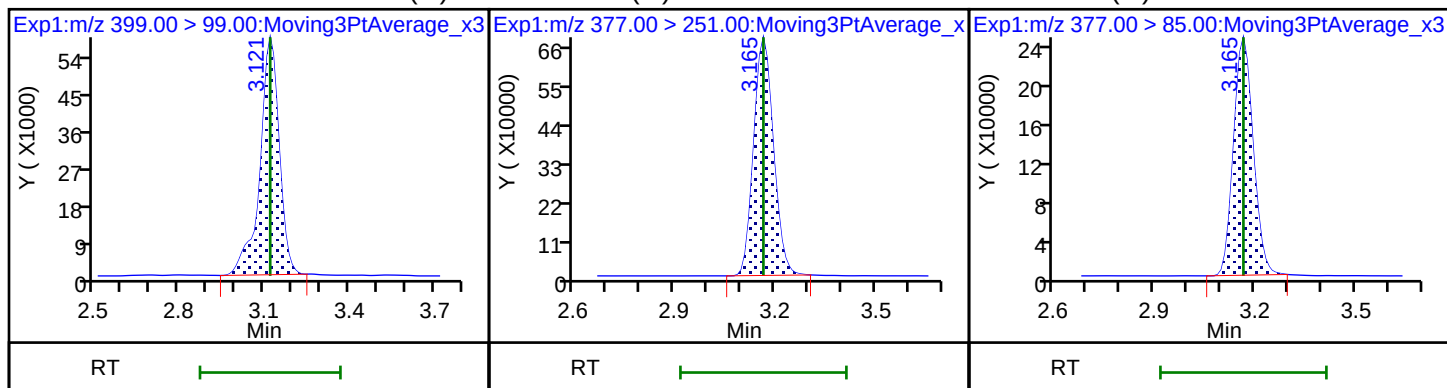
8 Perfluorohexanesulfonic acid (M)



8 Perfluorohexanesulfonic acid (M)

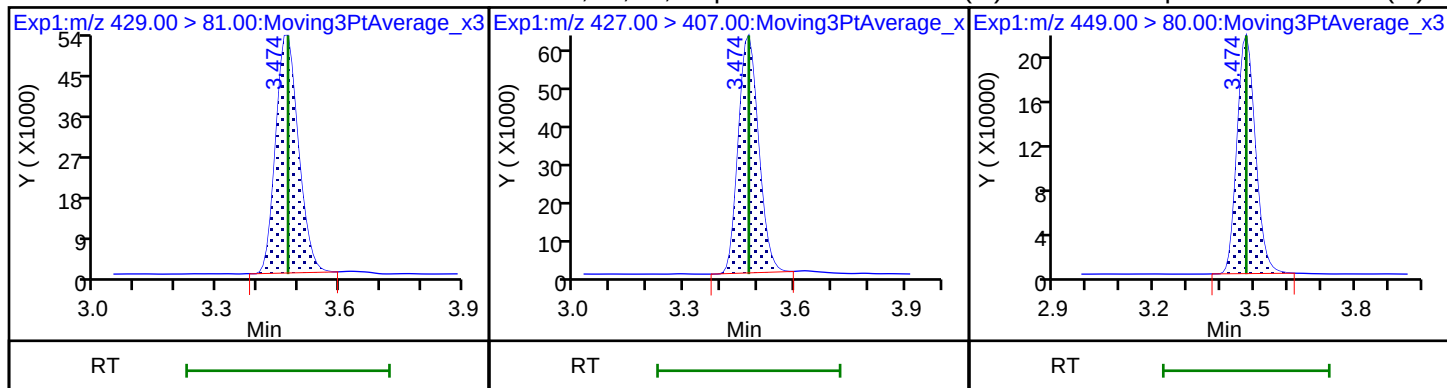
77 DONA (M)

77 DONA (M)



D 12 M2-6:2 FTS

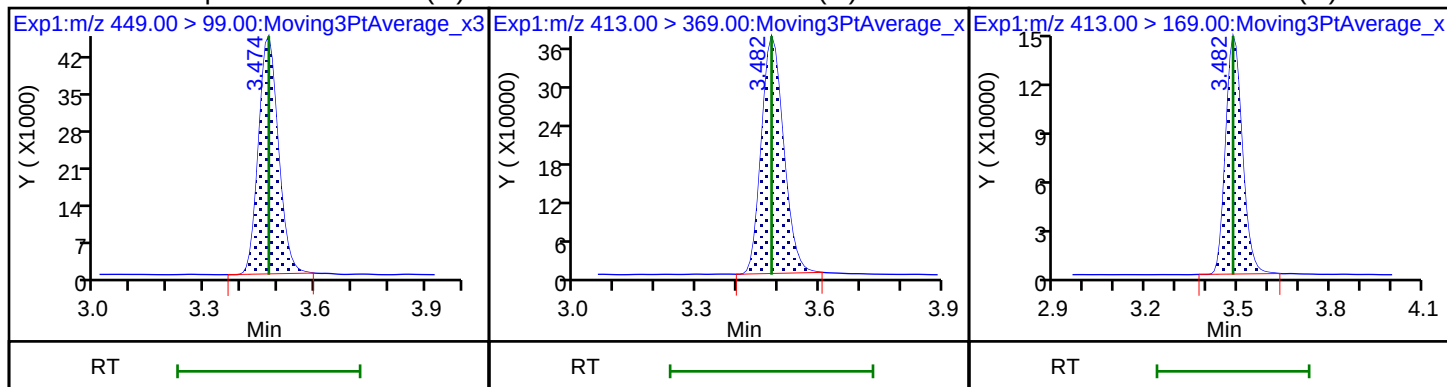
13 1H,1H,2H,2H-perfluorooctanesulfo (M) 16 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M)

15 Perfluorooctanoic acid (M)

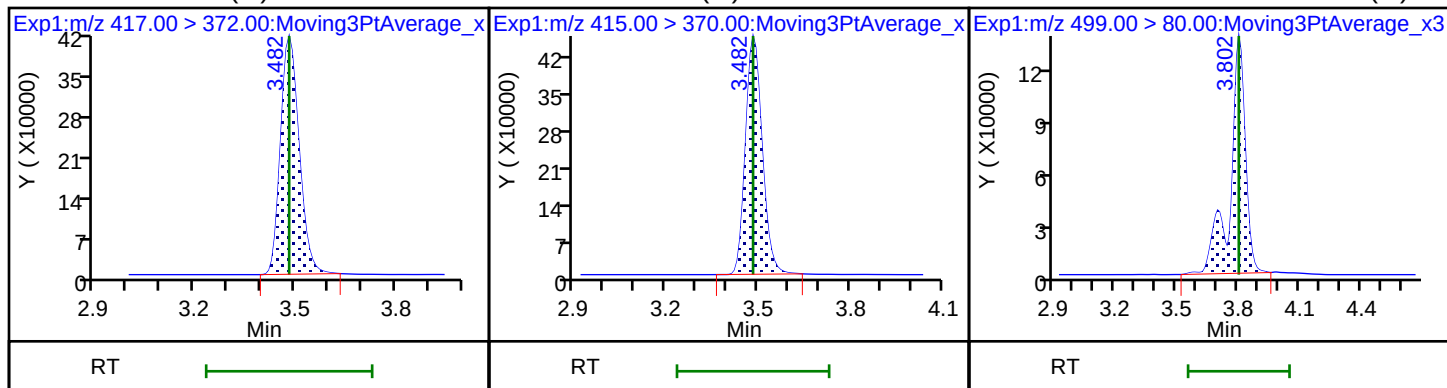
15 Perfluorooctanoic acid (M)



D 14 13C4 PFOA (M)

* 62 13C2 PFOA (M)

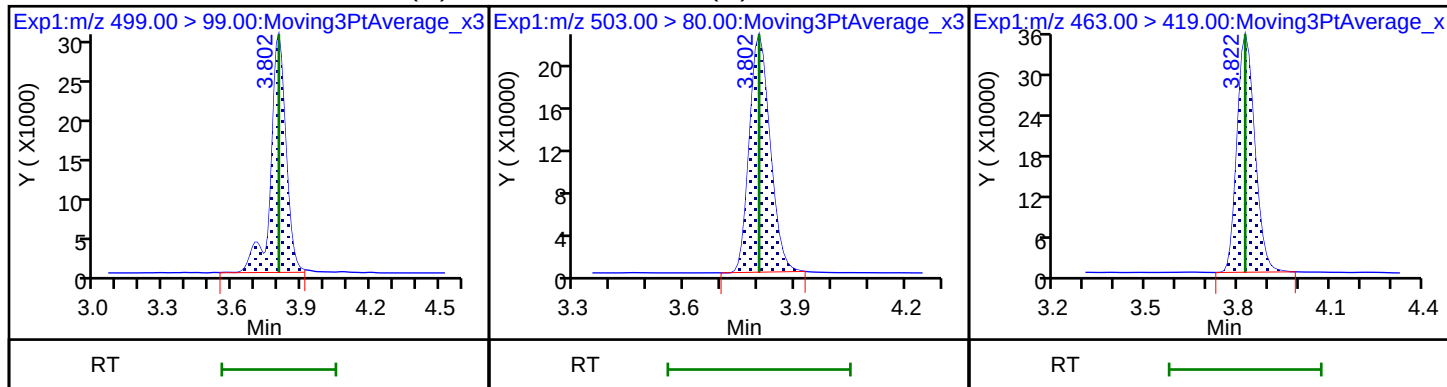
17 Perfluorooctanesulfonic acid (M)

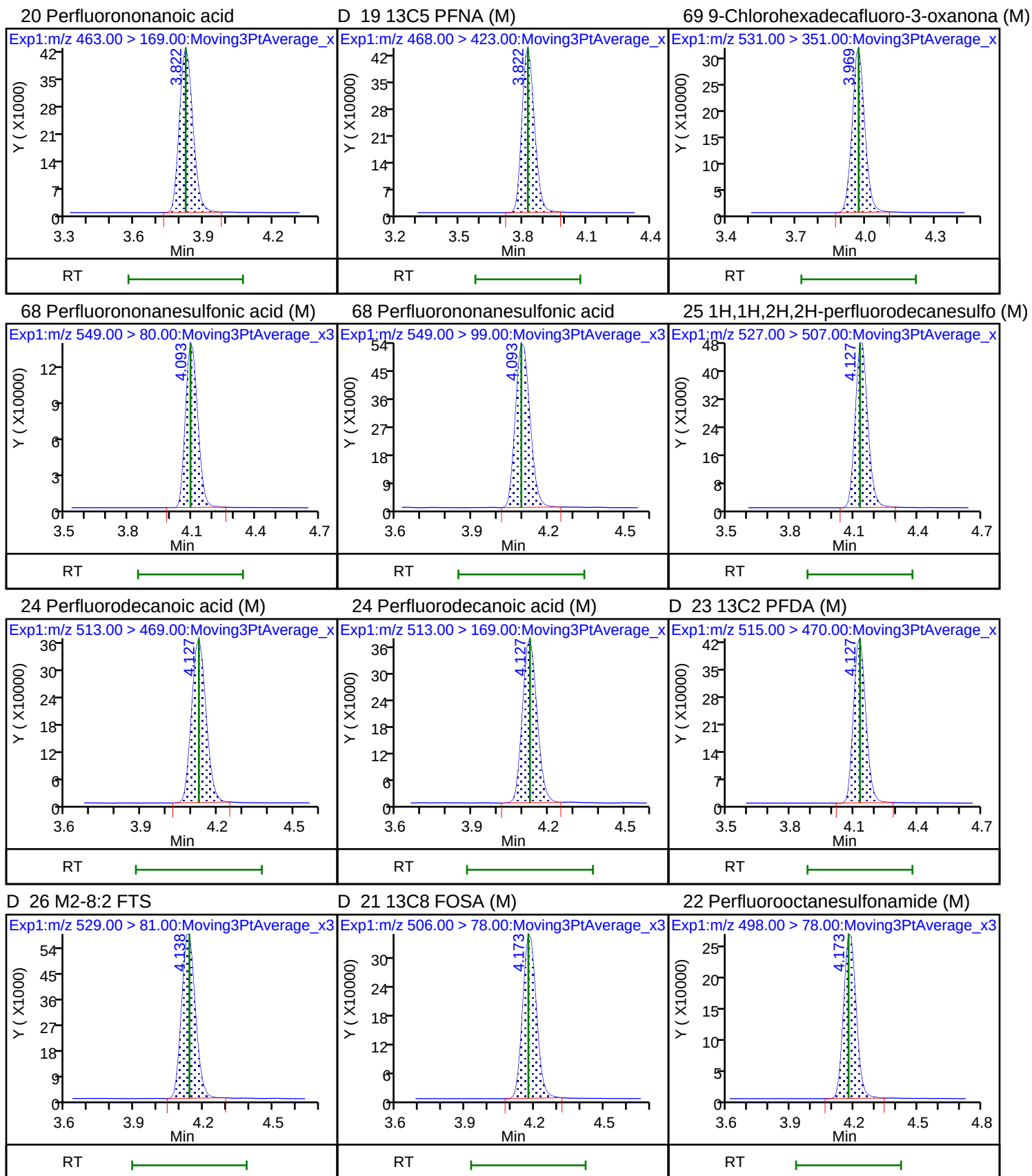


17 Perfluorooctanesulfonic acid (M)

D 18 13C4 PFOS (M)

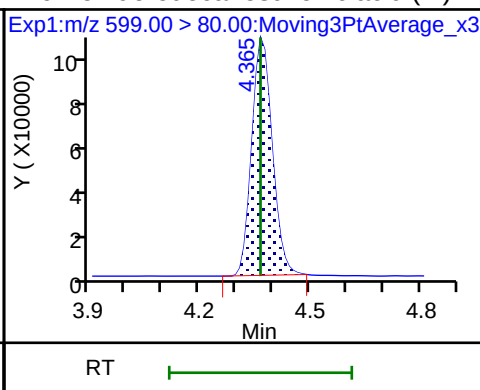
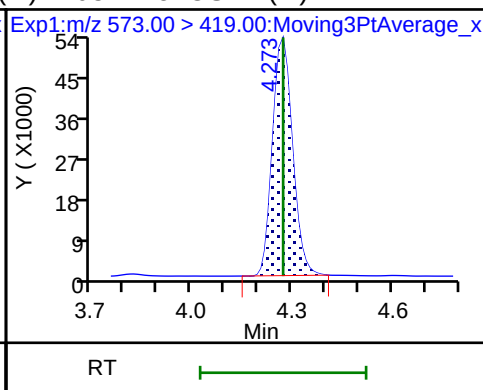
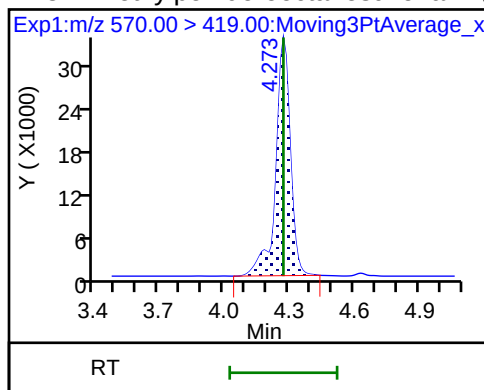
20 Perfluorononanoic acid





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

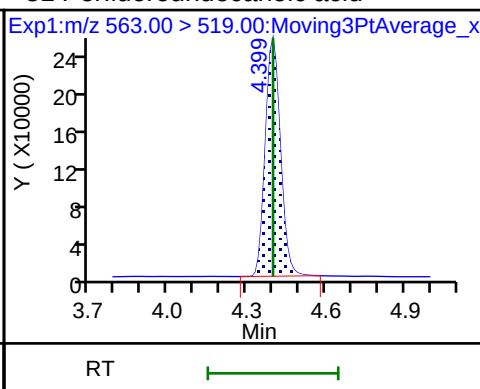
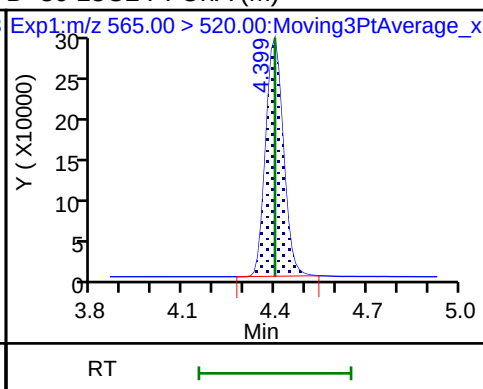
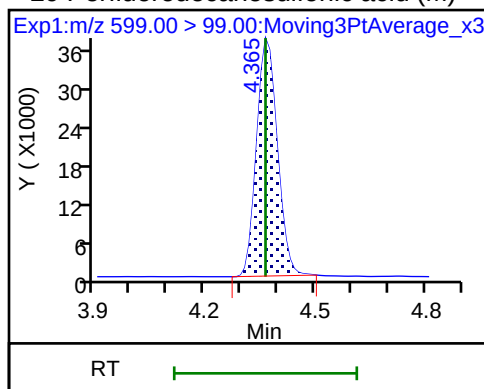
29 Perfluorodecanesulfonic acid (M)



29 Perfluorodecanesulfonic acid (M)

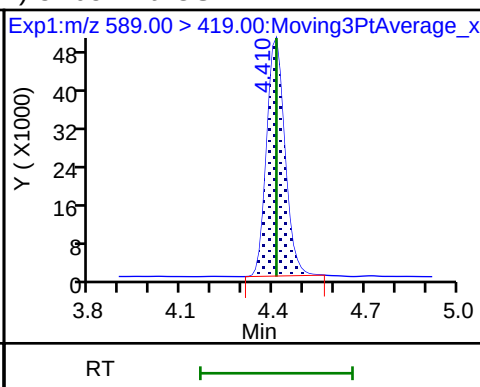
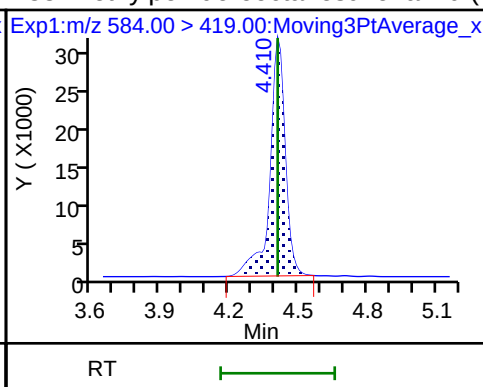
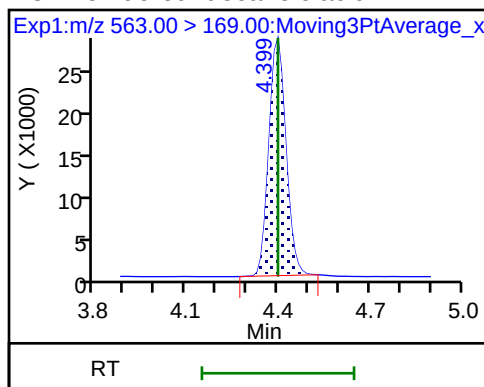
D 30 13C2 PFUnA (M)

31 Perfluoroundecanoic acid



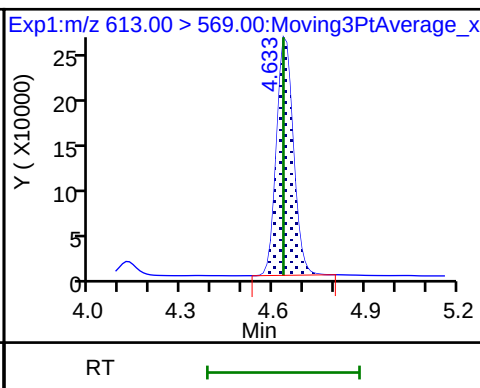
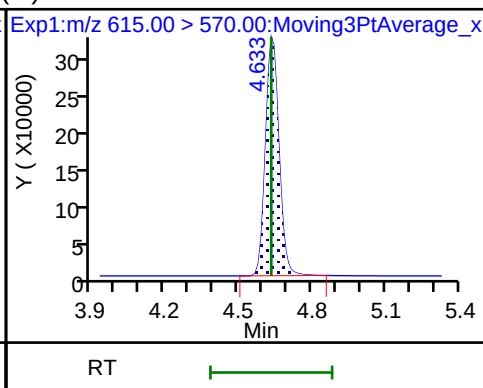
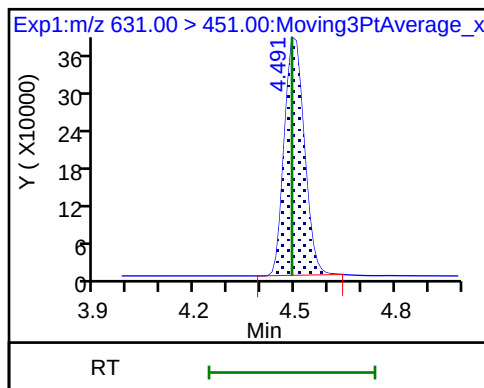
31 Perfluoroundecanoic acid

33 N-ethylperfluorooctanesulfonamid (M) 32 d5-NEtFOSAA

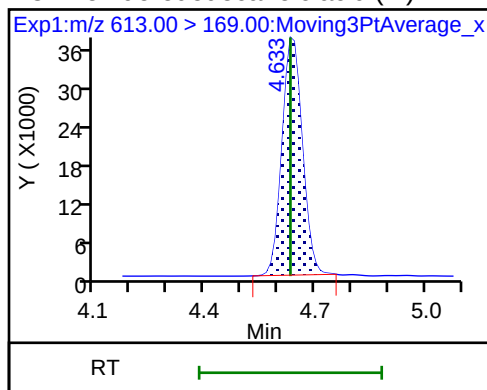


66 11-Chloroeicosafluoro-3-oxaundec (M) 36 13C2 PFDaA

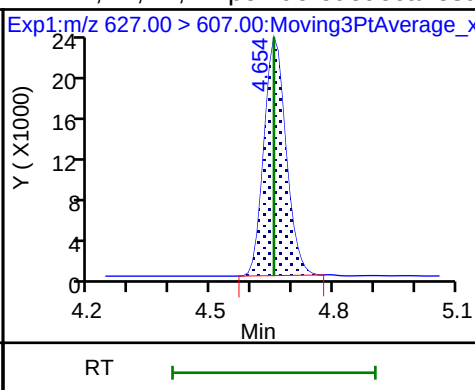
37 Perfluorododecanoic acid



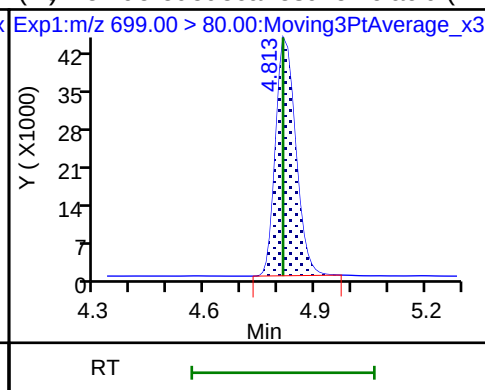
37 Perfluorododecanoic acid (M)



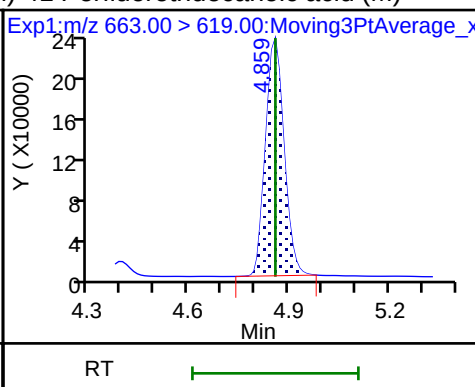
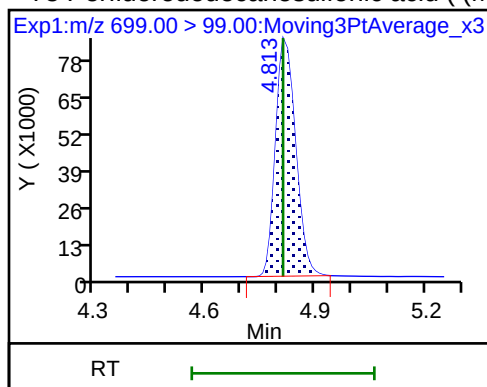
74 1H,1H,2H,2H-perfluorododecanesul (M)



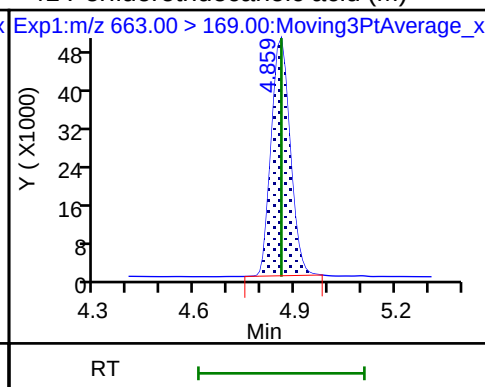
75 Perfluorododecanesulfonic acid (M)



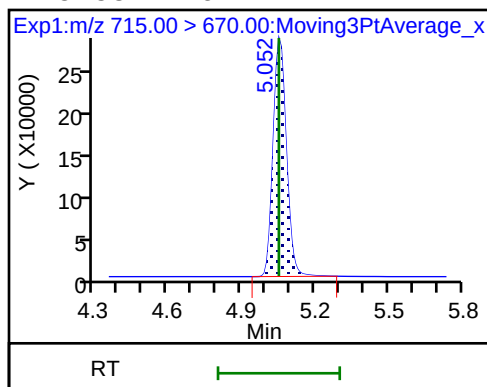
75 Perfluorododecanesulfonic acid (M) 41 Perfluorotridecanoic acid (M)



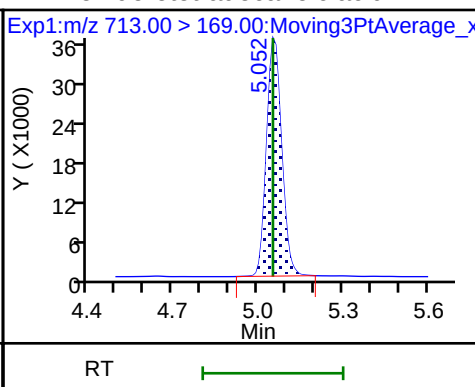
41 Perfluorotridecanoic acid (M)



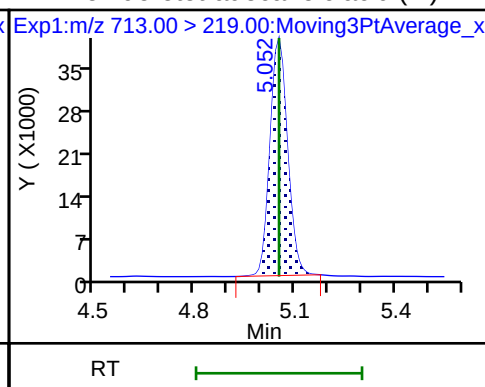
D 43 13C2 PFTeDA



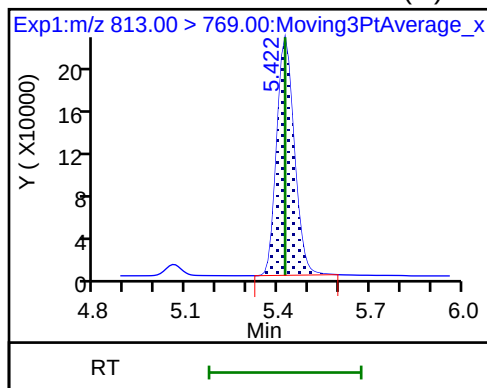
42 Perfluorotetradecanoic acid



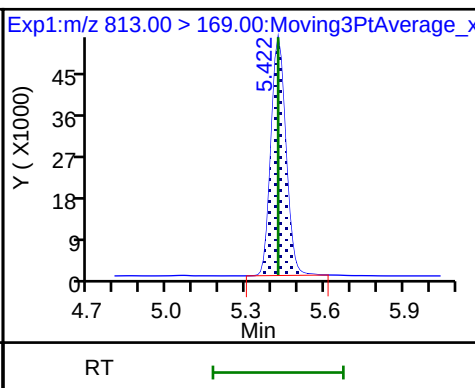
42 Perfluorotetradecanoic acid (M)



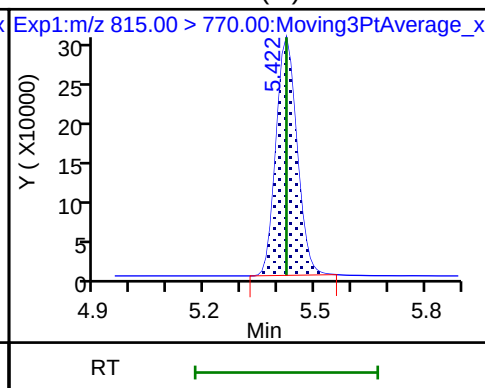
45 Perfluorohexadecanoic acid (M)



45 Perfluorohexadecanoic acid

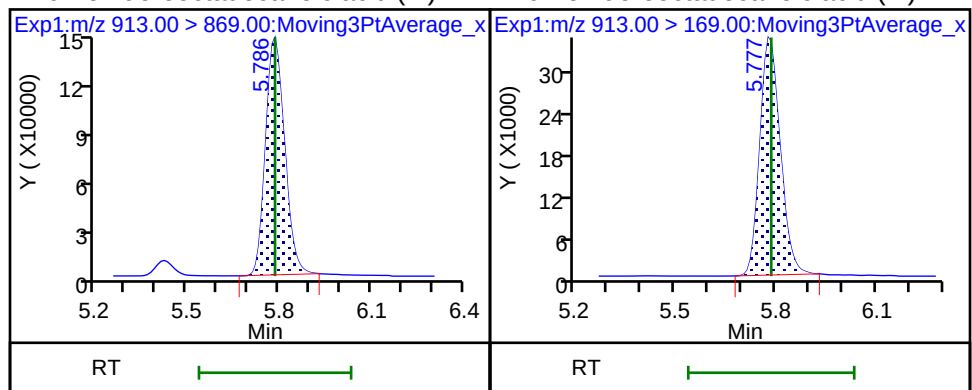


D 44 13C2 PFHxDA (M)



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

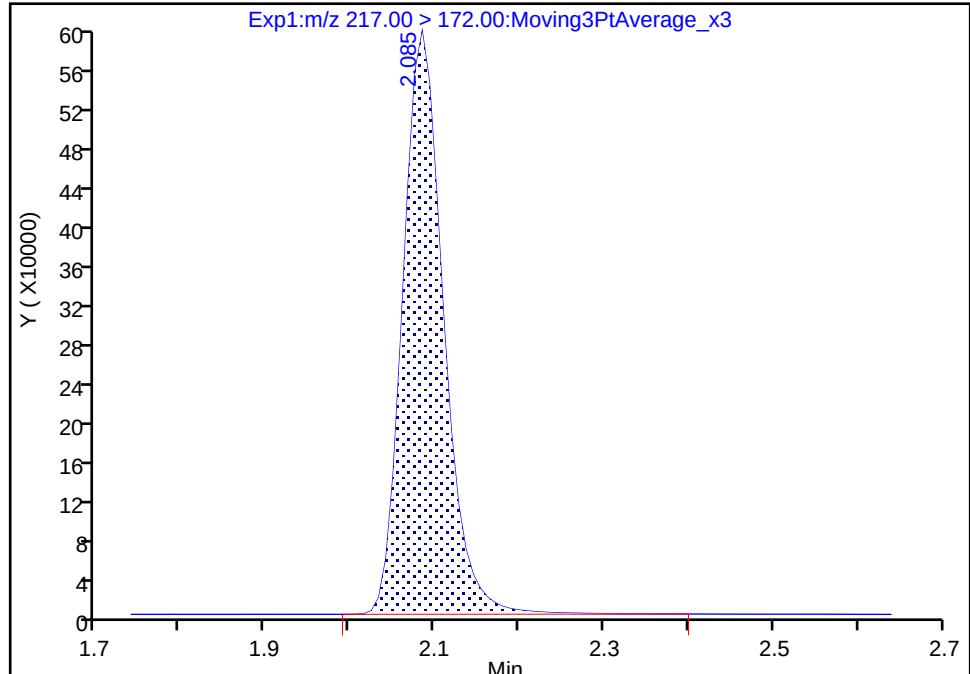
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 1 13C4 PFBA, CAS: STL00992

Signal: 1

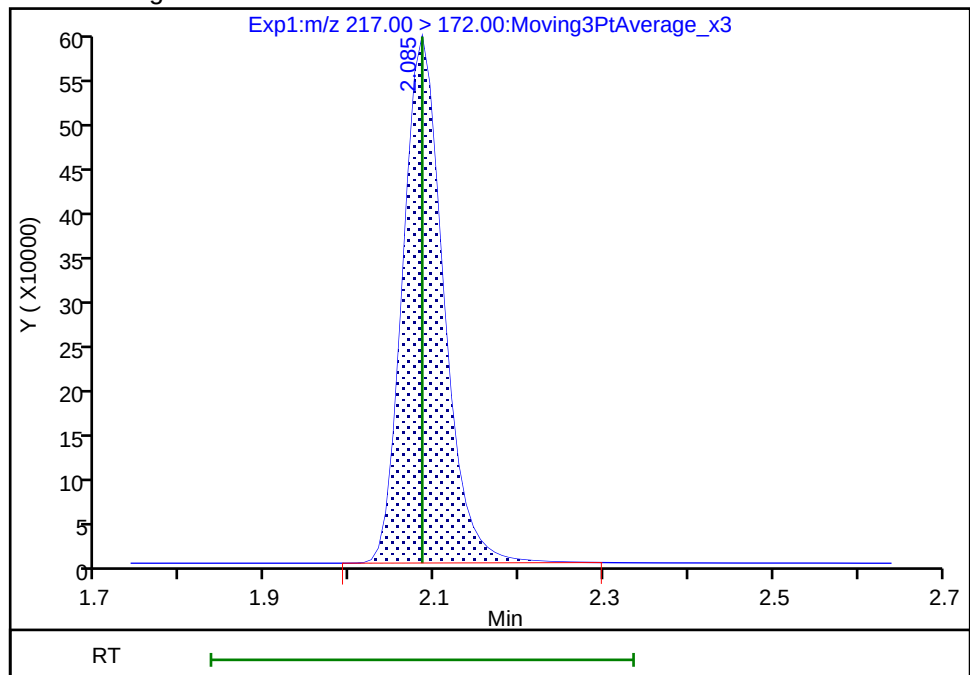
RT: 2.08
Area: 1995913
Amount: 1.269976
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 1990166
Amount: 1.234104
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:45:58
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

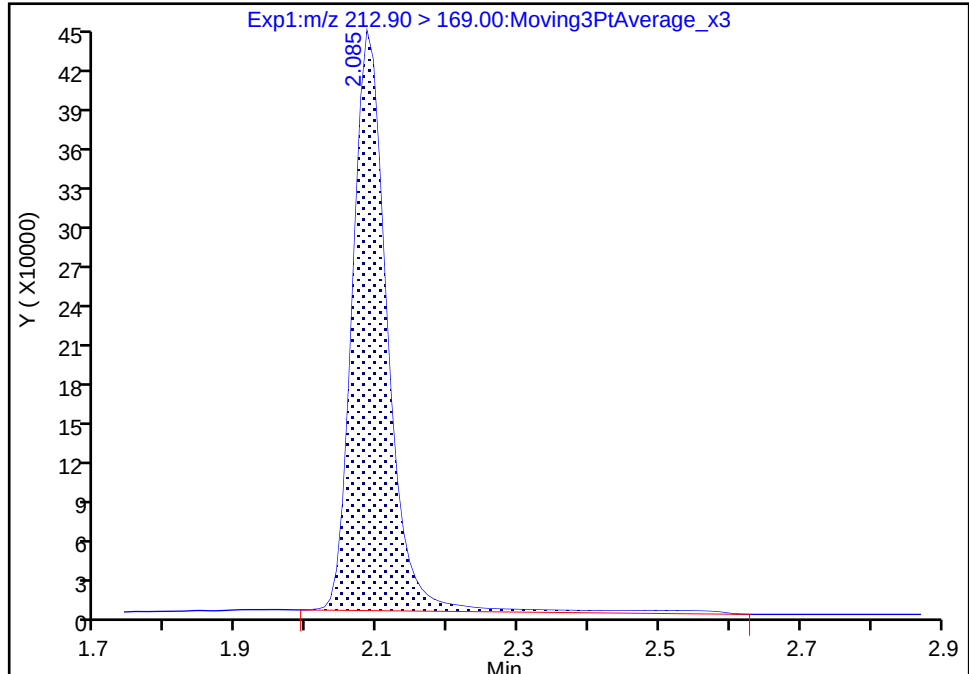
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

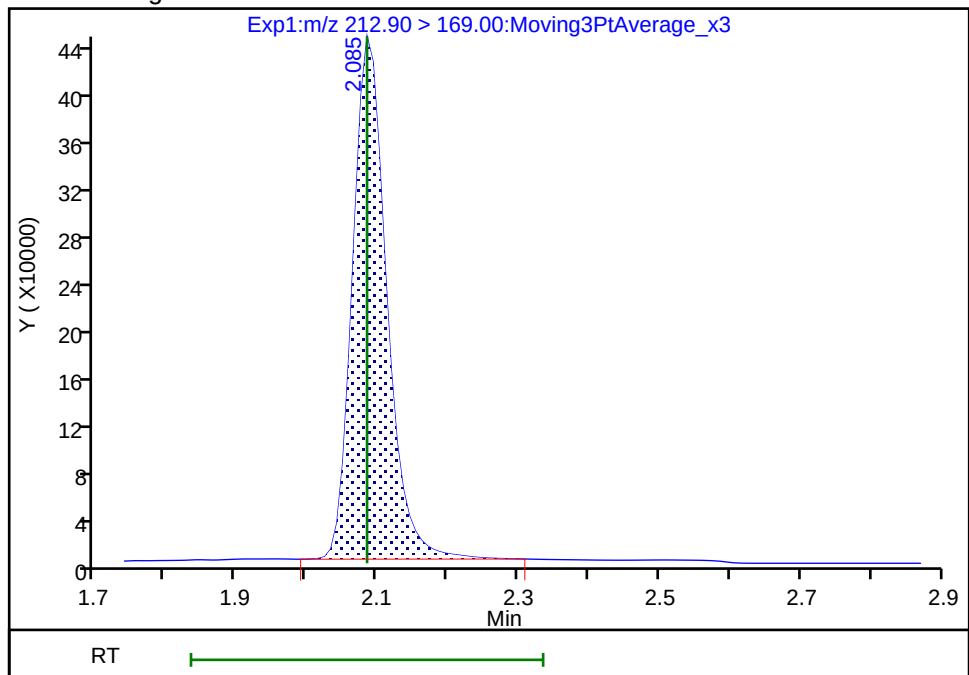
RT: 2.08
Area: 1534489
Amount: 0.983938
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 1485378
Amount: 0.962110
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:46:02

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

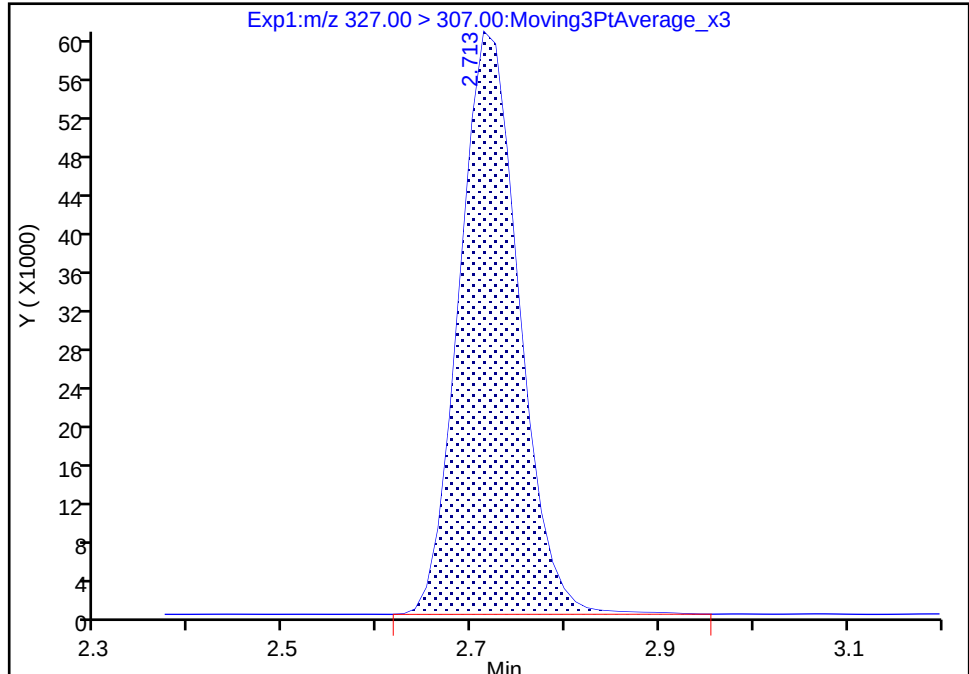
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

61 1H,1H,2H,2H-perfluorohexanesulfo, CAS: 757124-72-4

Signal: 1

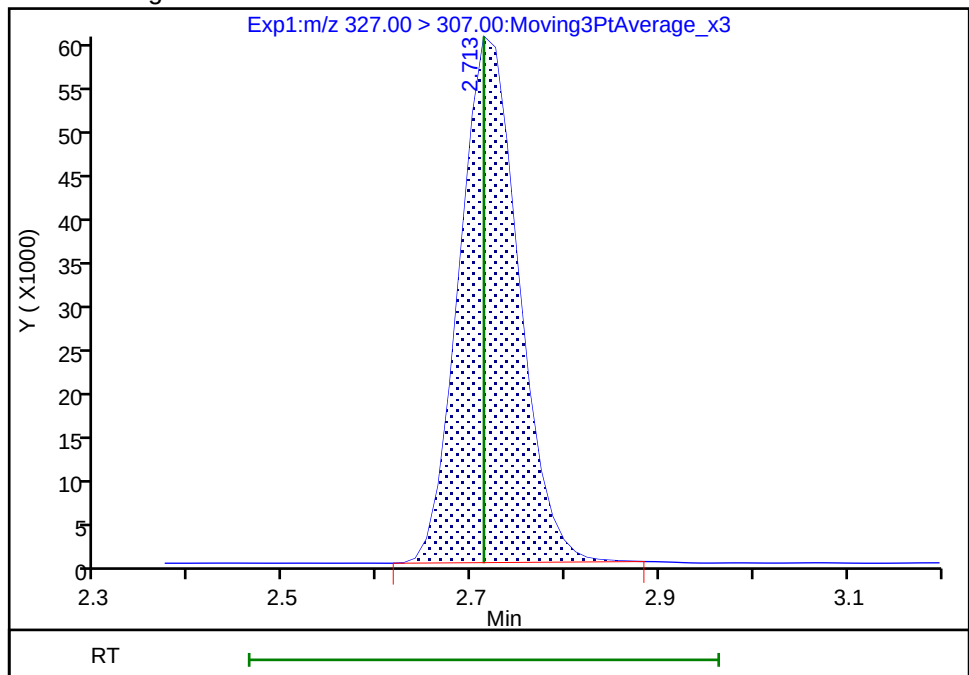
RT: 2.71
Area: 266530
Amount: 0.925627
Amount Units: ng/ml

Processing Integration Results



RT: 2.71
Area: 264719
Amount: 0.934717
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:46:17
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

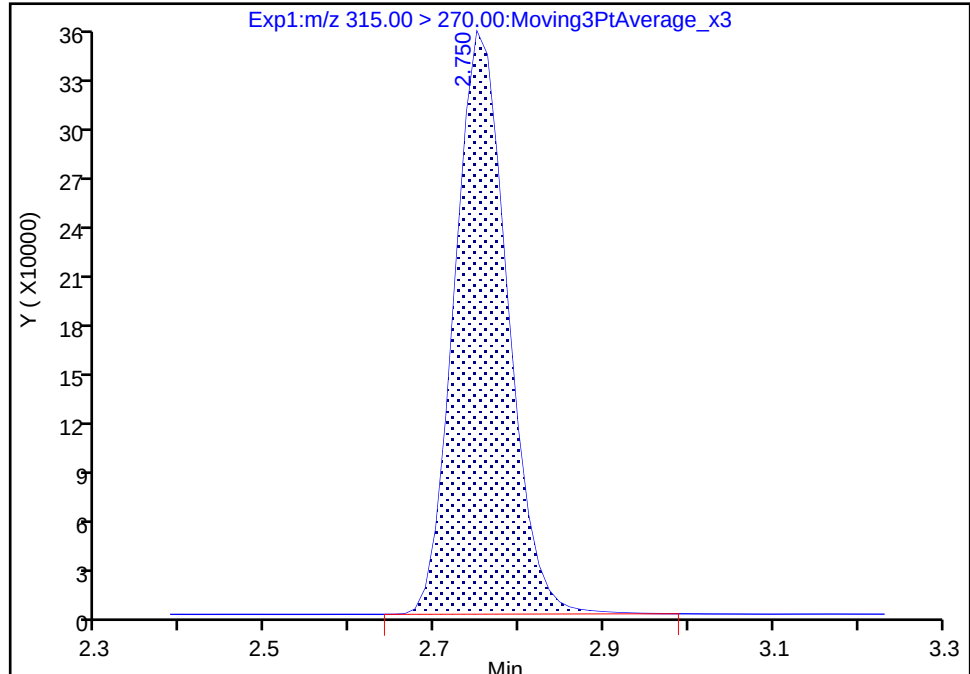
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 7 13C2 PFHxA, CAS: STL00993

Signal: 1

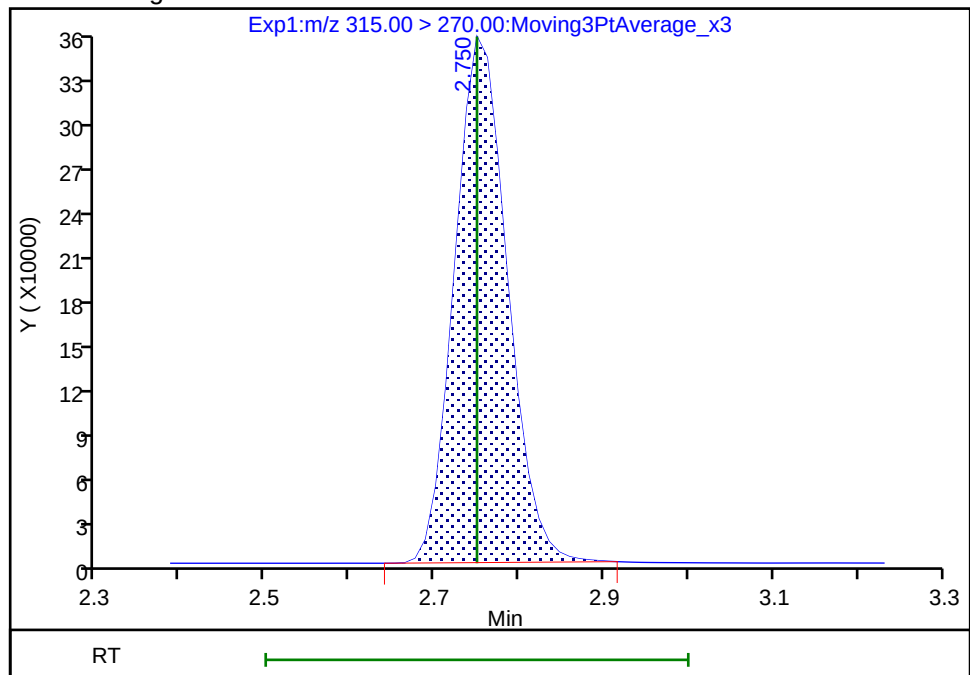
RT: 2.75
Area: 1553236
Amount: 1.282508
Amount Units: ng/ml

Processing Integration Results



RT: 2.75
Area: 1545822
Amount: 1.248254
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:46:33

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

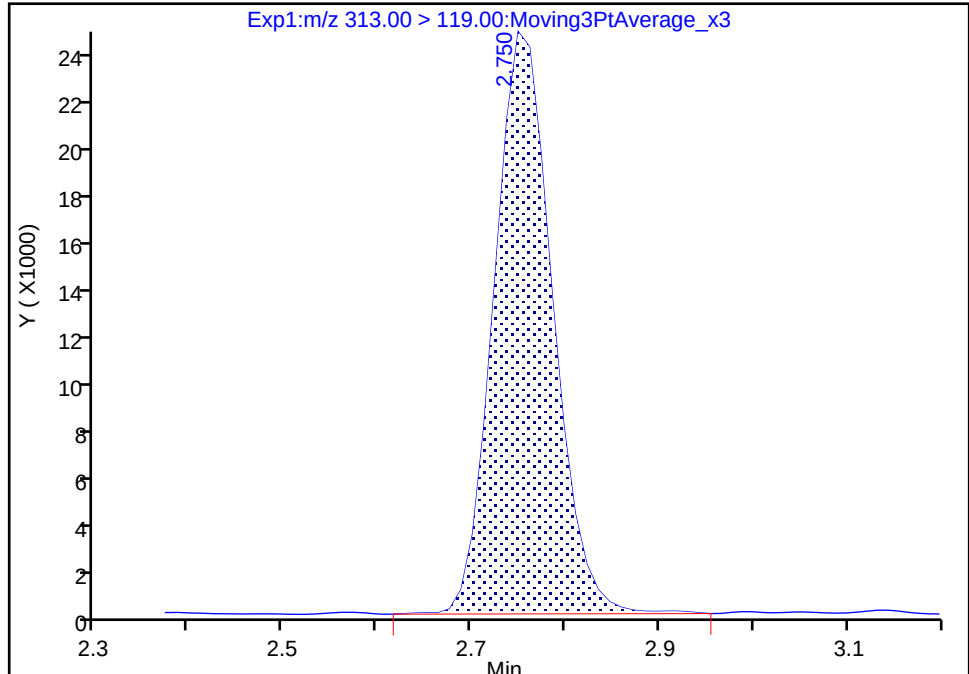
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

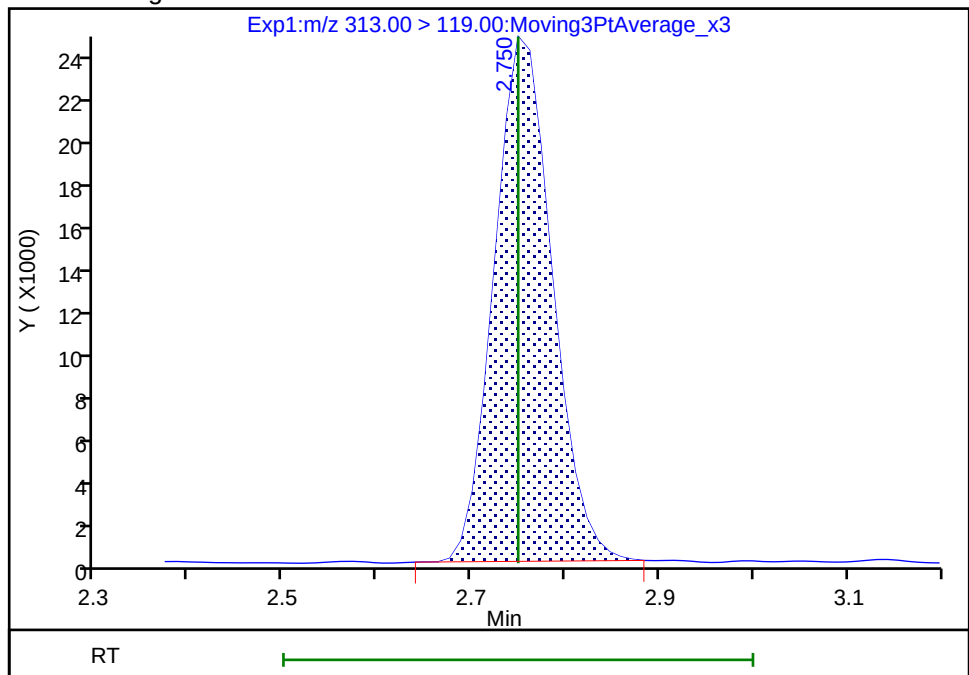
RT: 2.75
Area: 103808
Amount: 0.951516
Amount Units: ng/ml

Processing Integration Results



RT: 2.75
Area: 102444
Amount: 0.971809
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:46:38
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

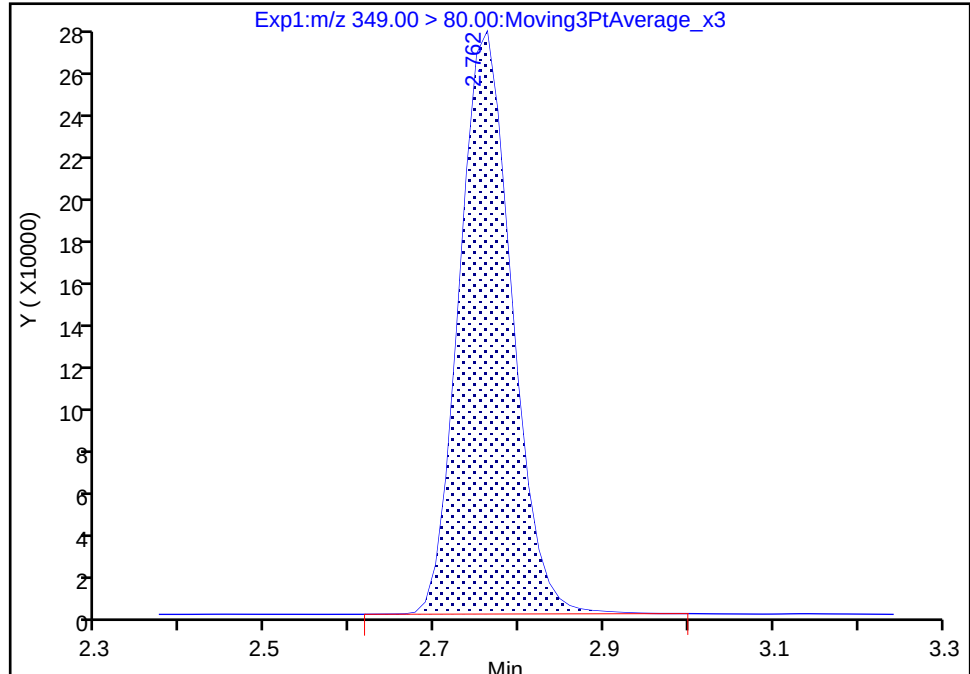
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 1

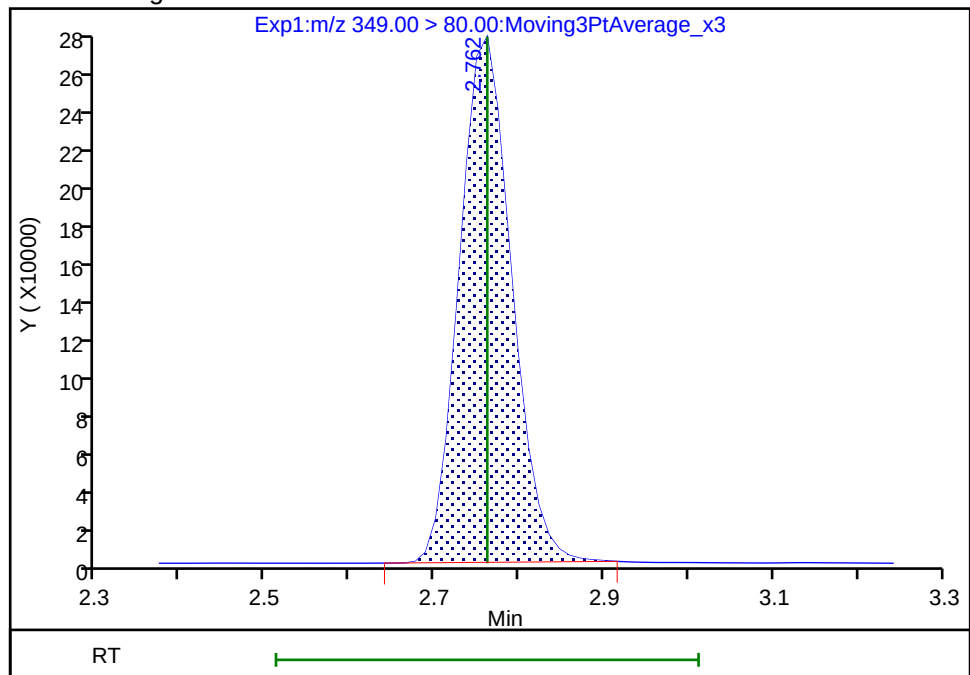
RT: 2.76
Area: 1194607
Amount: 0.908452
Amount Units: ng/ml

Processing Integration Results



RT: 2.76
Area: 1187688
Amount: 0.902701
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:46:56
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

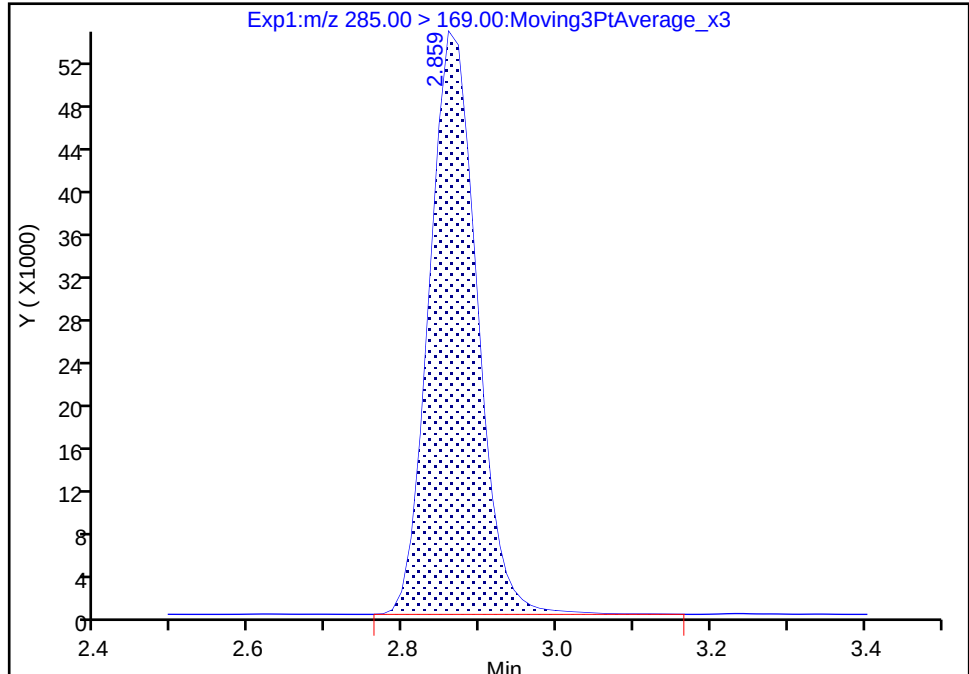
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

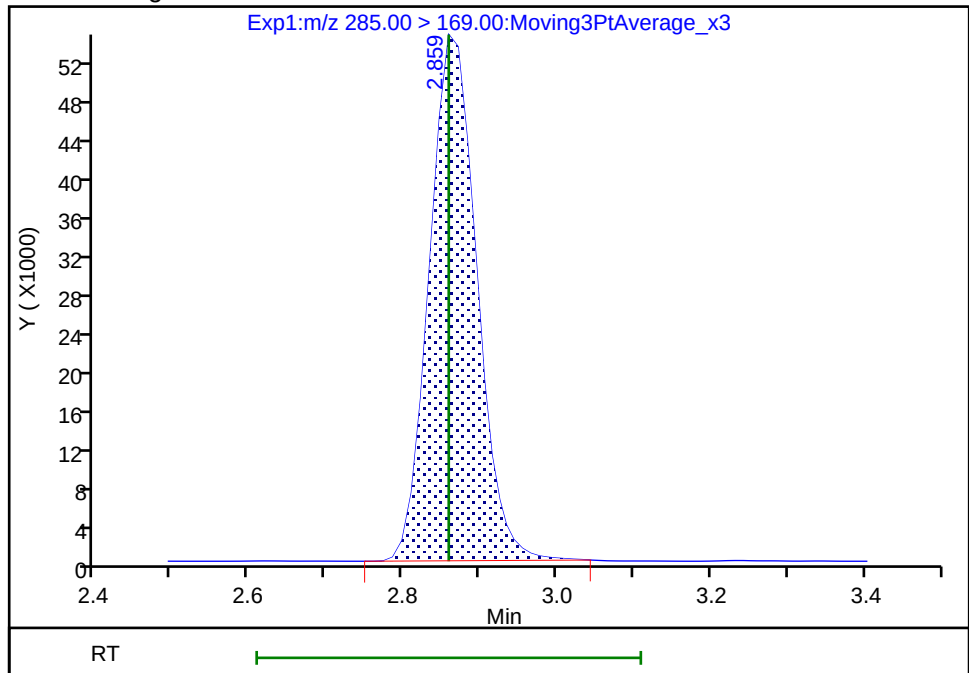
RT: 2.86
Area: 235824
Amount: 0.953853
Amount Units: ng/ml

Processing Integration Results



RT: 2.86
Area: 234481
Amount: 0.958886
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:47:00
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

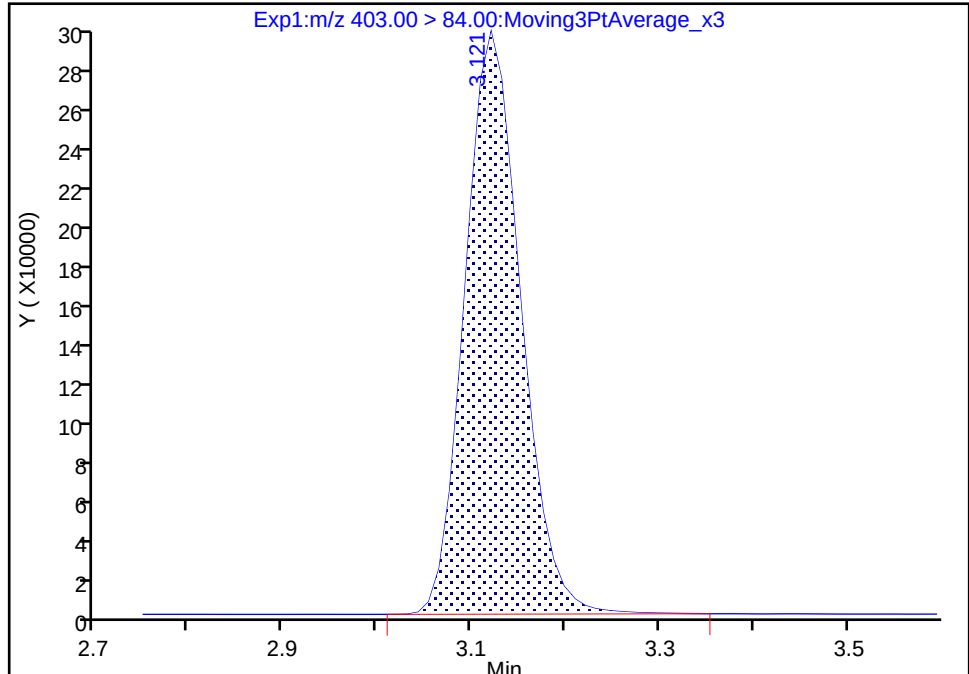
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 11 18O2 PFHxS, CAS: STL00994

Signal: 1

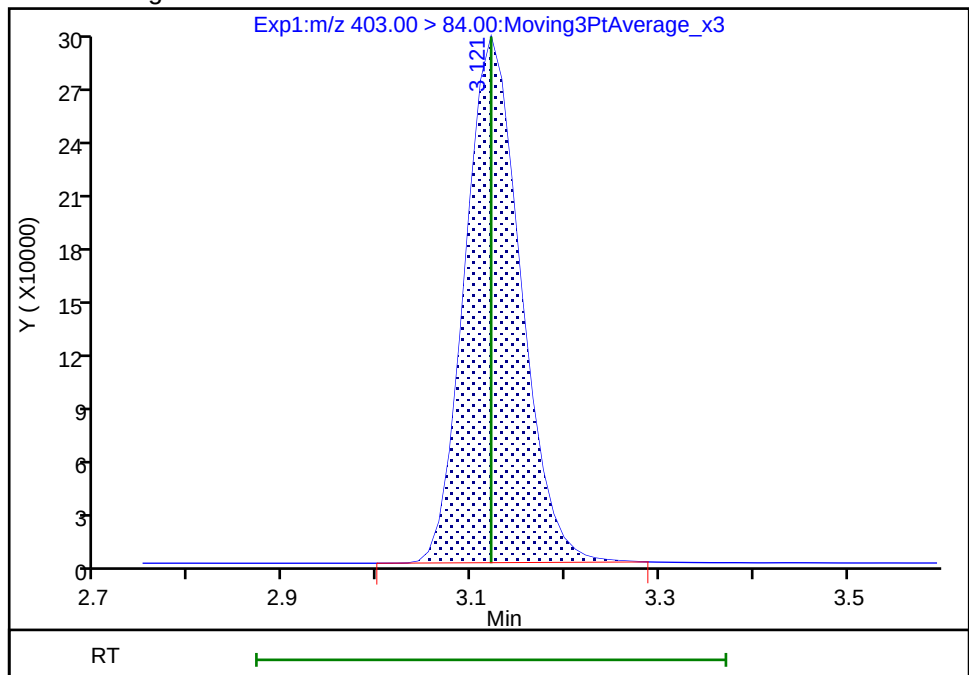
RT: 3.12
Area: 1204907
Amount: 1.095506
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 1199930
Amount: 1.188733
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:47:15
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

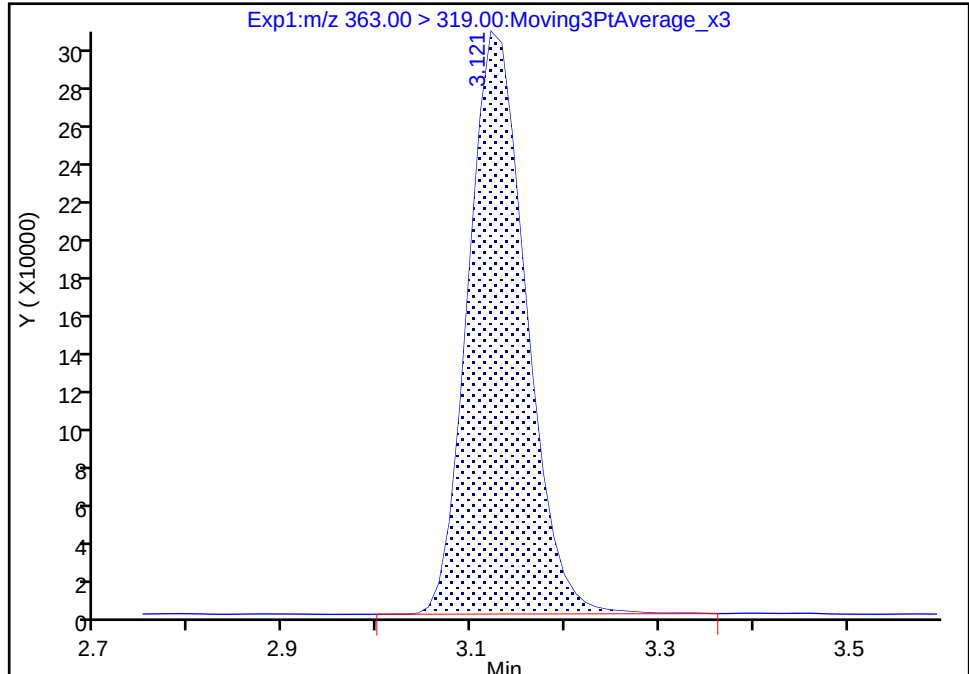
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

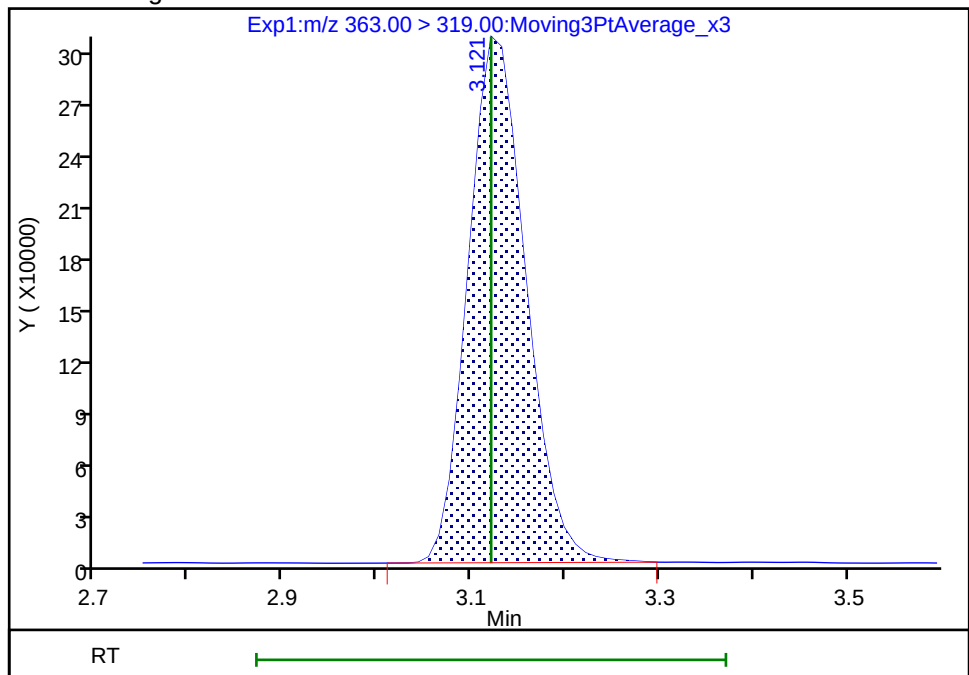
RT: 3.12
Area: 1293112
Amount: 0.991570
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 1289525
Amount: 0.987261
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:47:22
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

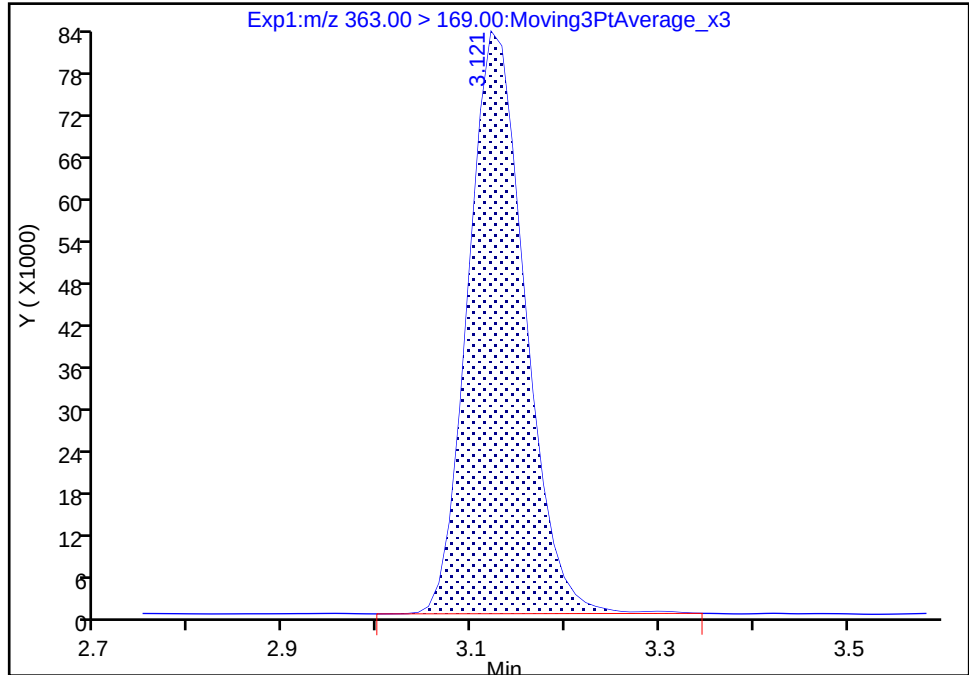
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

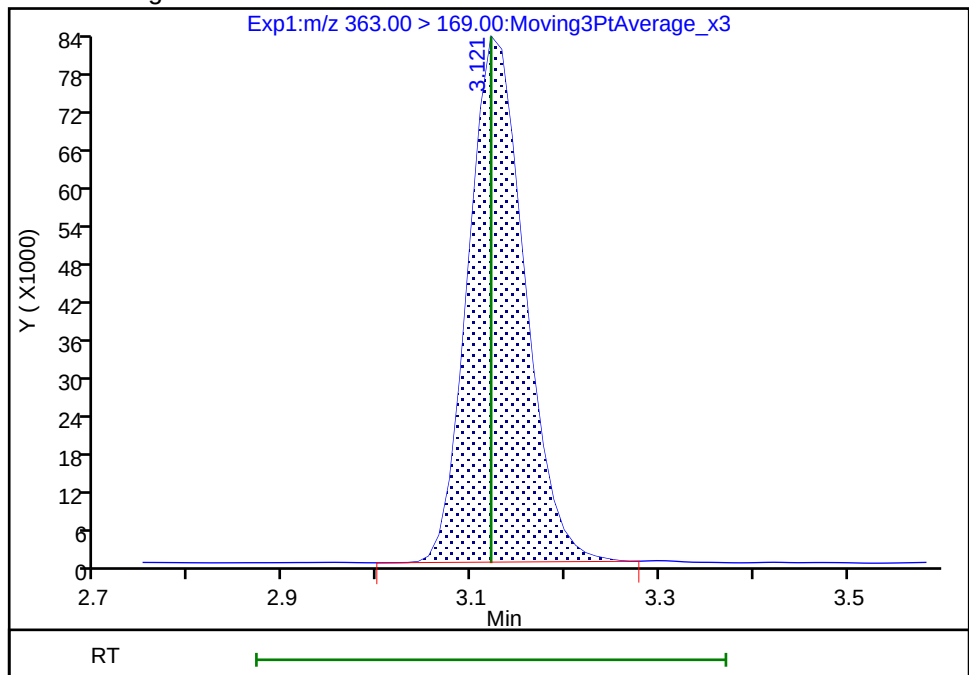
RT: 3.12
Area: 348331
Amount: 0.991570
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 346094
Amount: 0.987261
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:47:26

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

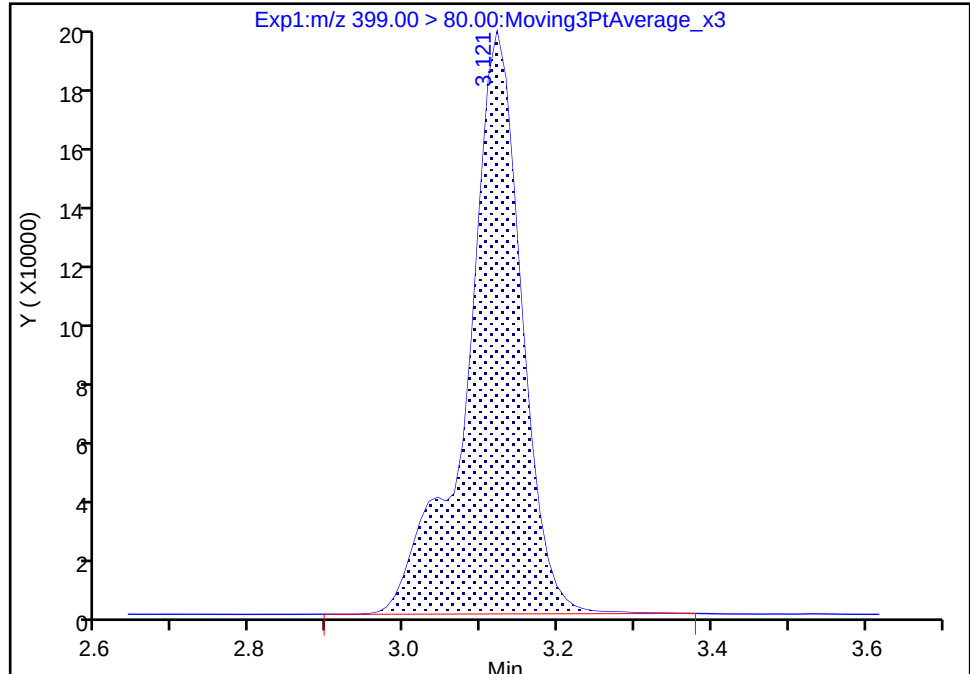
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

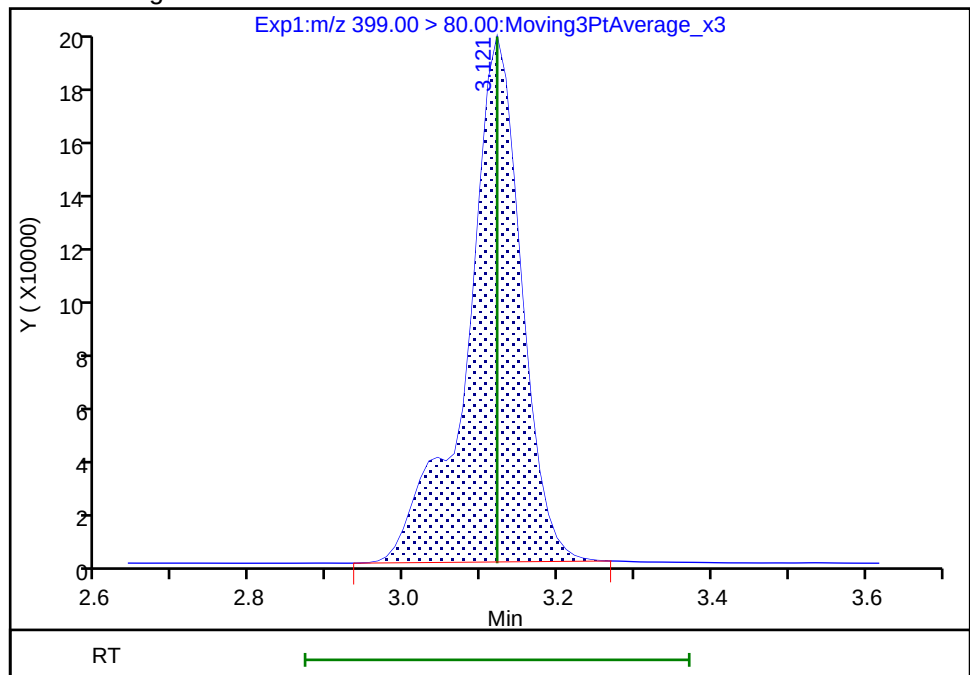
RT: 3.12
Area: 950604
Amount: 0.836981
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 943168
Amount: 0.842718
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:47:05
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

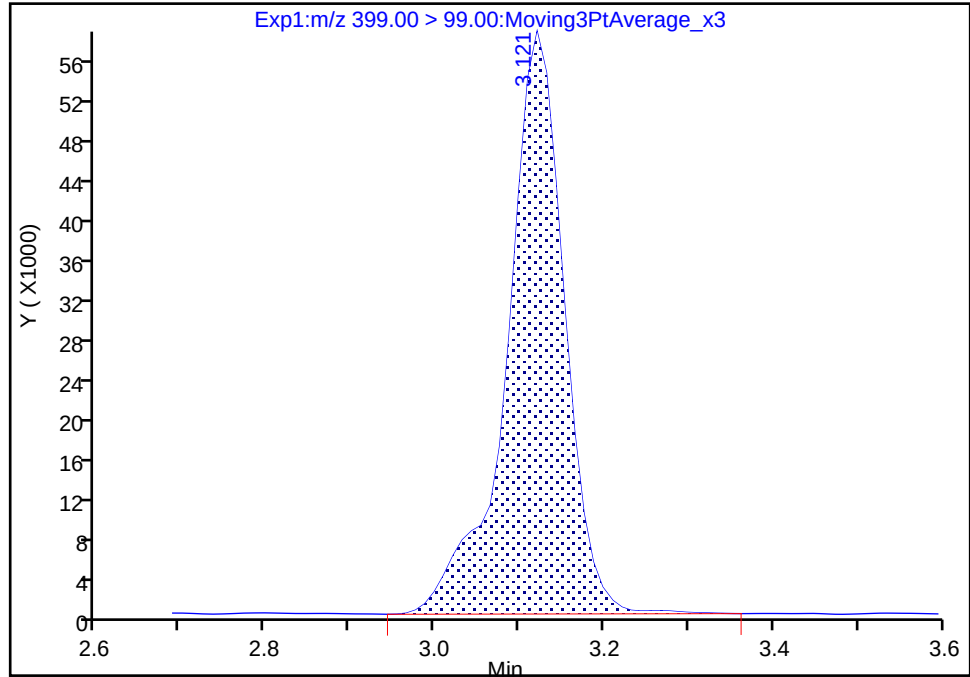
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

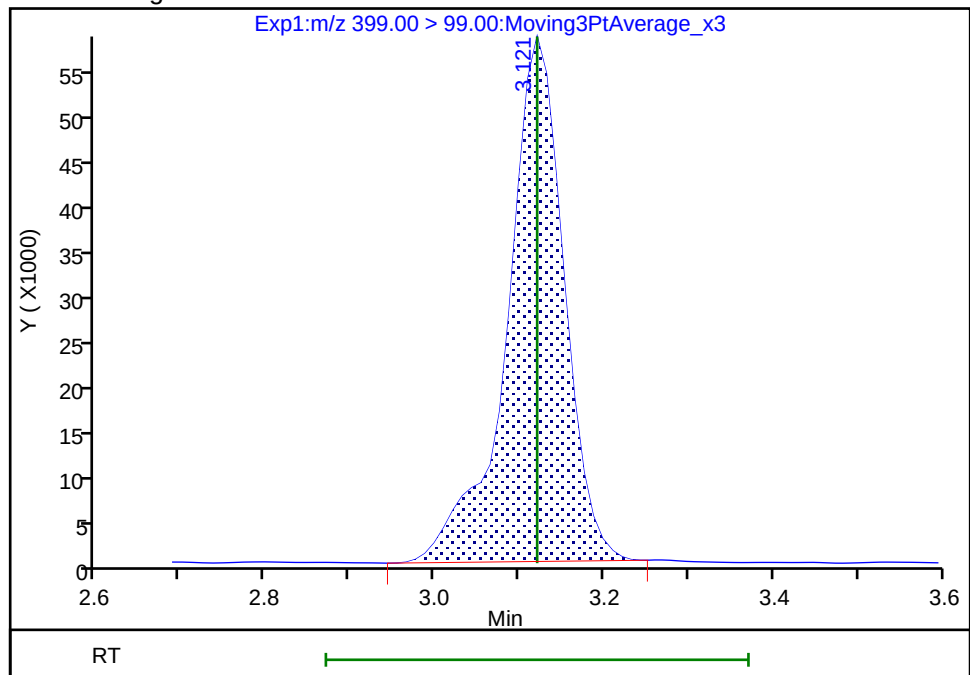
RT: 3.12
Area: 278112
Amount: 0.836981
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 274604
Amount: 0.842718
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:47:09

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

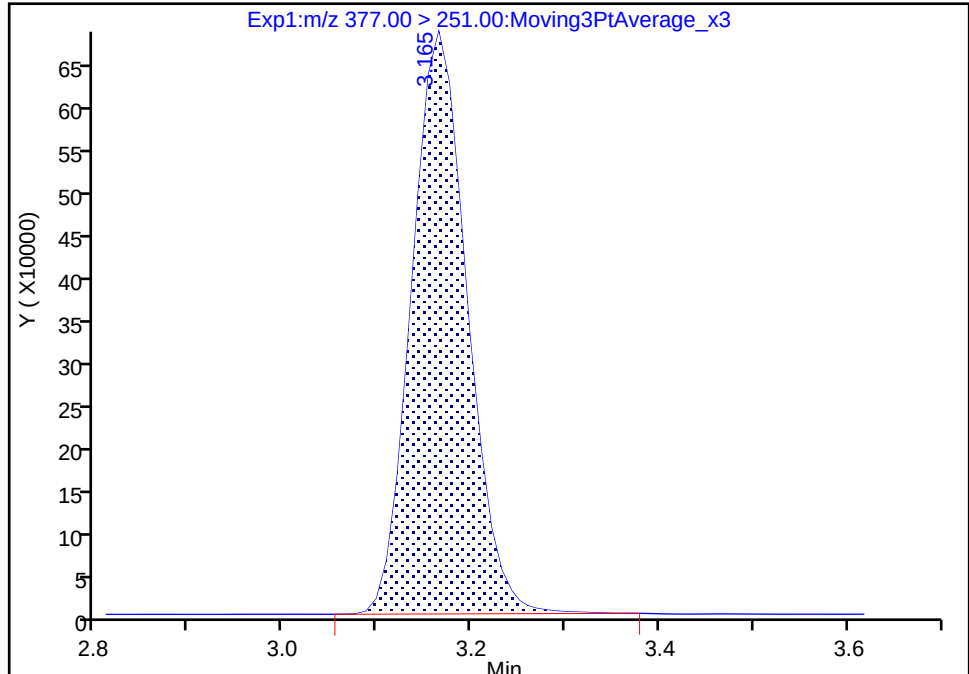
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

77 DONA, CAS: 919005-14-4

Signal: 1

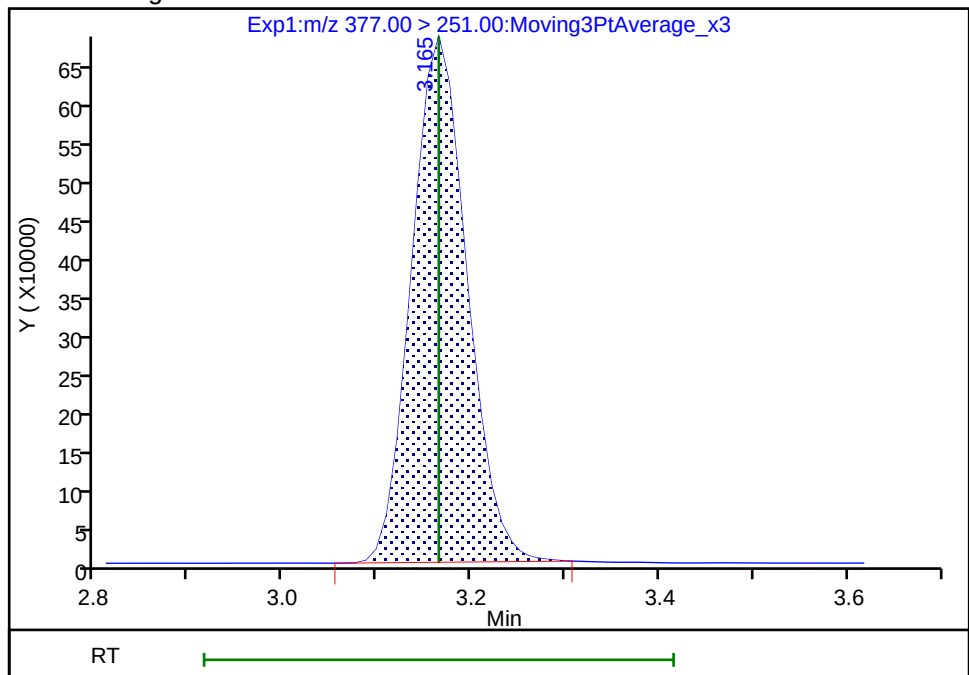
RT: 3.17
Area: 2829441
Amount: 0.996866
Amount Units: ng/ml

Processing Integration Results



RT: 3.17
Area: 2813092
Amount: 0.941062
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:47:34
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

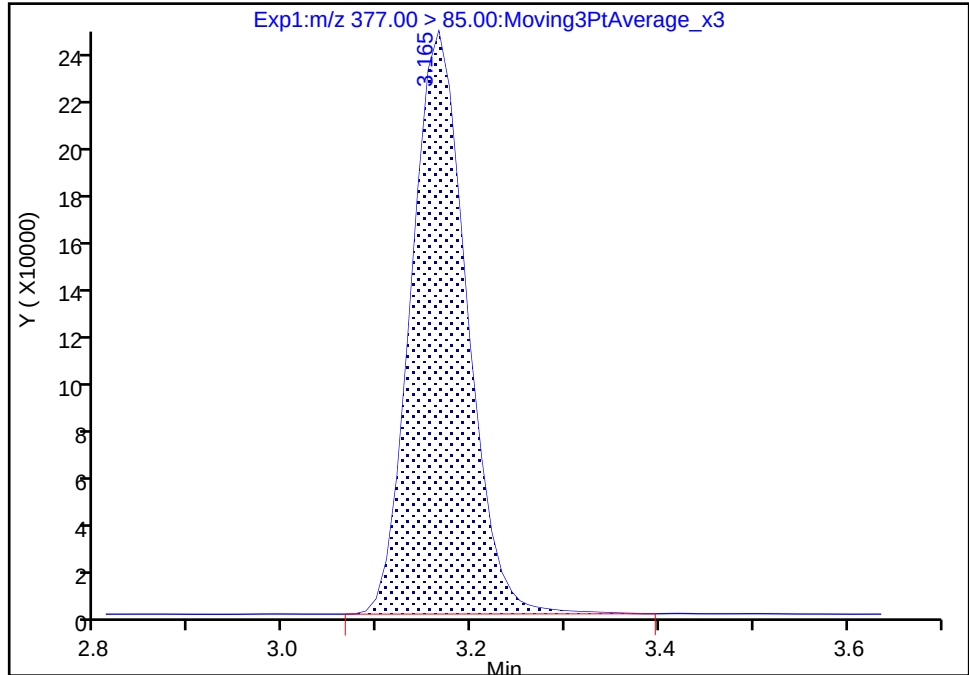
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

77 DONA, CAS: 919005-14-4

Signal: 2

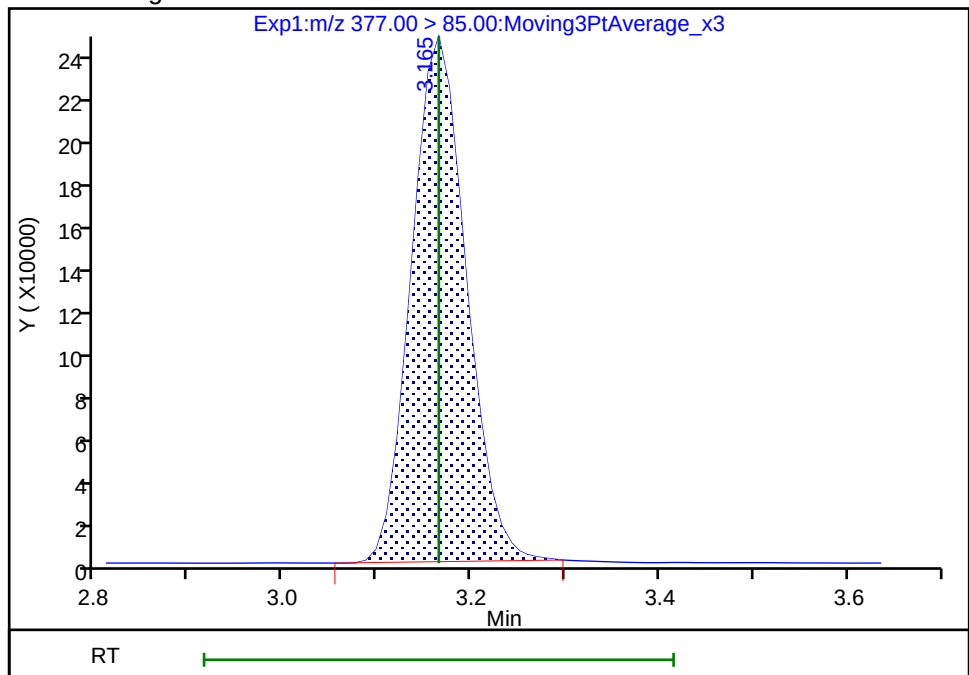
RT: 3.17
Area: 1004059
Amount: 0.996866
Amount Units: ng/ml

Processing Integration Results



RT: 3.17
Area: 991616
Amount: 0.941062
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:47:39

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

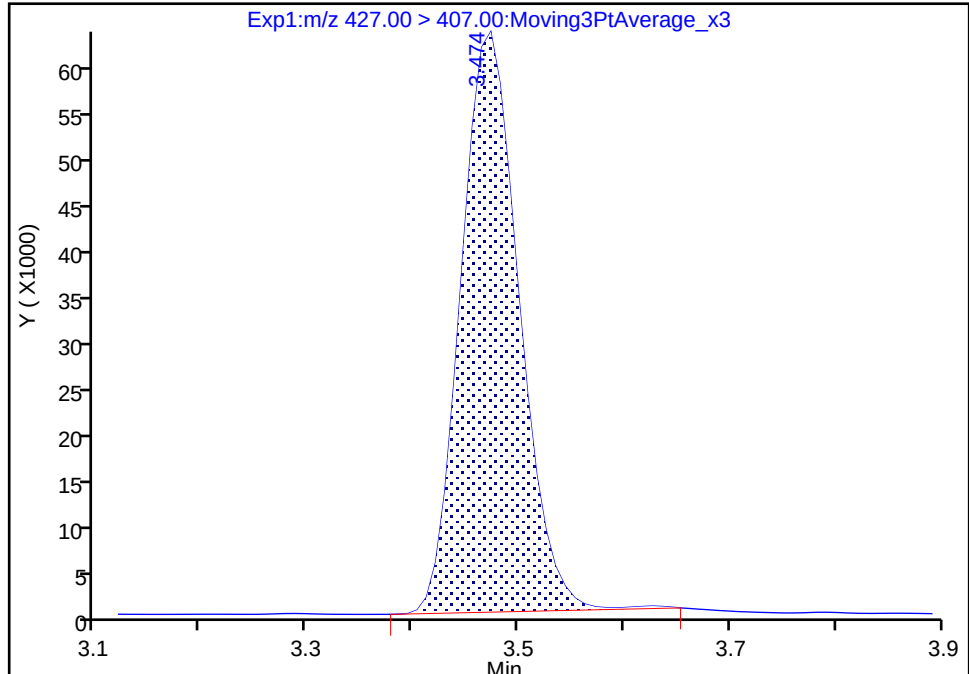
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

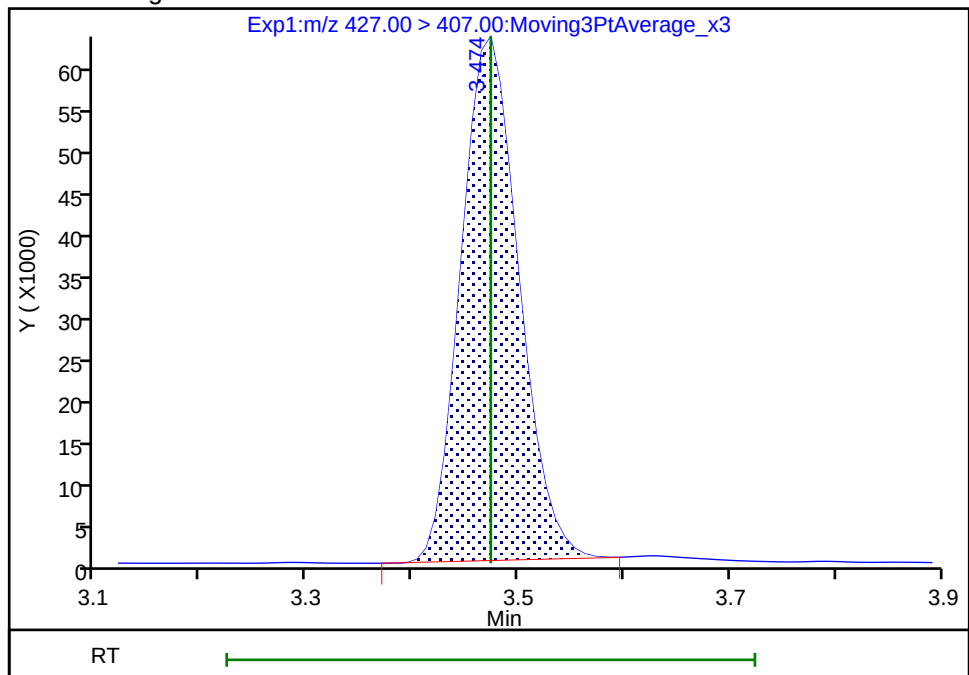
RT: 3.47
Area: 240740
Amount: 0.906039
Amount Units: ng/ml

Processing Integration Results



RT: 3.47
Area: 238899
Amount: 0.941783
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:47:56
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

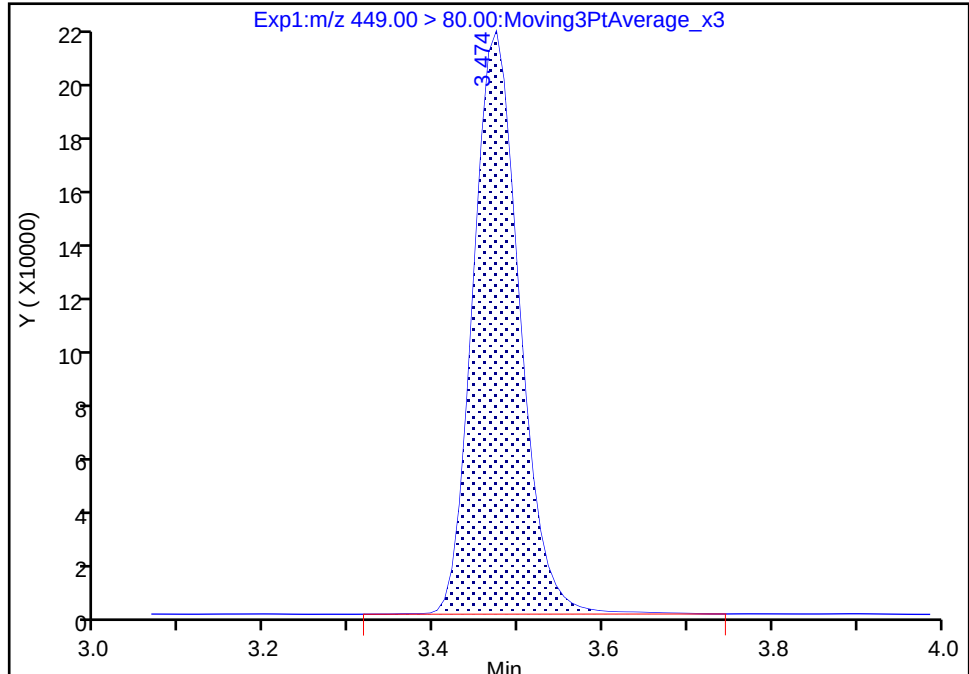
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

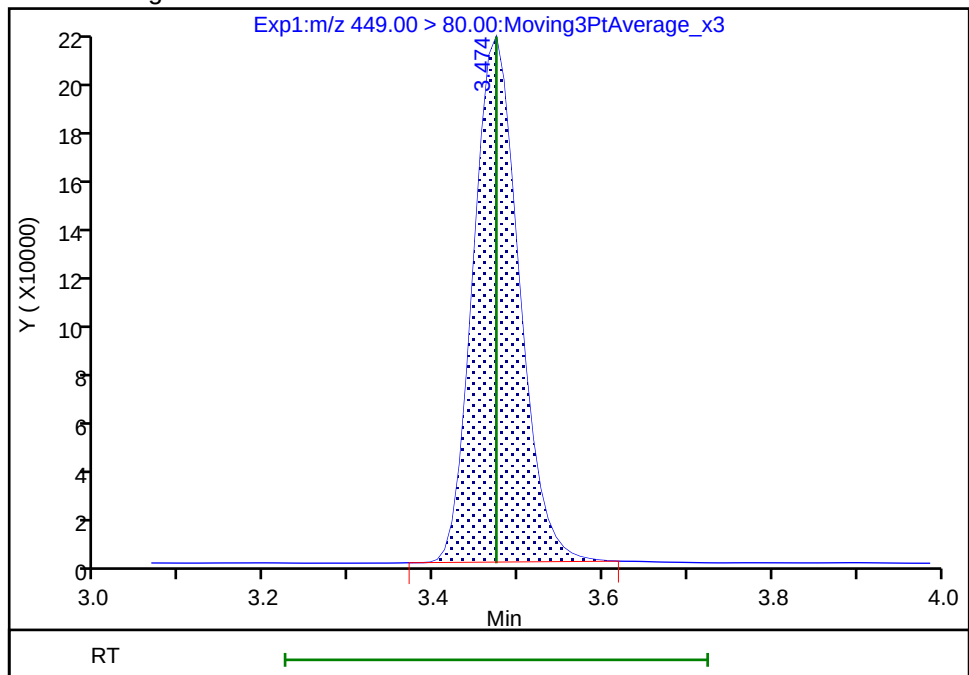
RT: 3.47
Area: 831292
Amount: 0.919262
Amount Units: ng/ml

Processing Integration Results



RT: 3.47
Area: 822025
Amount: 0.916355
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:47:46
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

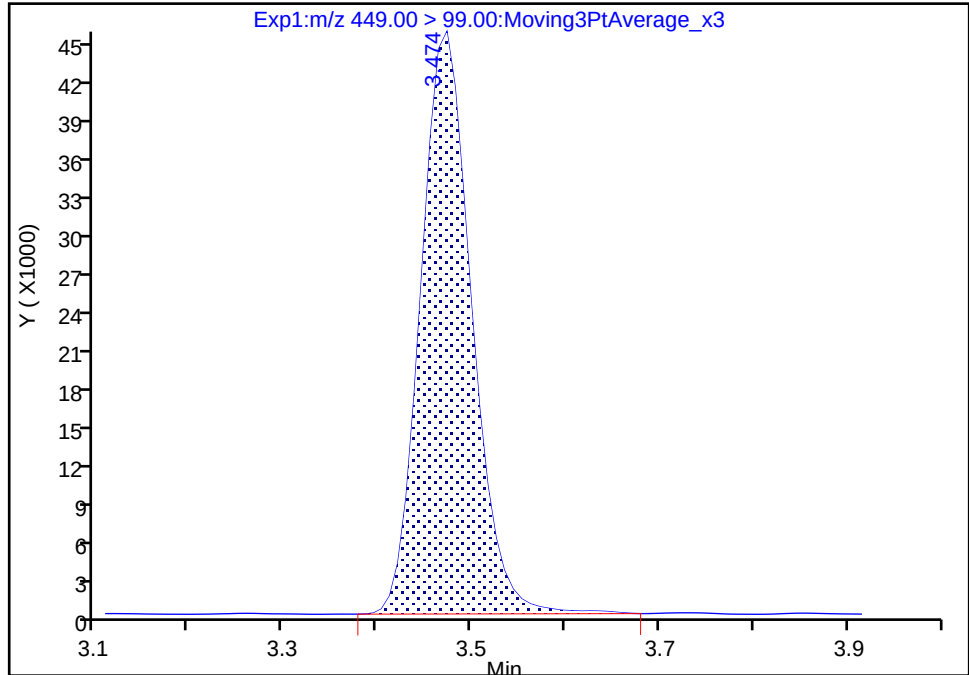
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

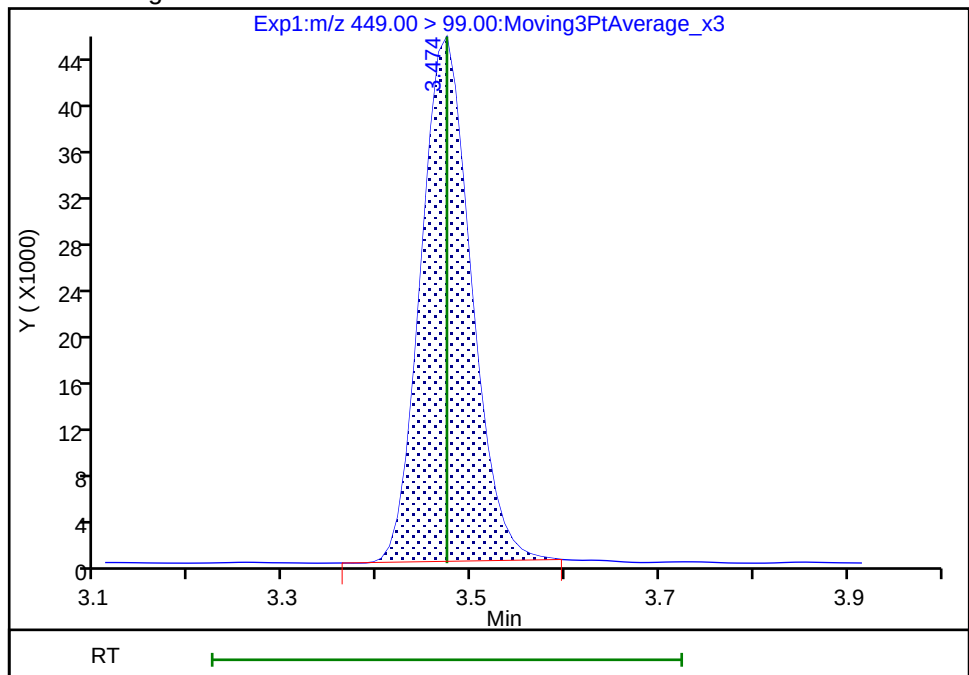
RT: 3.47
Area: 170957
Amount: 0.919262
Amount Units: ng/ml

Processing Integration Results



RT: 3.47
Area: 168205
Amount: 0.916355
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:47:50

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

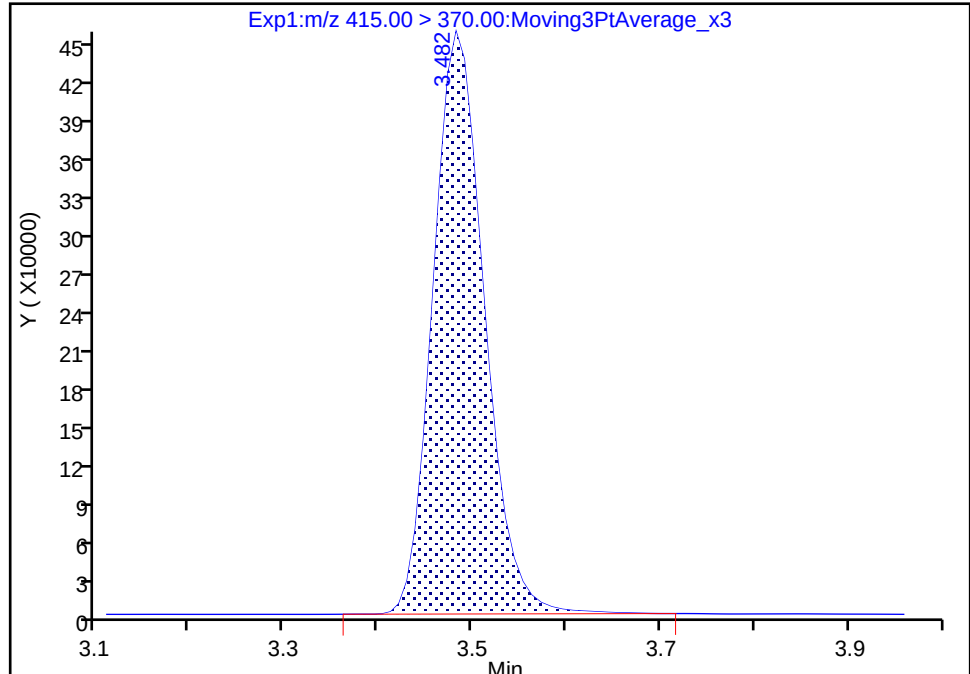
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

* 62 13C2 PFOA, CAS: STL00623

Signal: 1

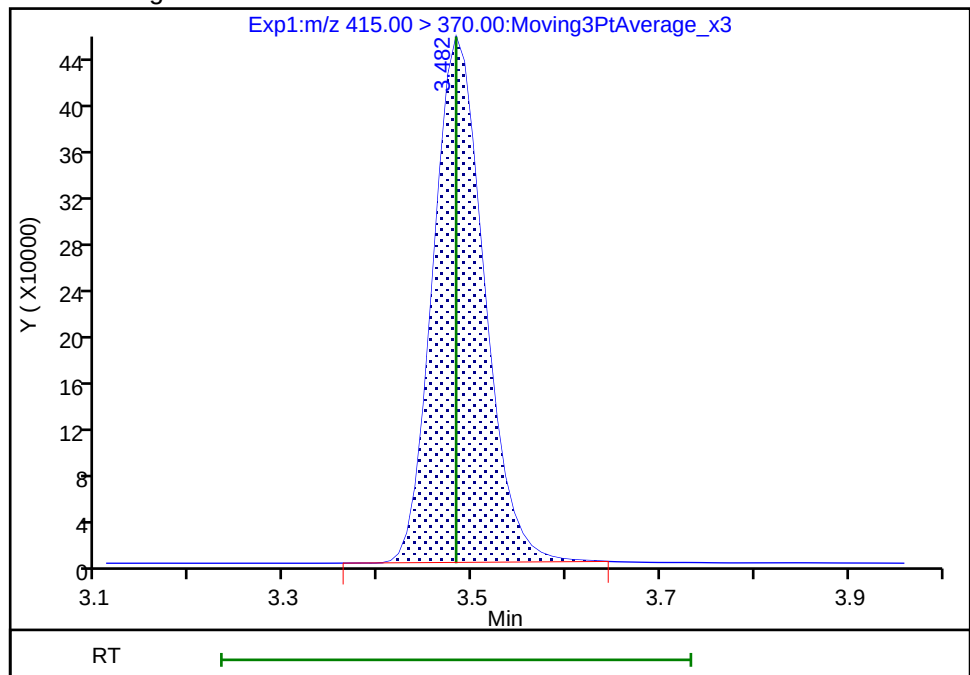
RT: 3.48
Area: 1737509
Amount: 1.250000
Amount Units: ng/ml

Processing Integration Results



RT: 3.48
Area: 1727269
Amount: 1.250000
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:48:01
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

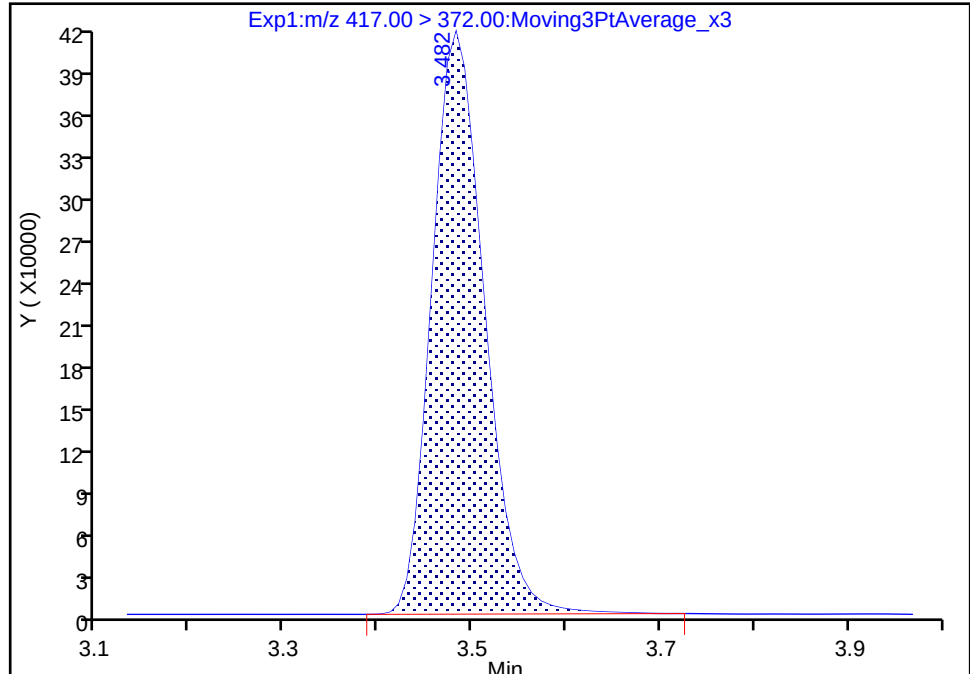
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 14 13C4 PFOA, CAS: STL00990

Signal: 1

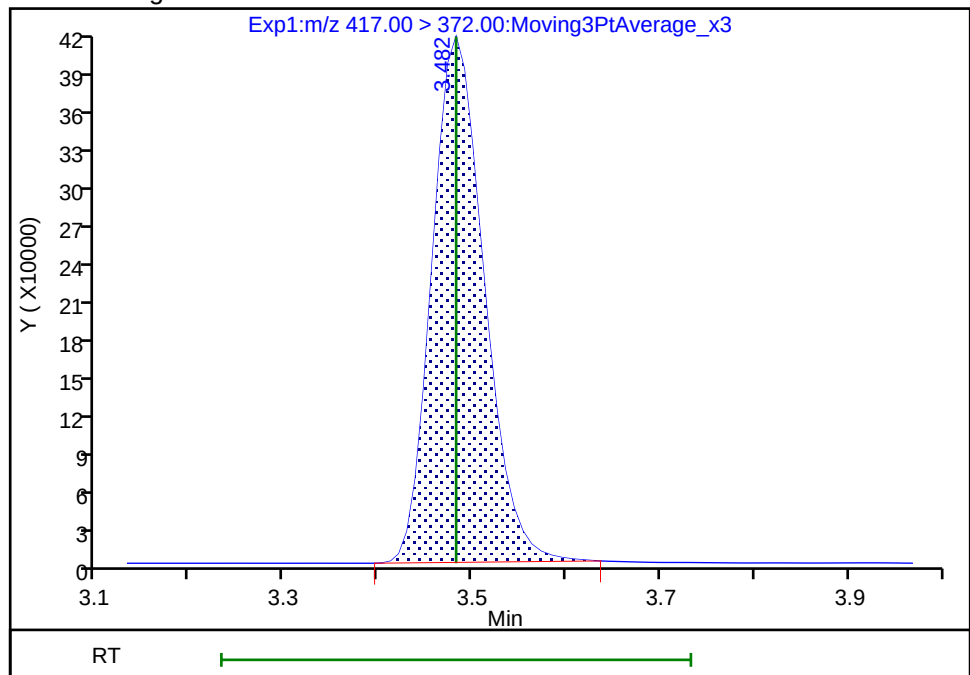
RT: 3.48
Area: 1626515
Amount: 1.238112
Amount Units: ng/ml

Processing Integration Results



RT: 3.48
Area: 1613787
Amount: 1.226077
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:48:09

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

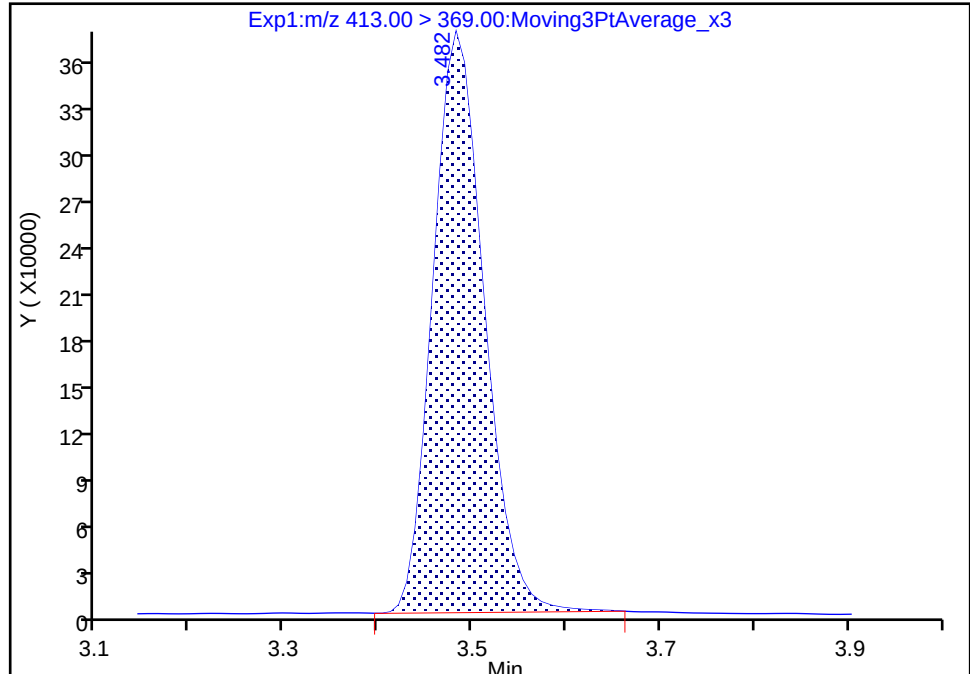
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

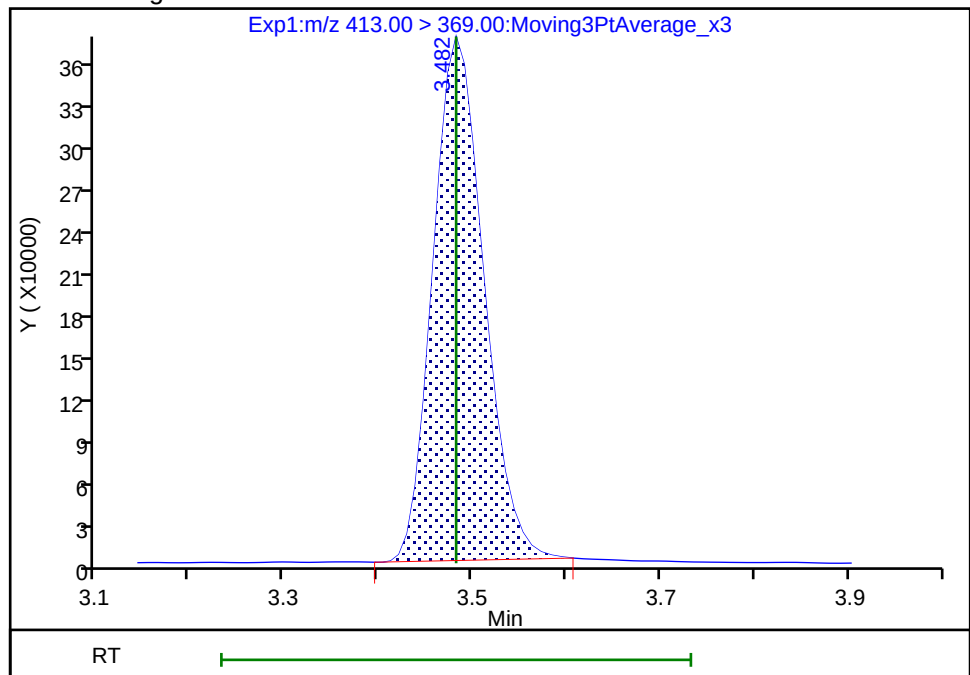
RT: 3.48
Area: 1424061
Amount: 0.971907
Amount Units: ng/ml

Processing Integration Results



RT: 3.48
Area: 1407860
Amount: 0.972441
Amount Units: ng/ml

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

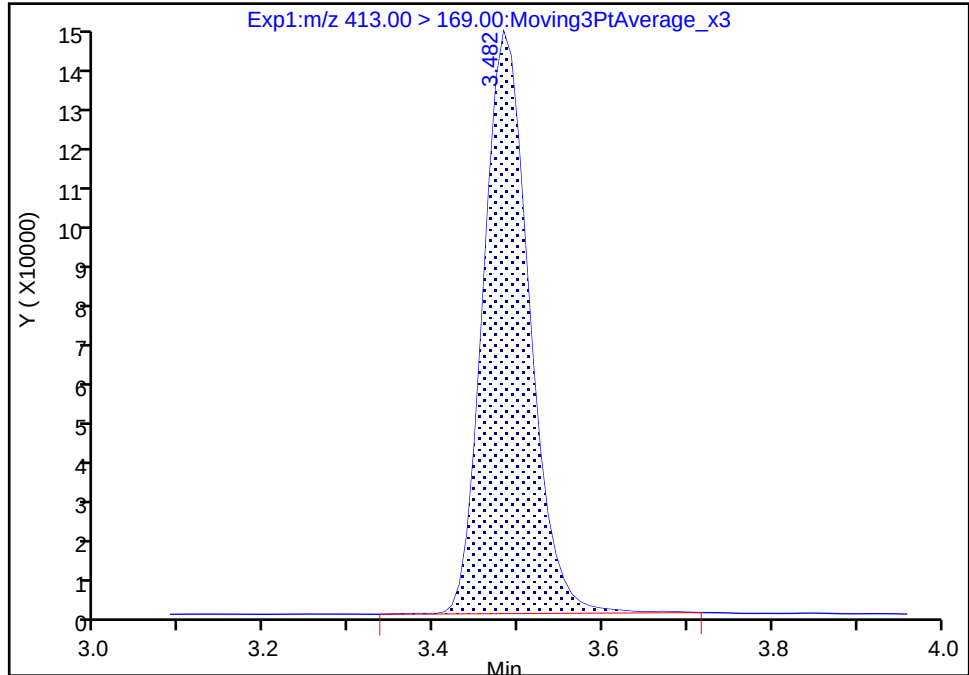
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

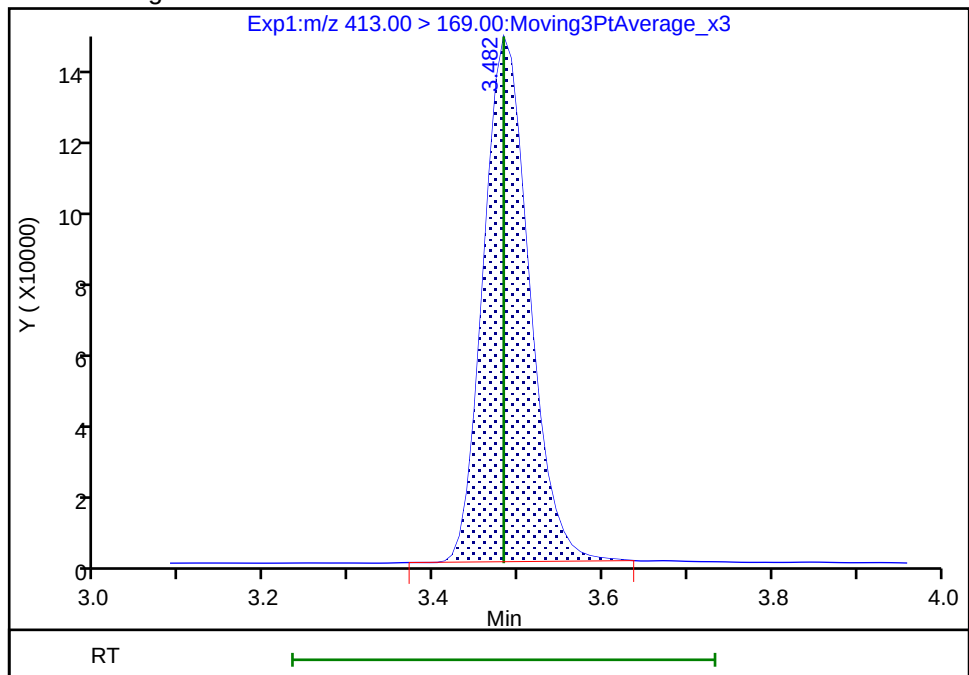
RT: 3.48
Area: 531711
Amount: 0.971907
Amount Units: ng/ml

Processing Integration Results



RT: 3.48
Area: 526635
Amount: 0.972441
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:48:17

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

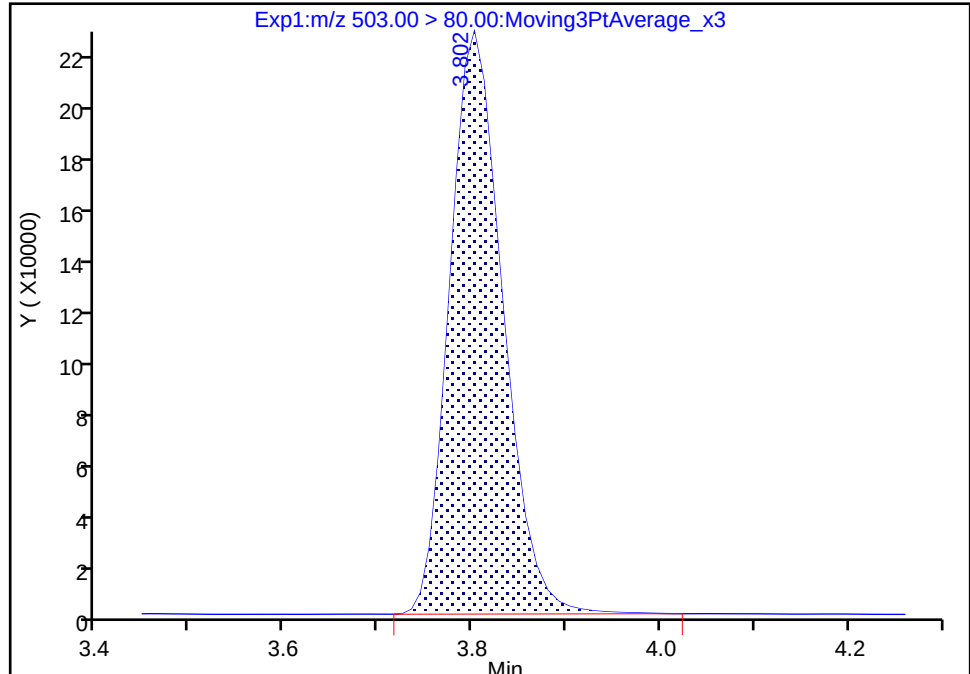
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 18 13C4 PFOS, CAS: STL00991

Signal: 1

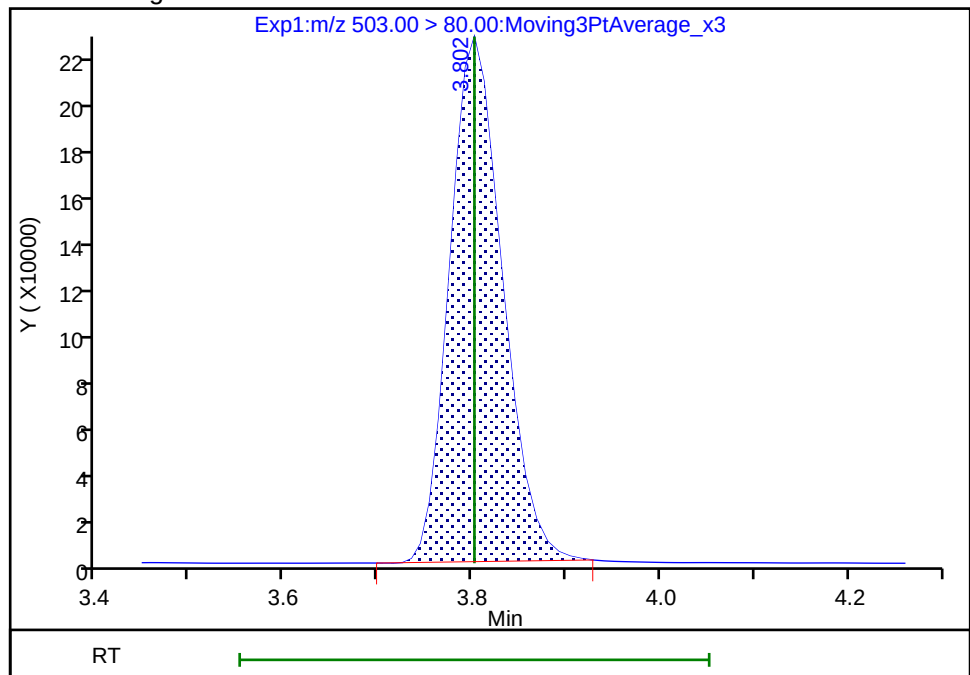
RT: 3.80
Area: 877992
Amount: 1.046293
Amount Units: ng/ml

Processing Integration Results



RT: 3.80
Area: 867294
Amount: 1.150672
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:48:23

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

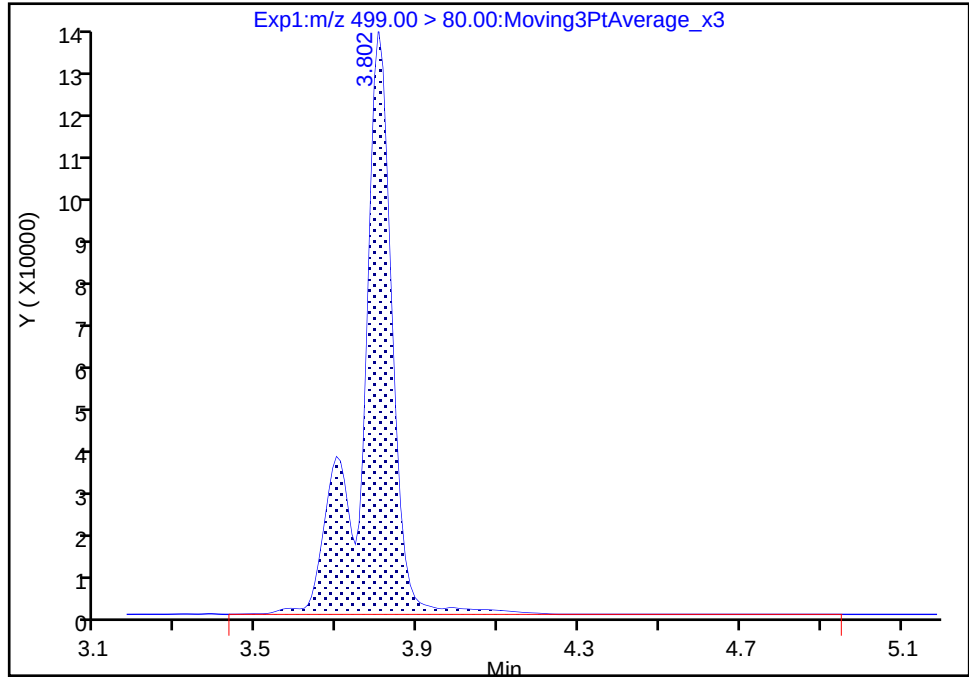
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

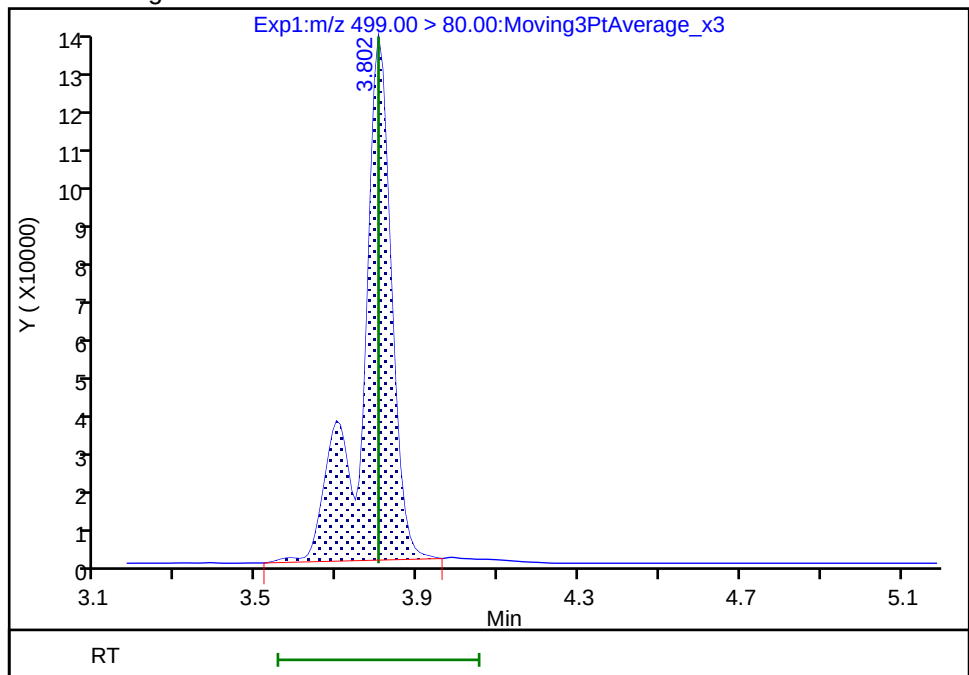
RT: 3.80
Area: 712901
Amount: 0.877996
Amount Units: ng/ml

Processing Integration Results



RT: 3.80
Area: 683046
Amount: 0.927442
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:48:28
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

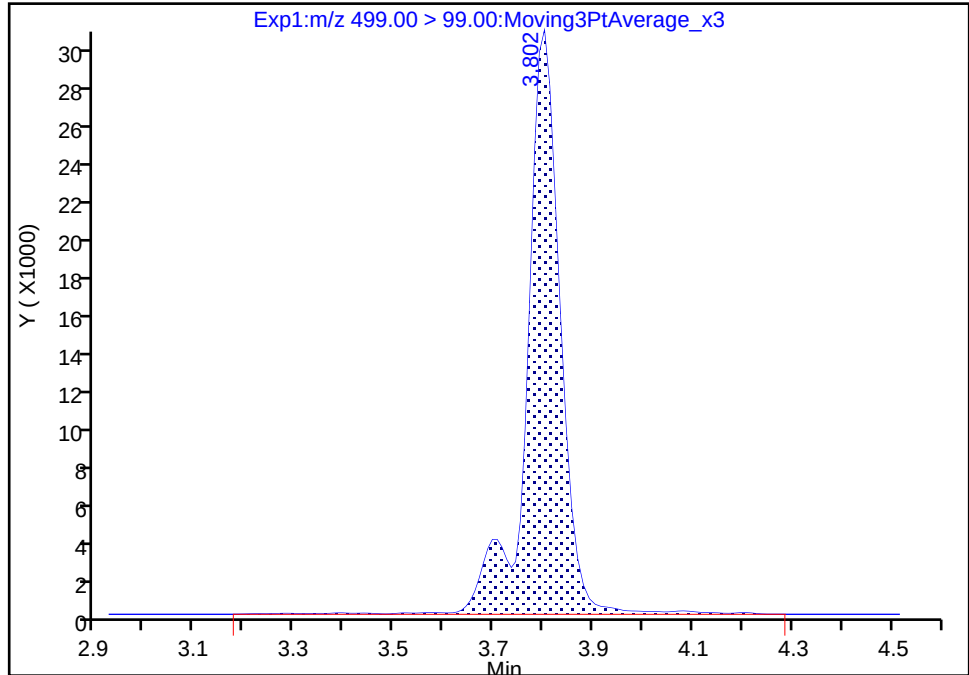
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

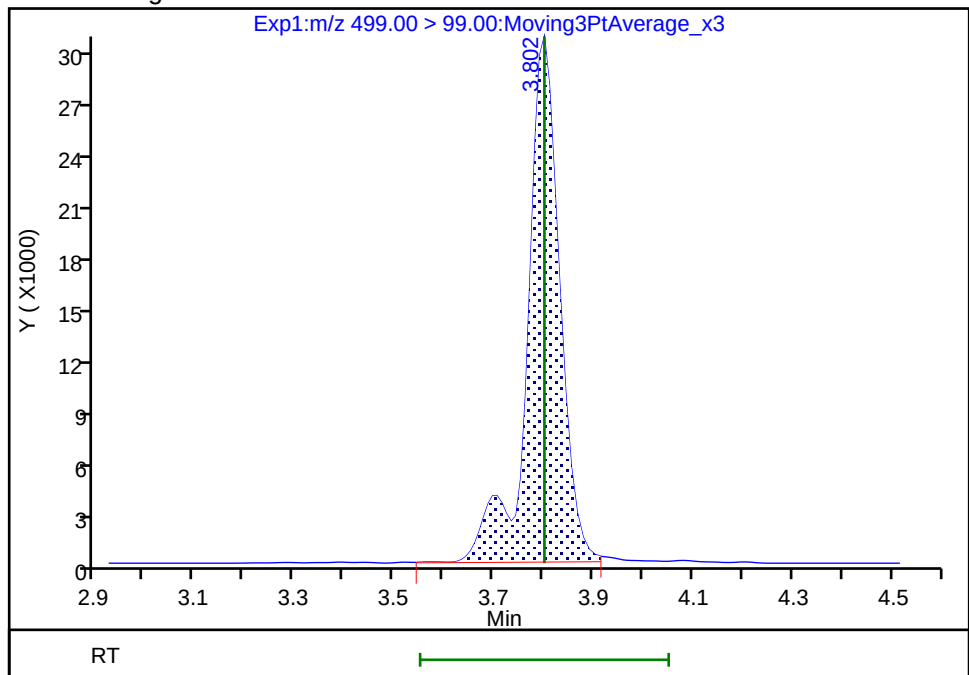
RT: 3.80
Area: 144270
Amount: 0.877996
Amount Units: ng/ml

Processing Integration Results



RT: 3.80
Area: 139901
Amount: 0.927442
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:48:43

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

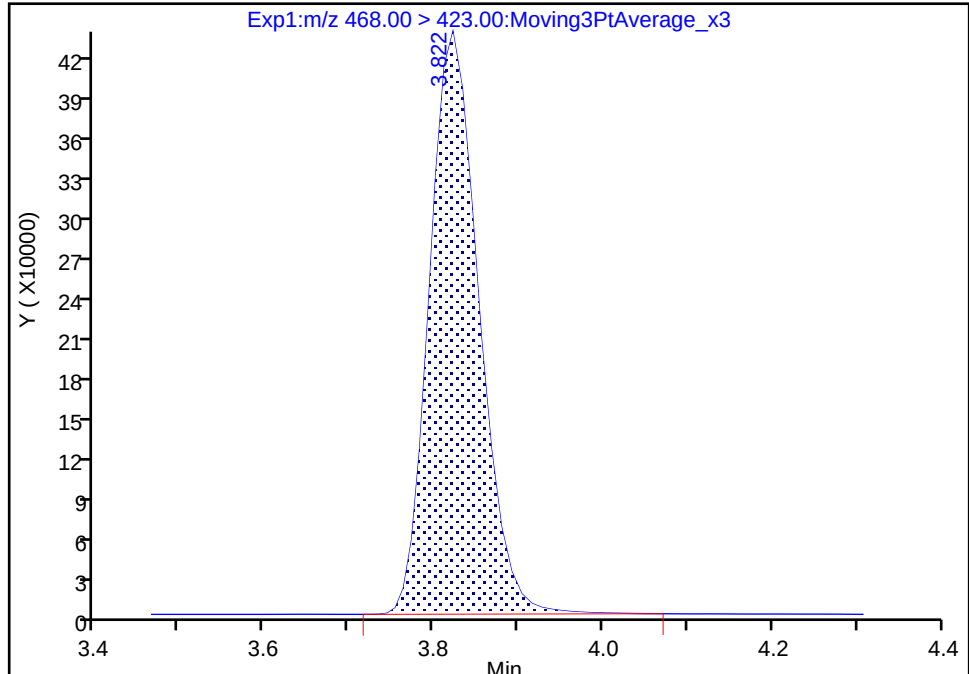
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 19 13C5 PFNA, CAS: STL00995

Signal: 1

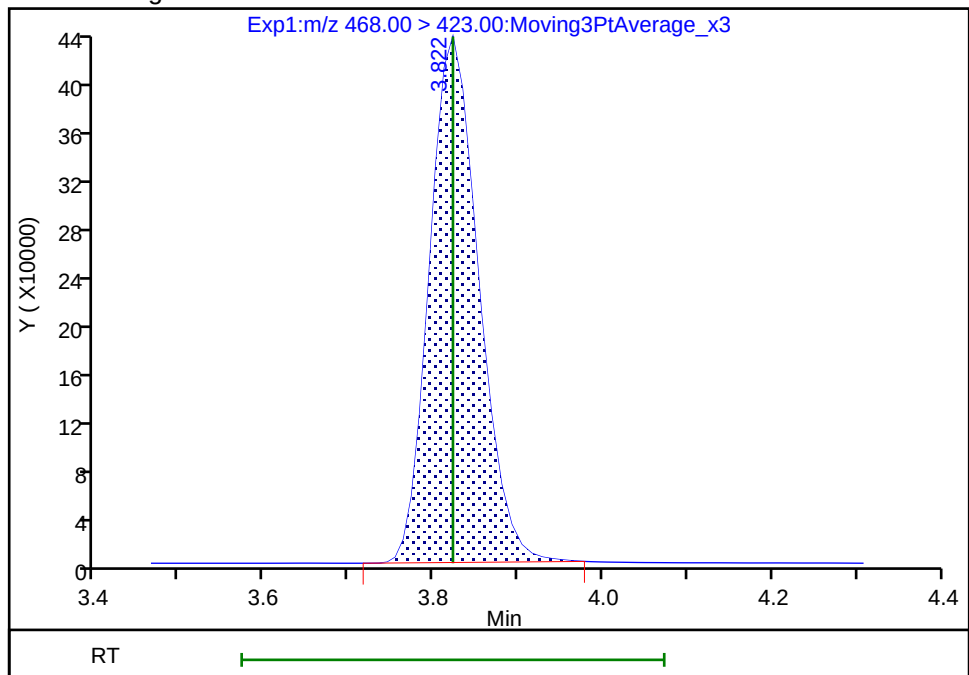
RT: 3.82
Area: 1754240
Amount: 1.262437
Amount Units: ng/ml

Processing Integration Results



RT: 3.82
Area: 1743026
Amount: 1.275568
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:48:51
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

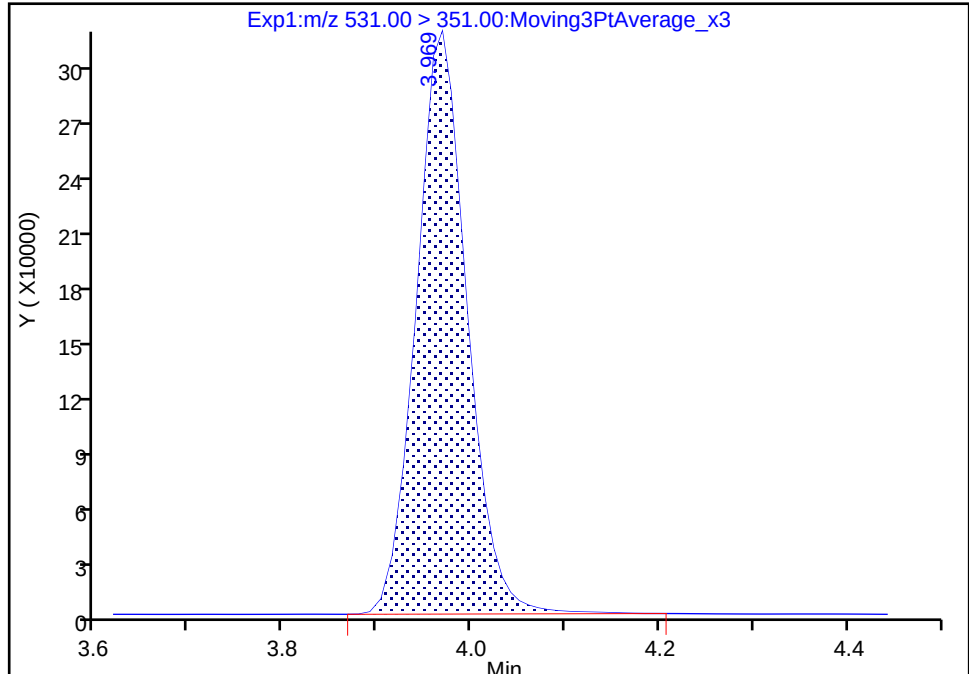
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

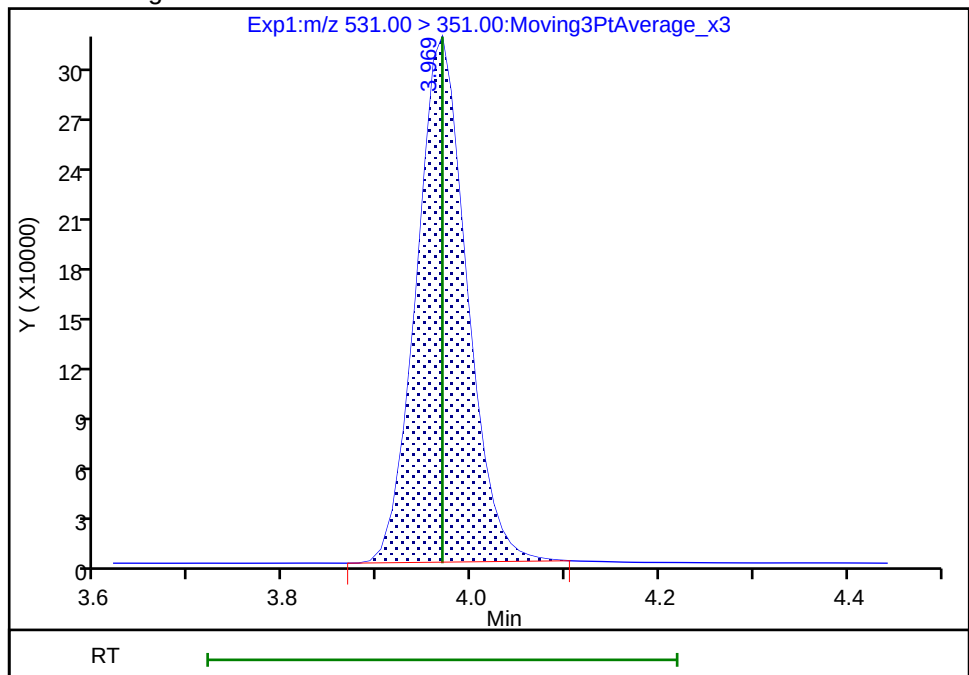
RT: 3.97
Area: 1192706
Amount: 0.913809
Amount Units: ng/ml

Processing Integration Results



RT: 3.97
Area: 1181613
Amount: 0.921644
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:48:56
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

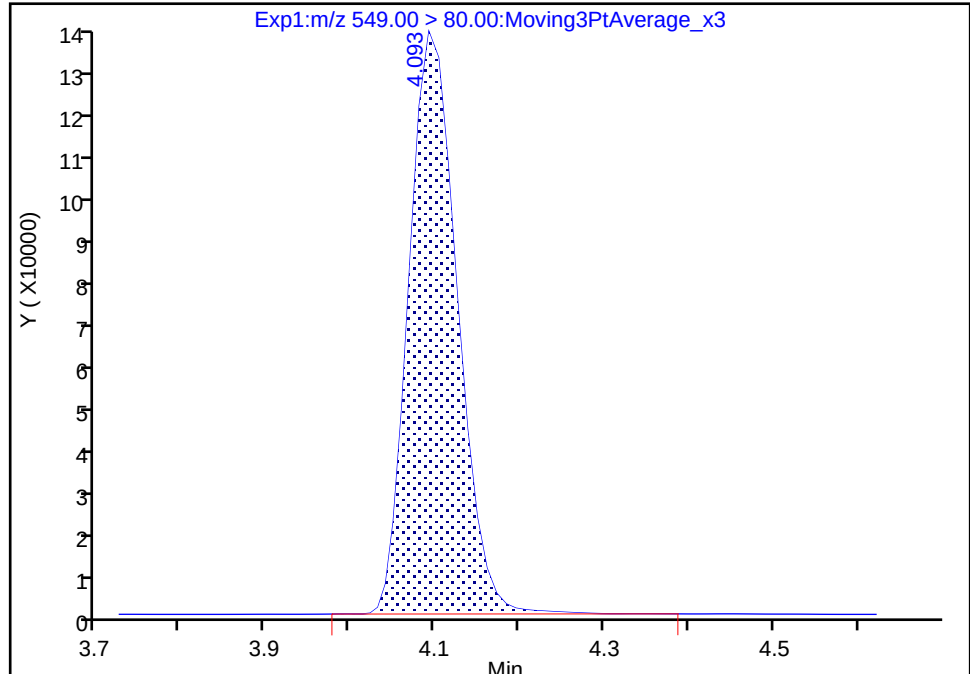
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 1

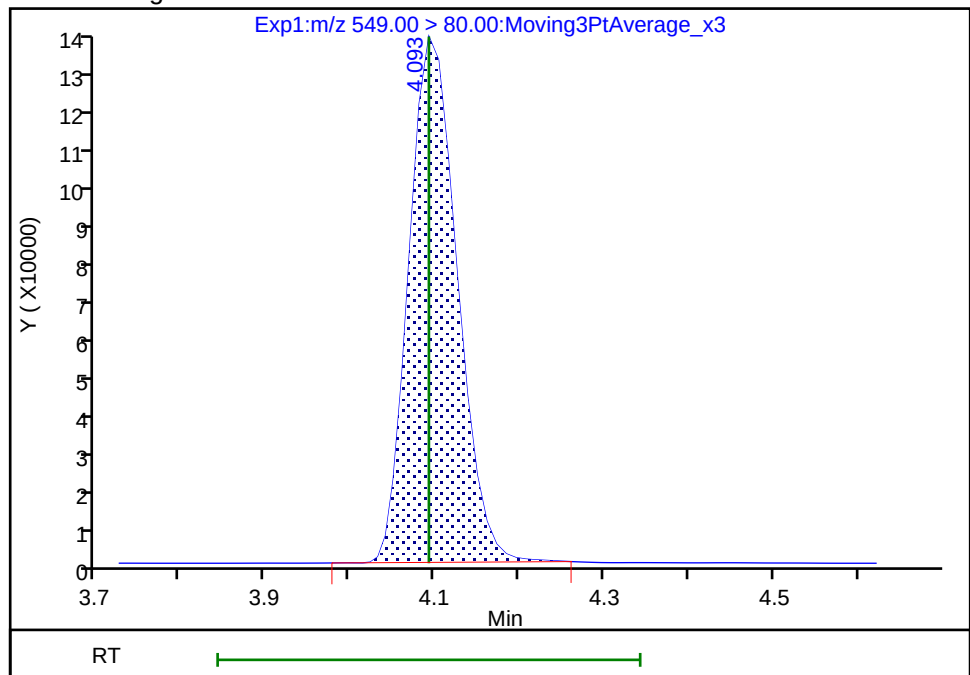
RT: 4.09
Area: 536415
Amount: 0.936174
Amount Units: ng/ml

Processing Integration Results



RT: 4.09
Area: 533126
Amount: 0.938175
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:49:02
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

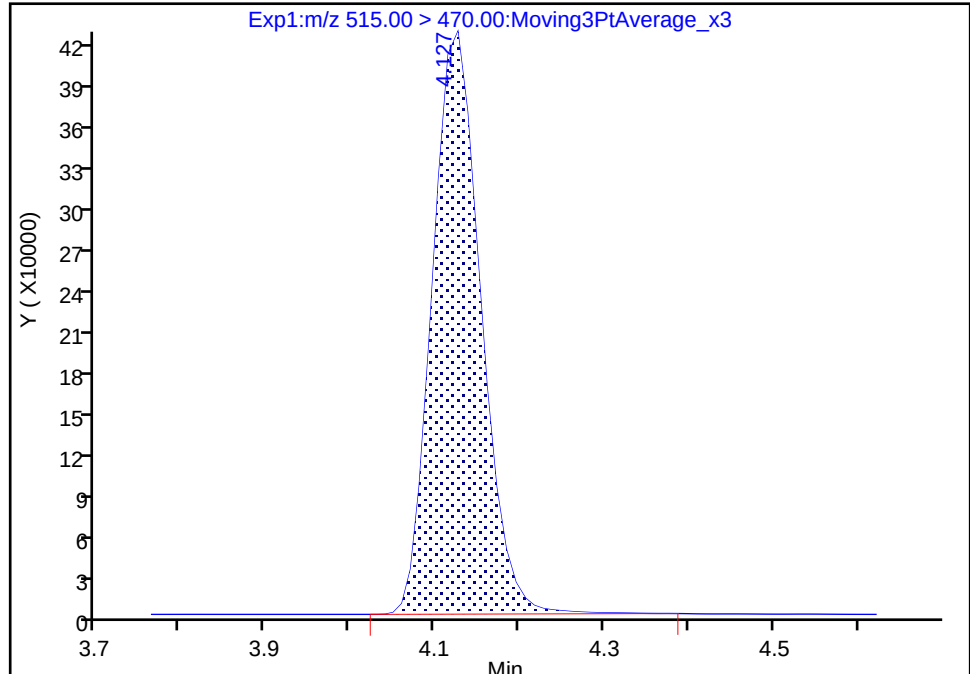
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 23 13C2 PFDA, CAS: STL00996

Signal: 1

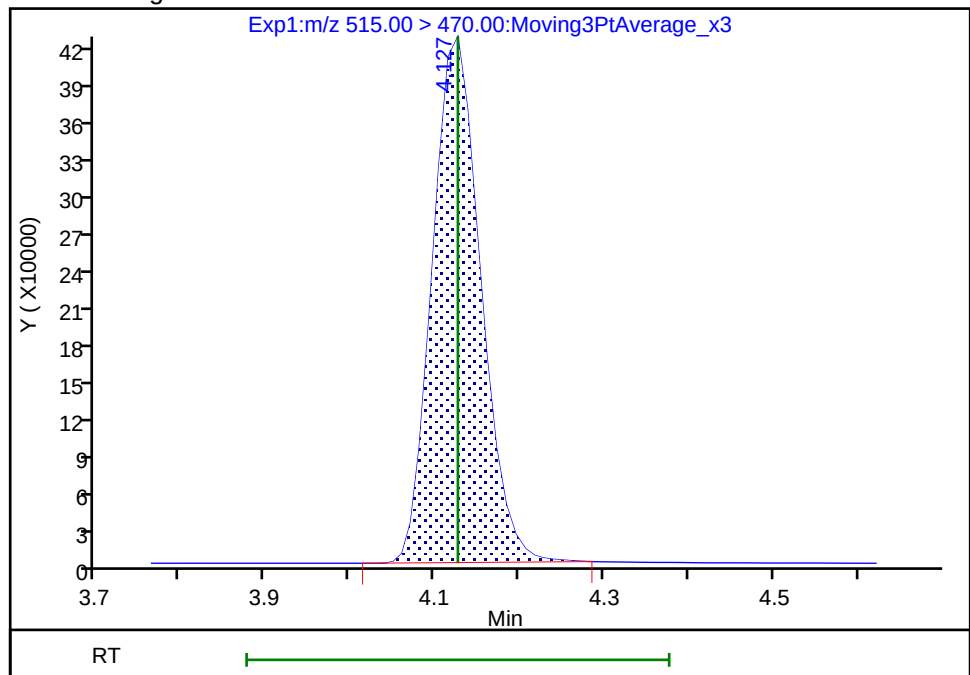
RT: 4.13
Area: 1684120
Amount: 1.254981
Amount Units: ng/ml

Processing Integration Results



RT: 4.13
Area: 1674653
Amount: 1.259235
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:49:08
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

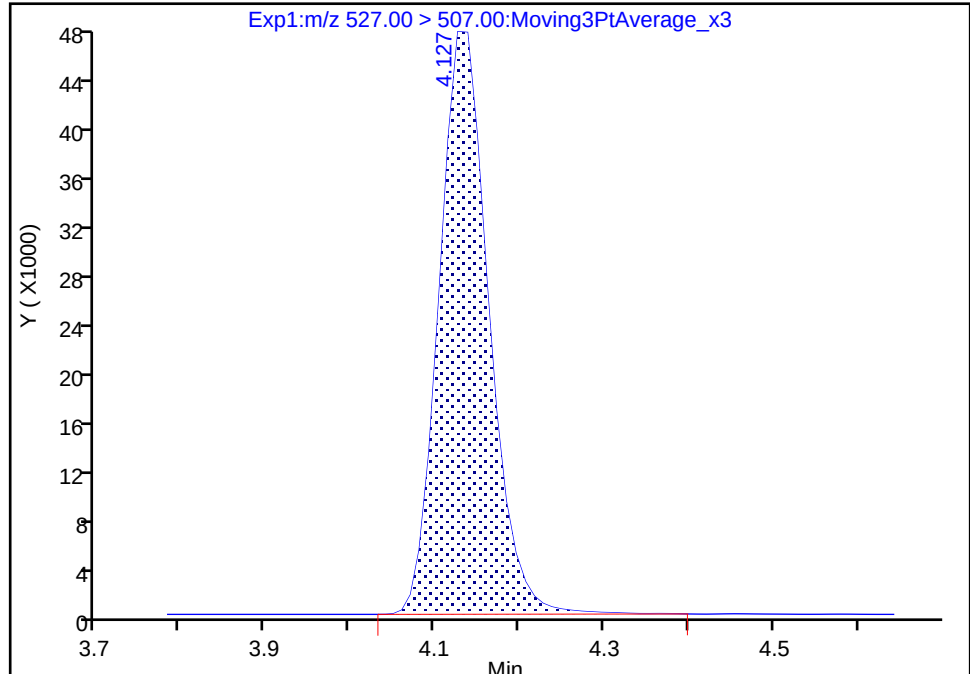
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

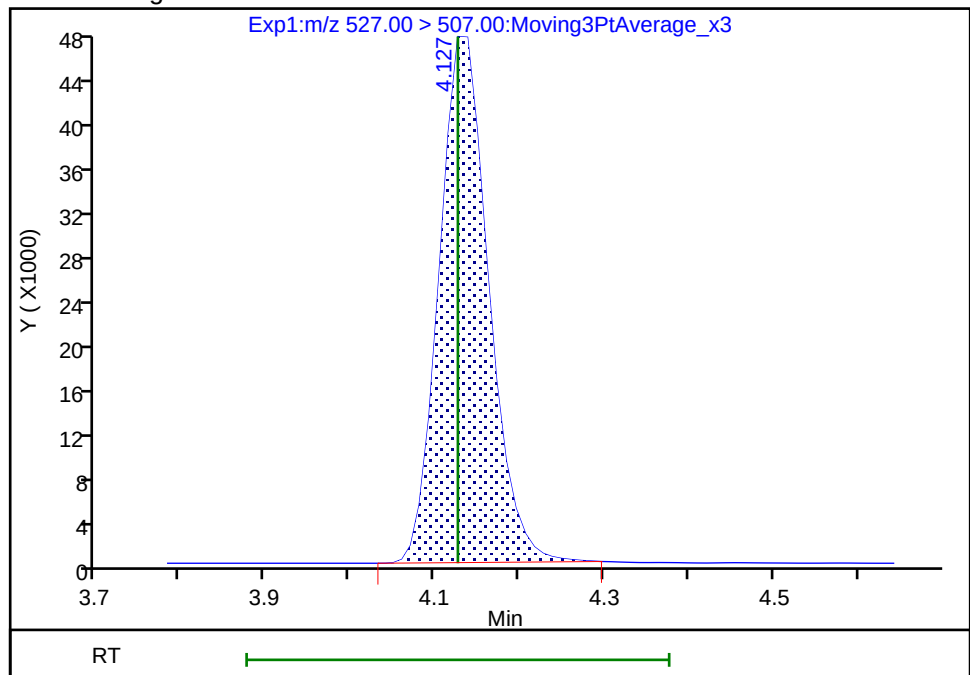
RT: 4.13
Area: 195632
Amount: 0.962052
Amount Units: ng/ml

Processing Integration Results



RT: 4.13
Area: 194268
Amount: 1.001467
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:49:26
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

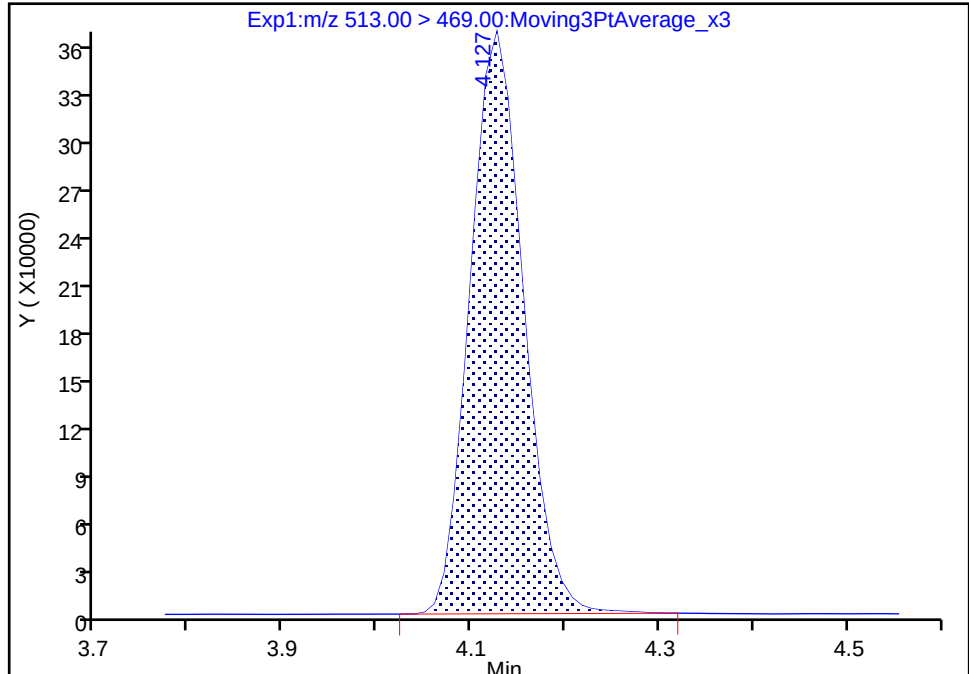
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d		
Injection Date:	03-Aug-2022 13:24:49	Instrument ID:	LC812
Lims ID:	ICIS		
Client ID:			
Operator ID:	lc812tech	ALS Bottle#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	8

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

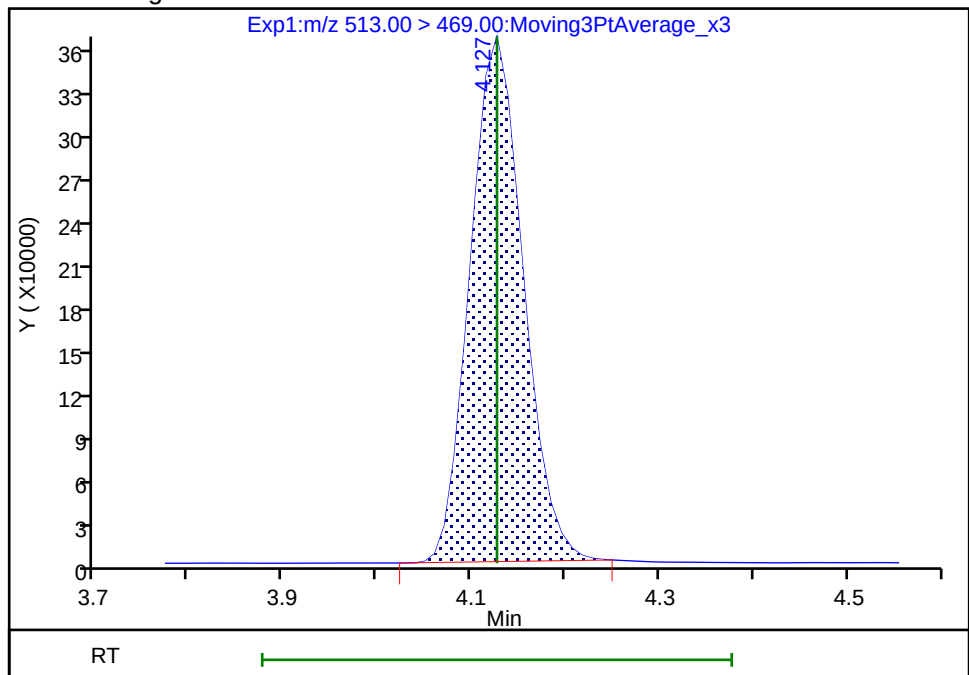
RT: 4.13
Area: 1428368
Amount: 1.006144
Amount Units: ng/ml

Processing Integration Results



RT: 4.13
Area: 1414392
Amount: 1.003838
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:49:17
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

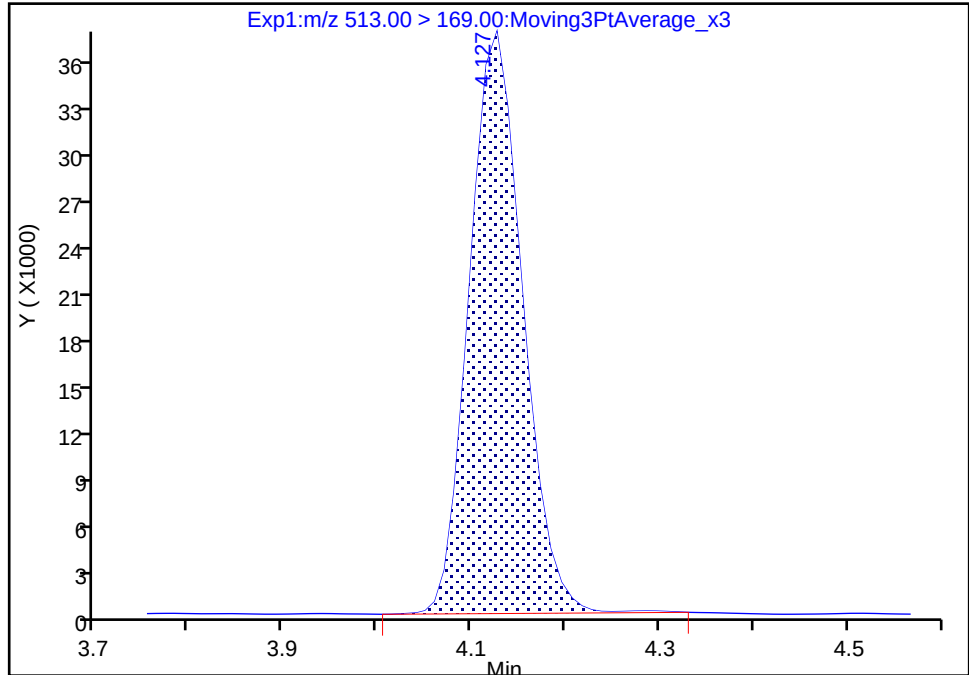
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

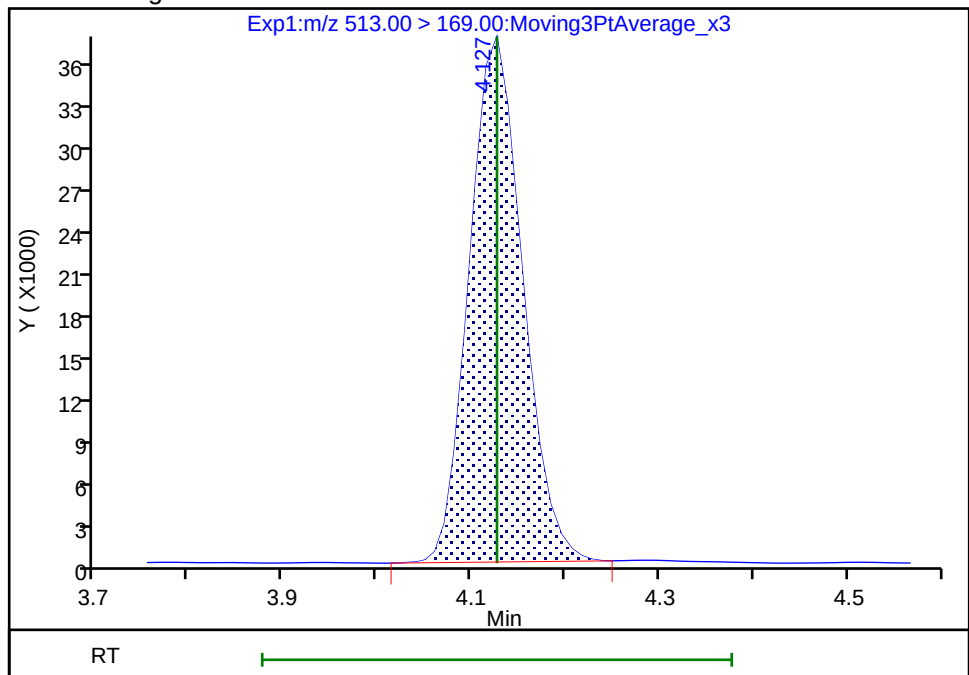
RT: 4.13
Area: 147199
Amount: 1.006144
Amount Units: ng/ml

Processing Integration Results



RT: 4.13
Area: 146317
Amount: 1.003838
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:49:21

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

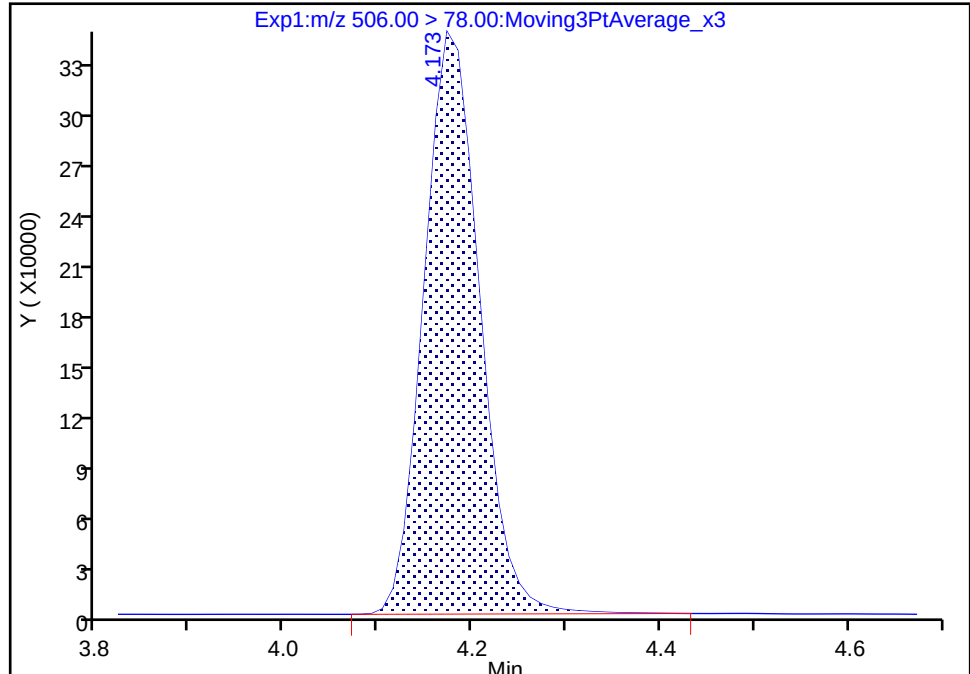
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

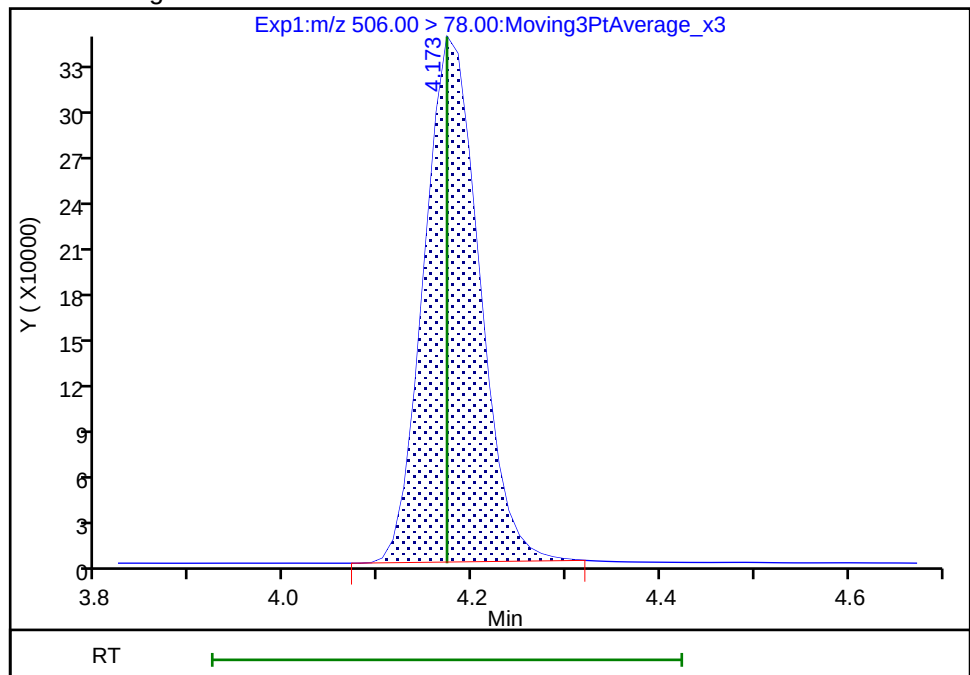
RT: 4.17
Area: 1401019
Amount: 1.082534
Amount Units: ng/ml

Processing Integration Results



RT: 4.17
Area: 1386621
Amount: 1.191298
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:49:33
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

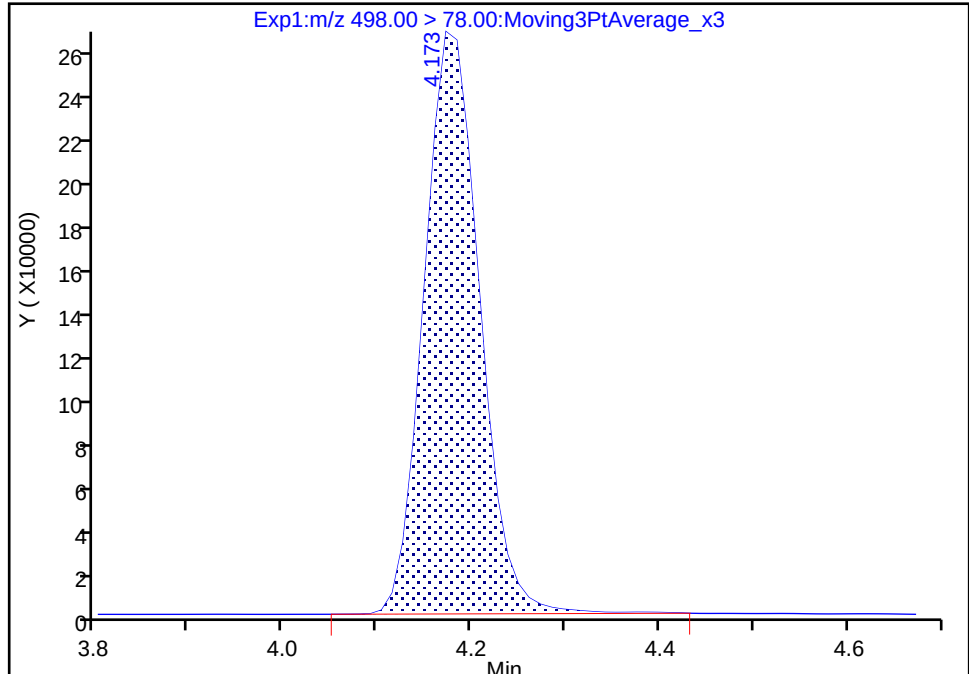
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

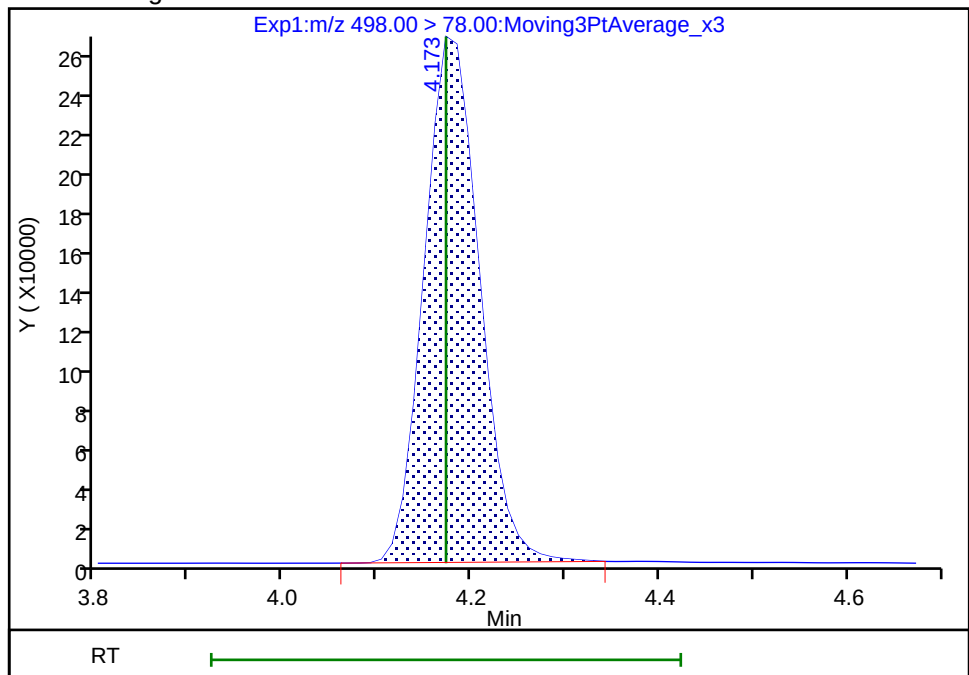
RT: 4.17
Area: 1101851
Amount: 0.976900
Amount Units: ng/ml

Processing Integration Results



RT: 4.17
Area: 1095271
Amount: 0.968938
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:49:39
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

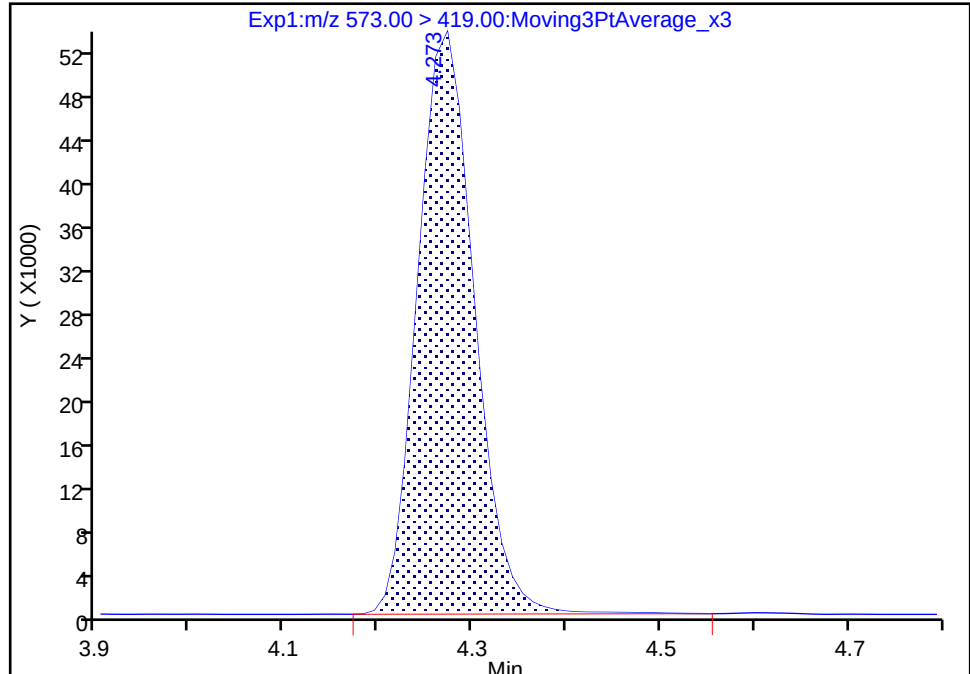
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

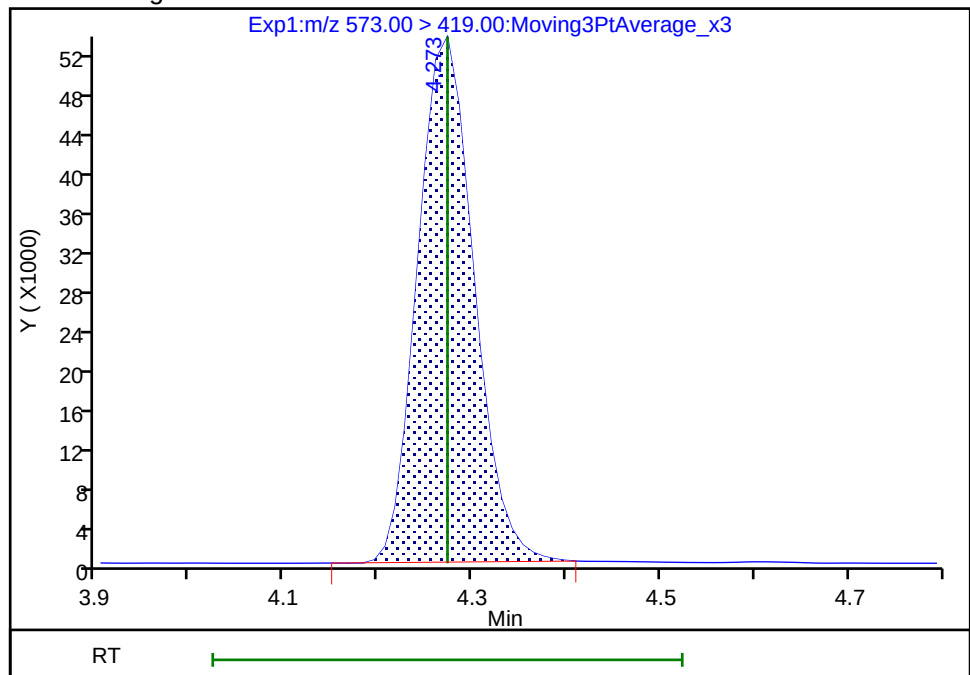
RT: 4.27
Area: 224901
Amount: 1.235750
Amount Units: ng/ml

Processing Integration Results



RT: 4.27
Area: 222702
Amount: 1.249393
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:49:45
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

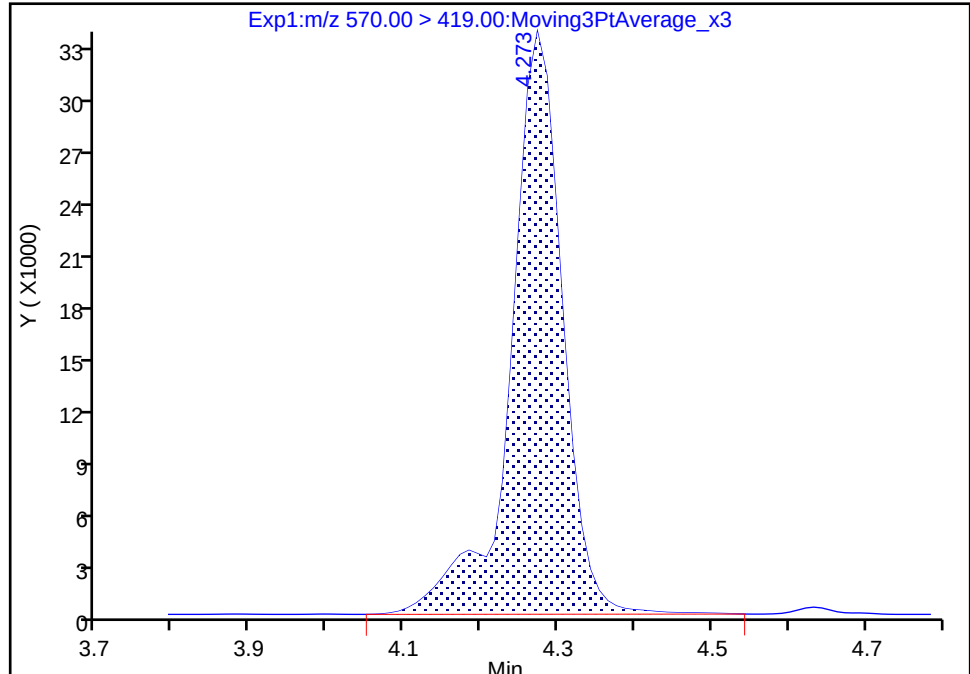
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

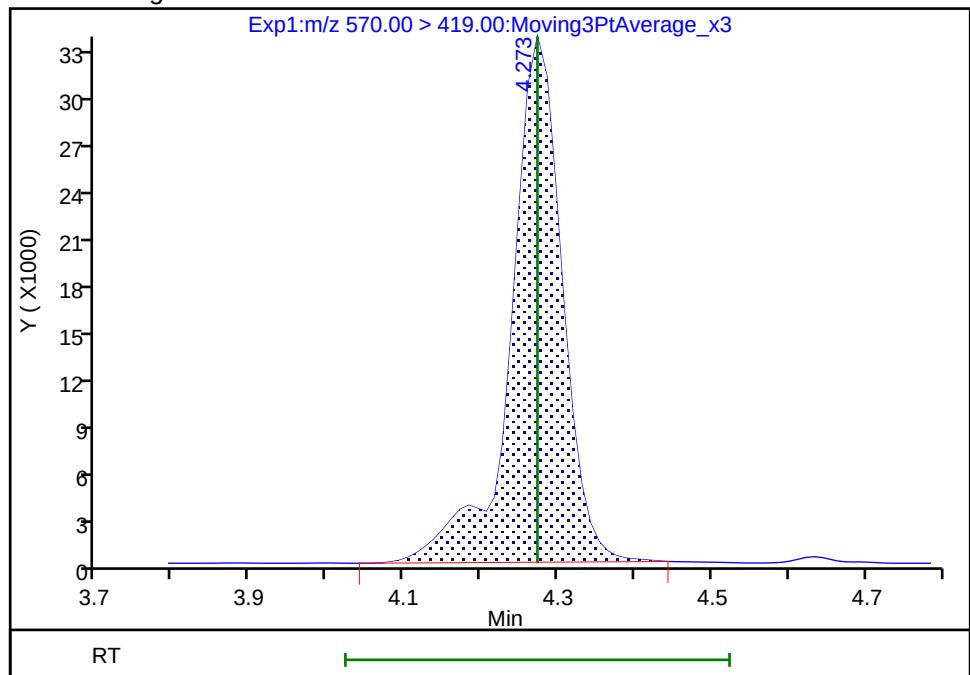
RT: 4.27
Area: 155449
Amount: 0.981776
Amount Units: ng/ml

Processing Integration Results



RT: 4.27
Area: 153984
Amount: 0.973182
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:49:50
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

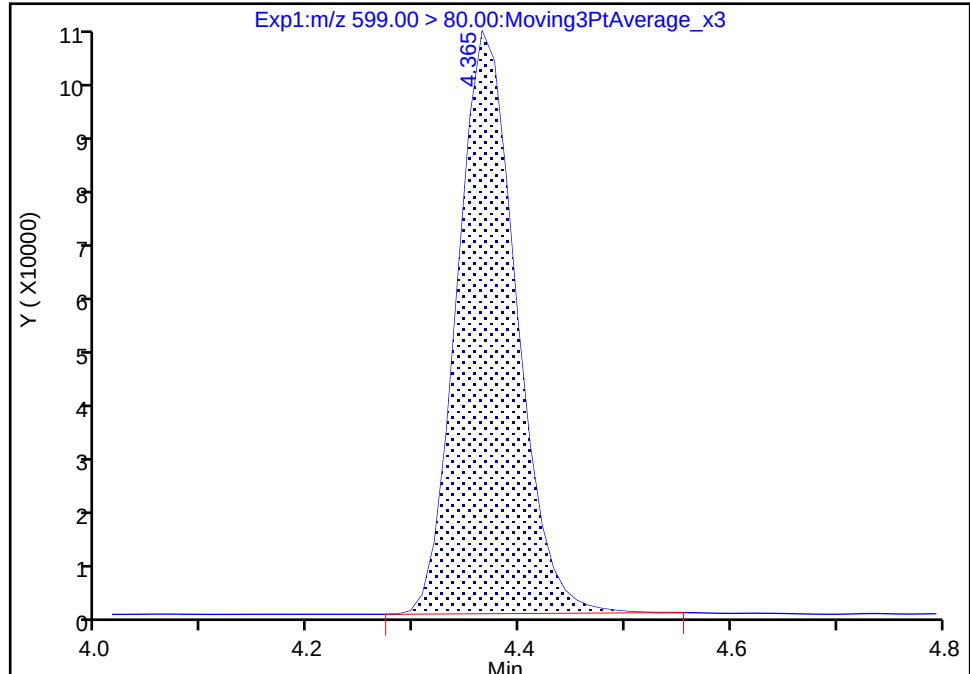
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

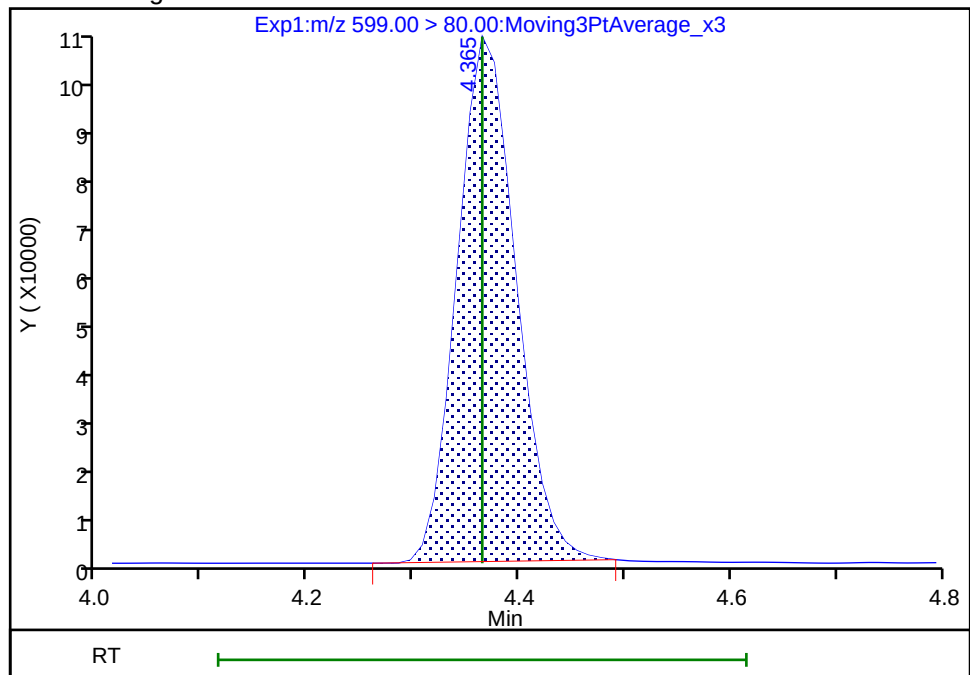
RT: 4.36
Area: 418358
Amount: 0.964624
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 414469
Amount: 0.980127
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:49:56
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

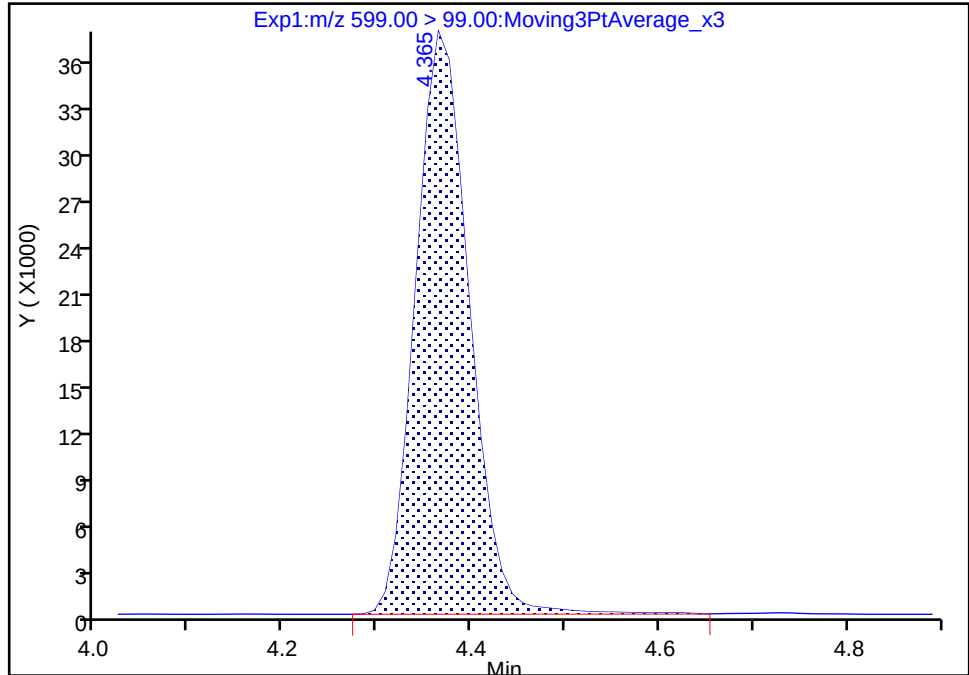
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

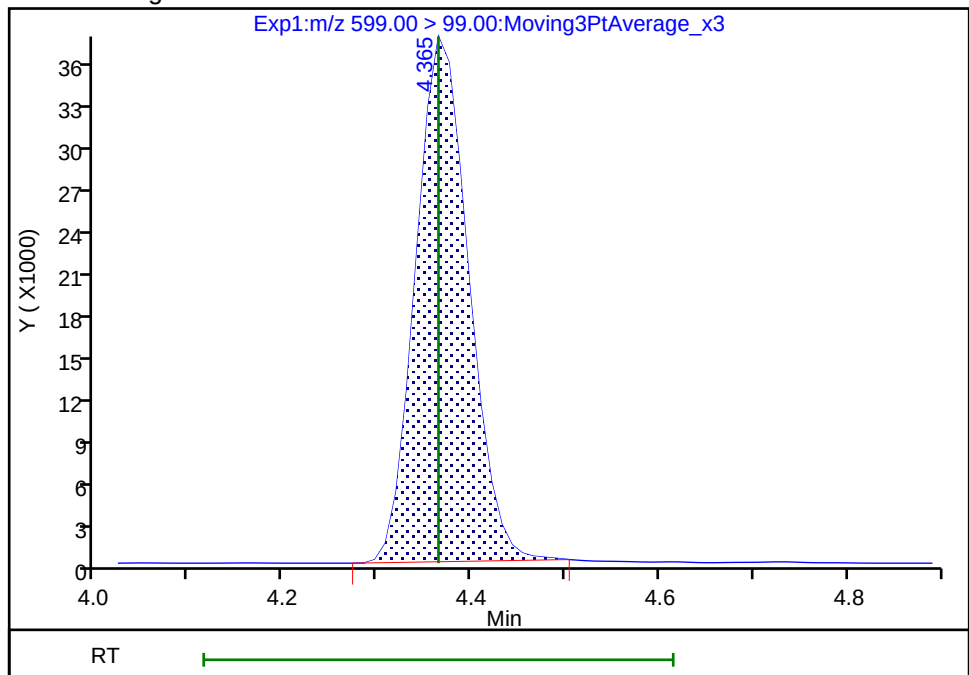
RT: 4.36
Area: 150492
Amount: 0.964624
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 147870
Amount: 0.980127
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:49:59

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

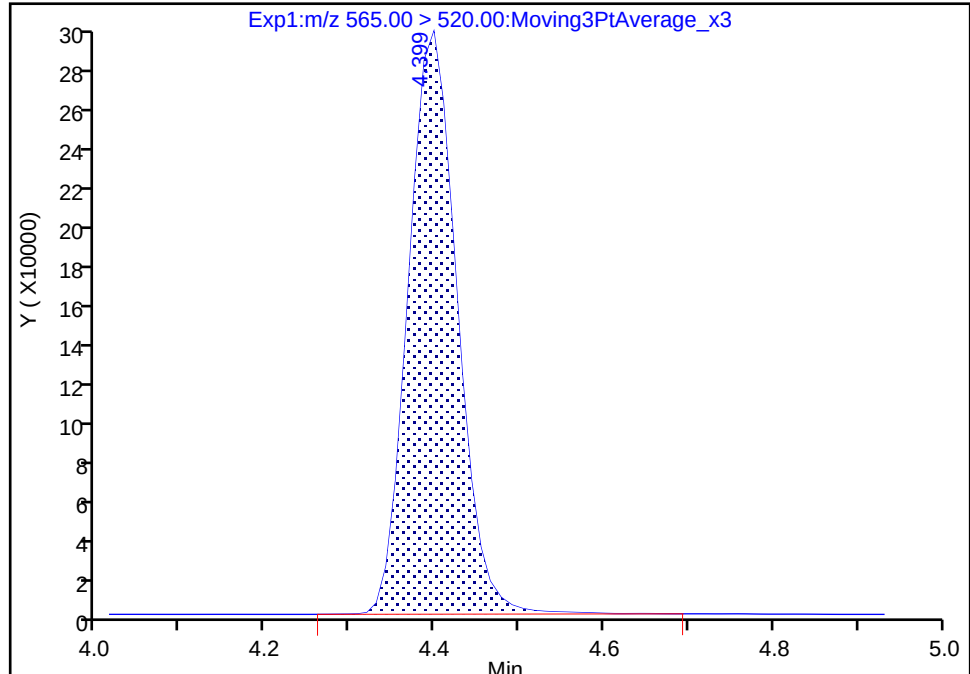
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

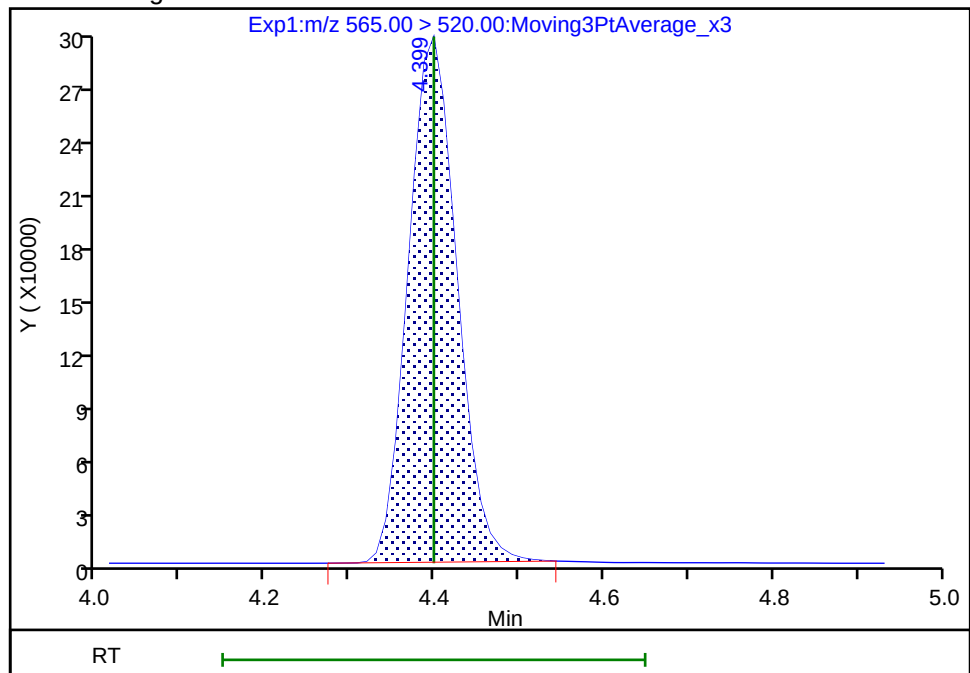
RT: 4.40
Area: 1197435
Amount: 1.154017
Amount Units: ng/ml

Processing Integration Results



RT: 4.40
Area: 1185895
Amount: 1.176912
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:50:06
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

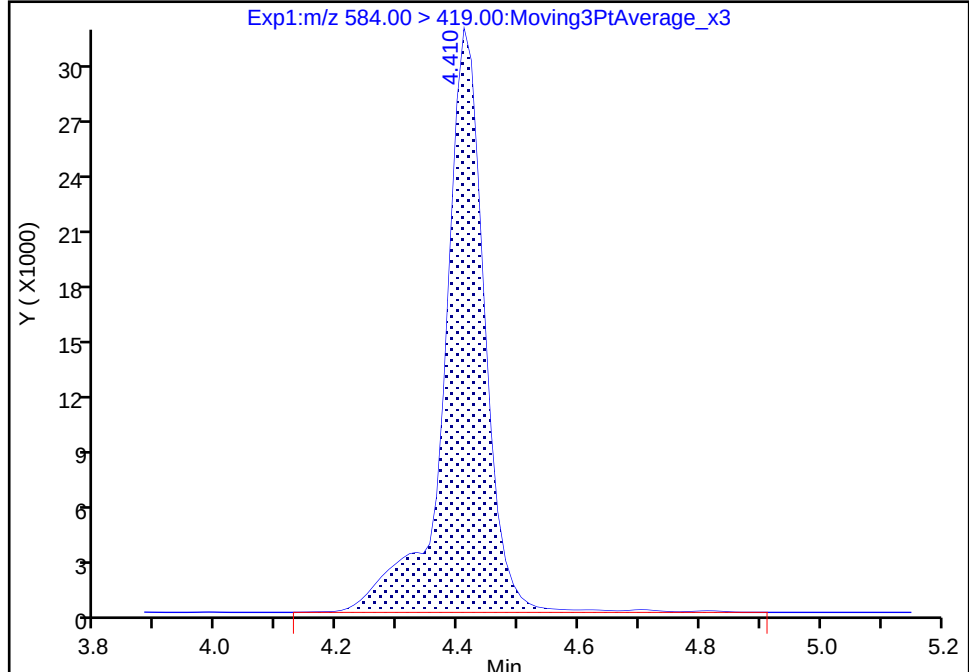
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

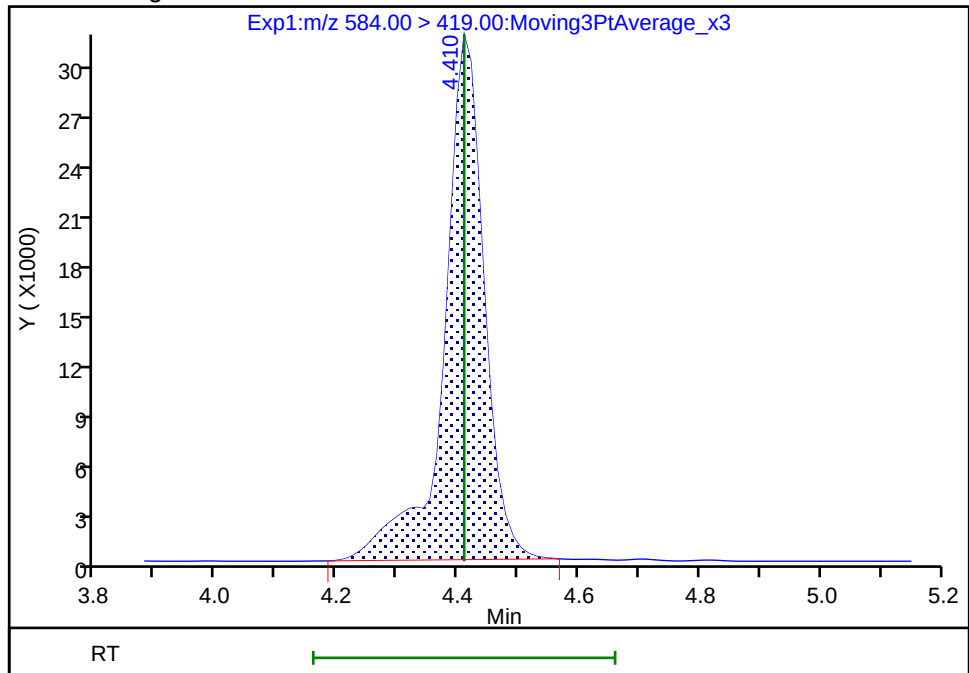
RT: 4.41
Area: 147459
Amount: 0.972934
Amount Units: ng/ml

Processing Integration Results



RT: 4.41
Area: 144142
Amount: 0.961142
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:50:11
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

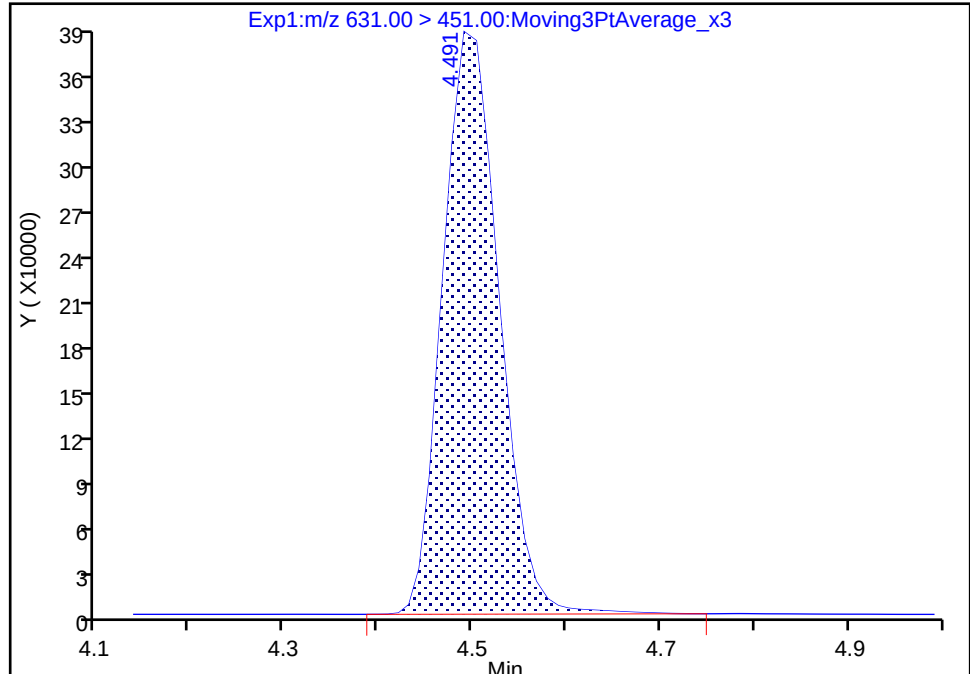
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

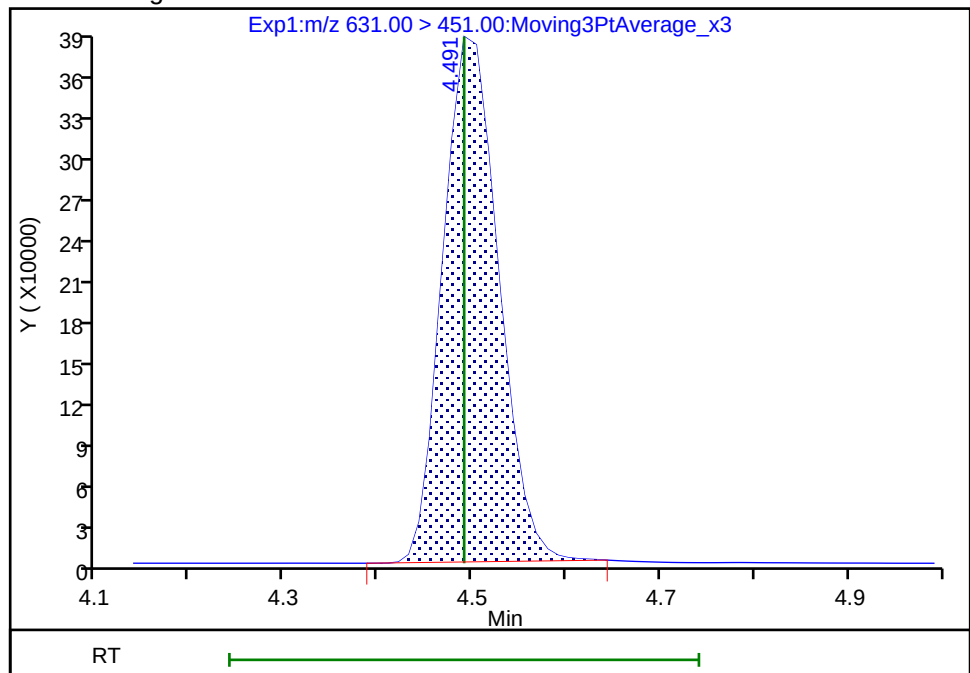
RT: 4.49
Area: 1603983
Amount: 0.937988
Amount Units: ng/ml

Processing Integration Results



RT: 4.49
Area: 1584274
Amount: 0.949418
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:50:16
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

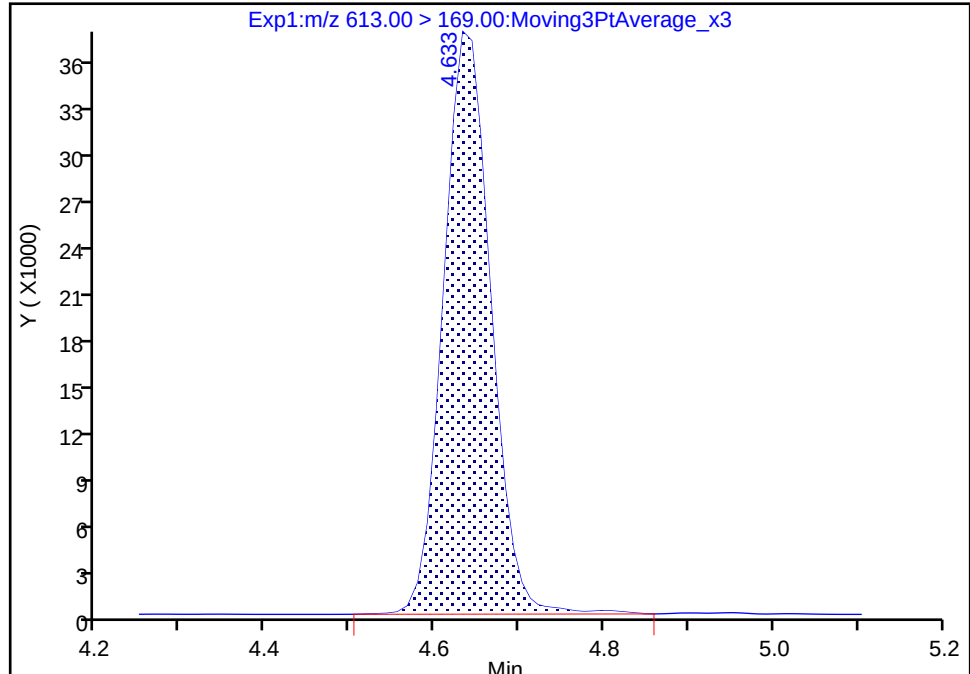
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

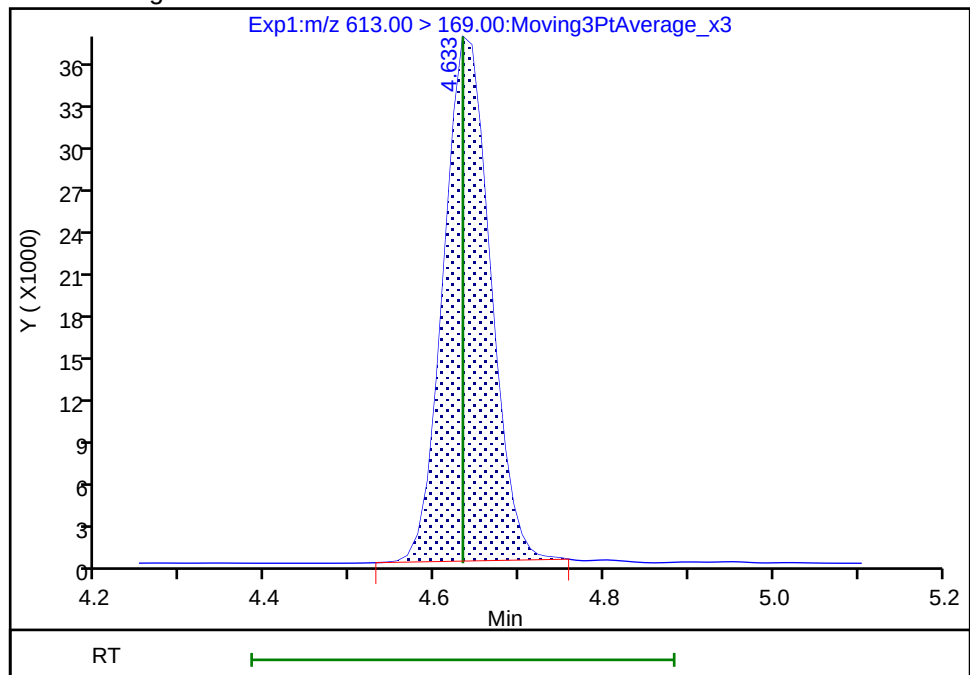
RT: 4.63
Area: 147597
Amount: 0.988647
Amount Units: ng/ml

Processing Integration Results



RT: 4.63
Area: 144662
Amount: 0.995608
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:50:24
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

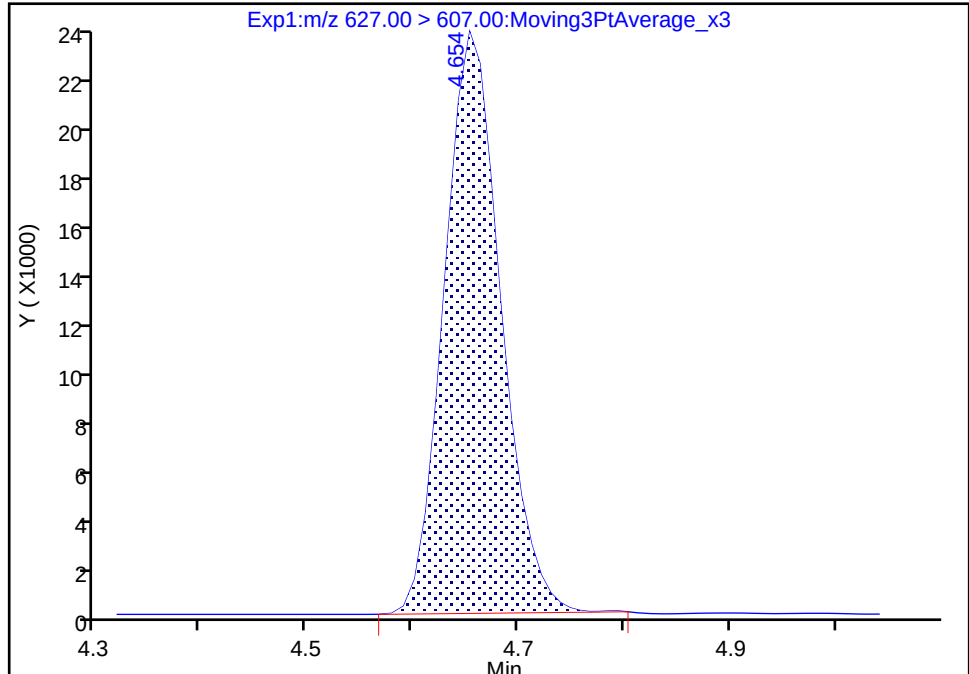
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

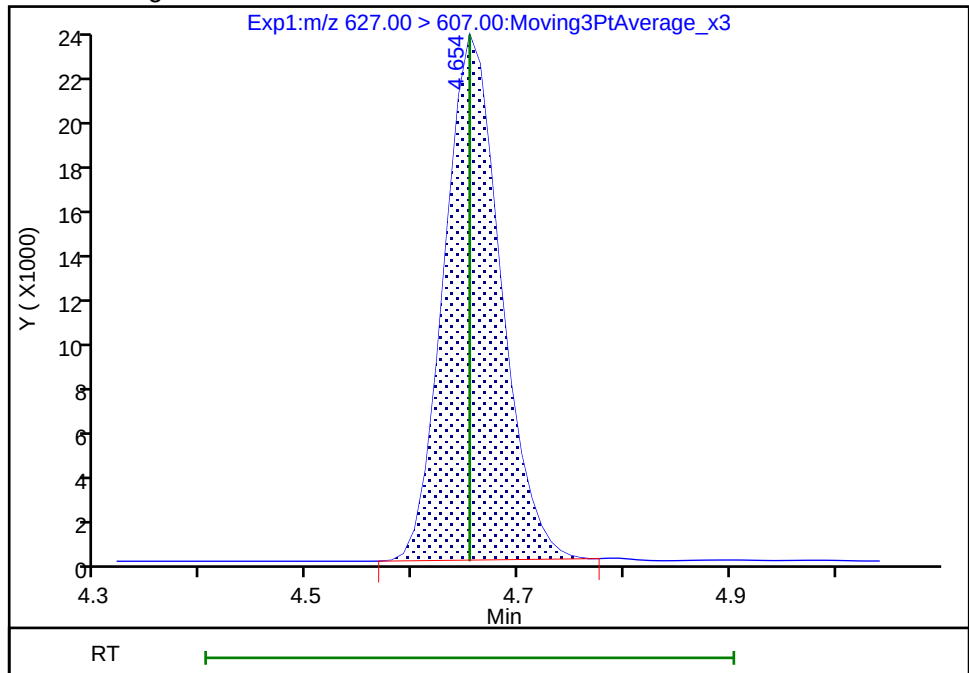
RT: 4.65
Area: 88661
Amount: 0.885221
Amount Units: ng/ml

Processing Integration Results



RT: 4.65
Area: 88428
Amount: 0.975772
Amount Units: ng/ml

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

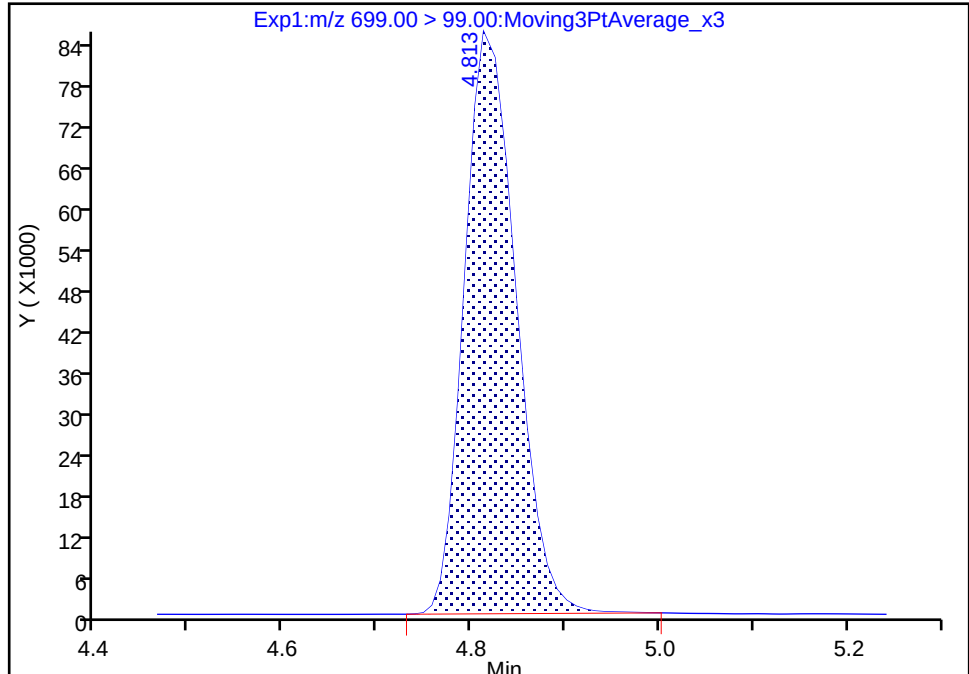
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 2

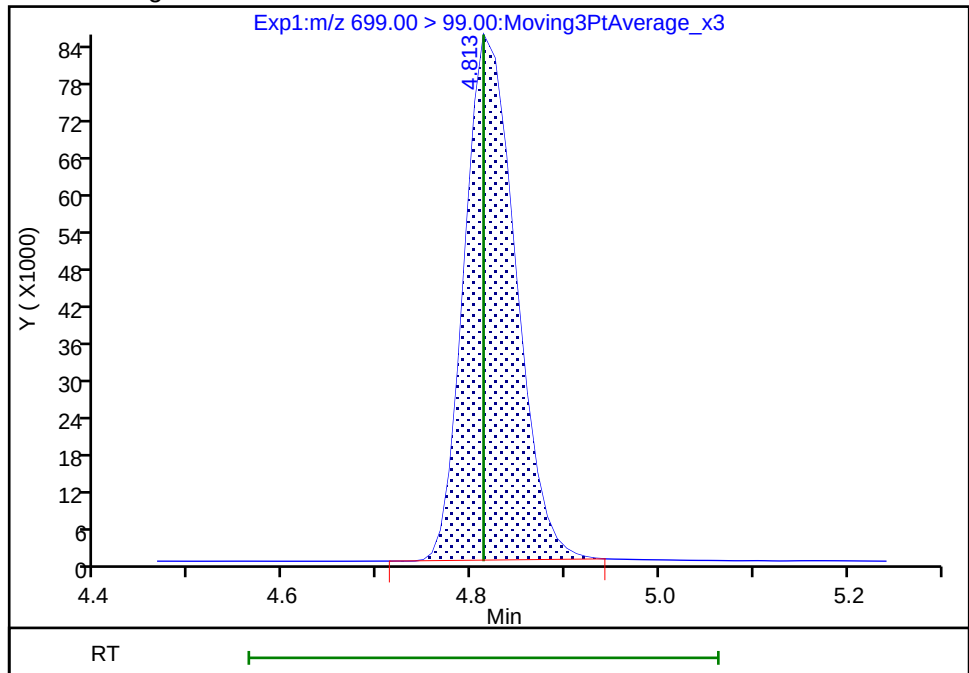
RT: 4.81
Area: 325434
Amount: 0.871049
Amount Units: ng/ml

Processing Integration Results



RT: 4.81
Area: 323544
Amount: 0.902190
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:50:35
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

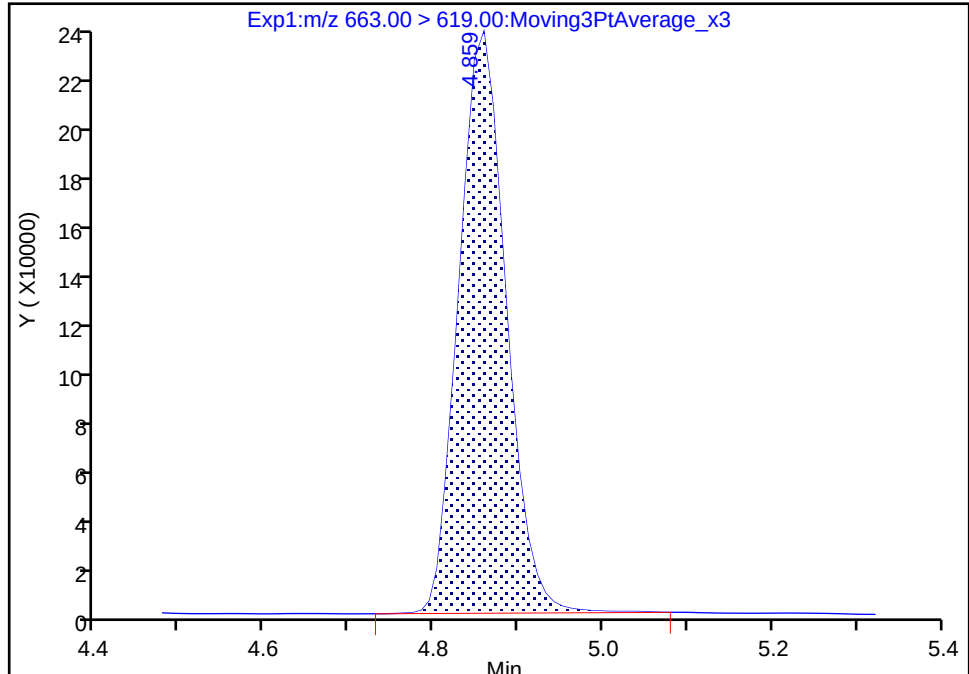
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

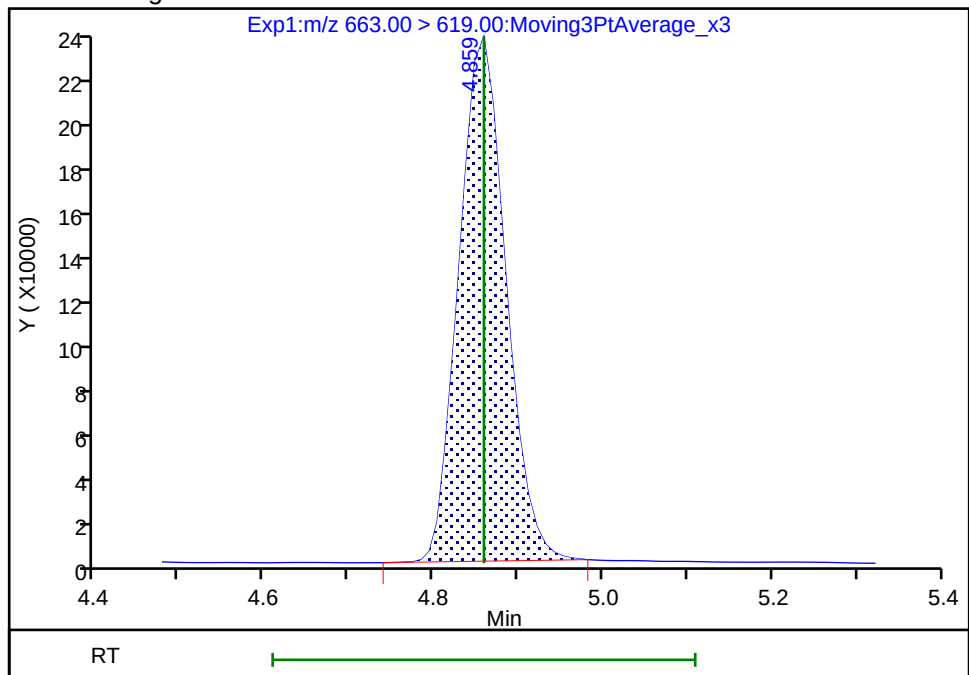
RT: 4.86
Area: 908882
Amount: 1.015767
Amount Units: ng/ml

Processing Integration Results



RT: 4.86
Area: 899529
Amount: 1.024937
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:50:40
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

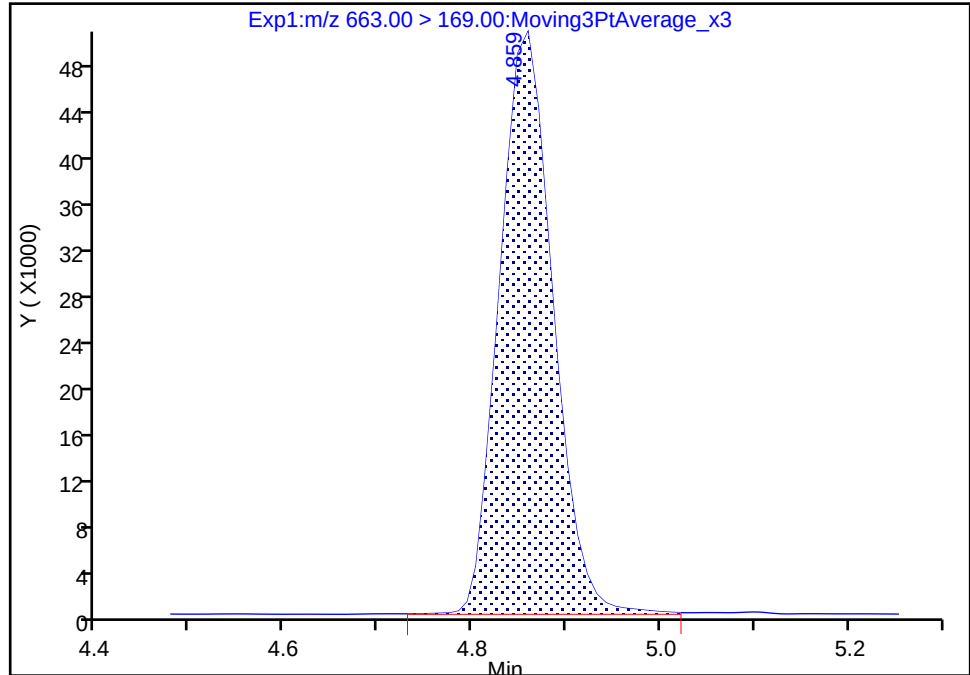
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

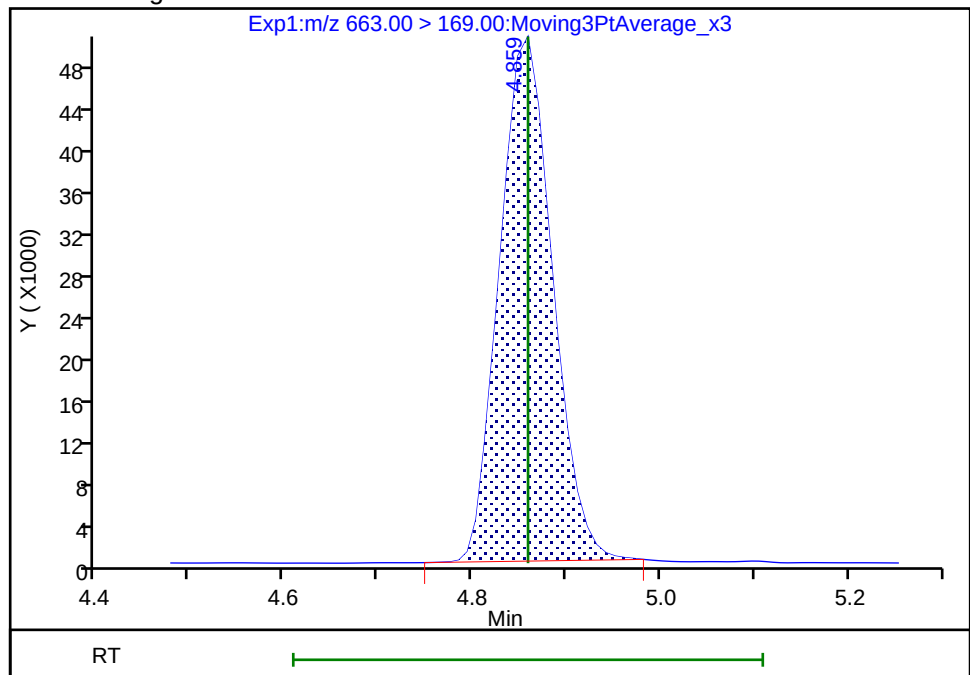
RT: 4.86
Area: 200689
Amount: 1.015767
Amount Units: ng/ml

Processing Integration Results



RT: 4.86
Area: 197181
Amount: 1.024937
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:50:44

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

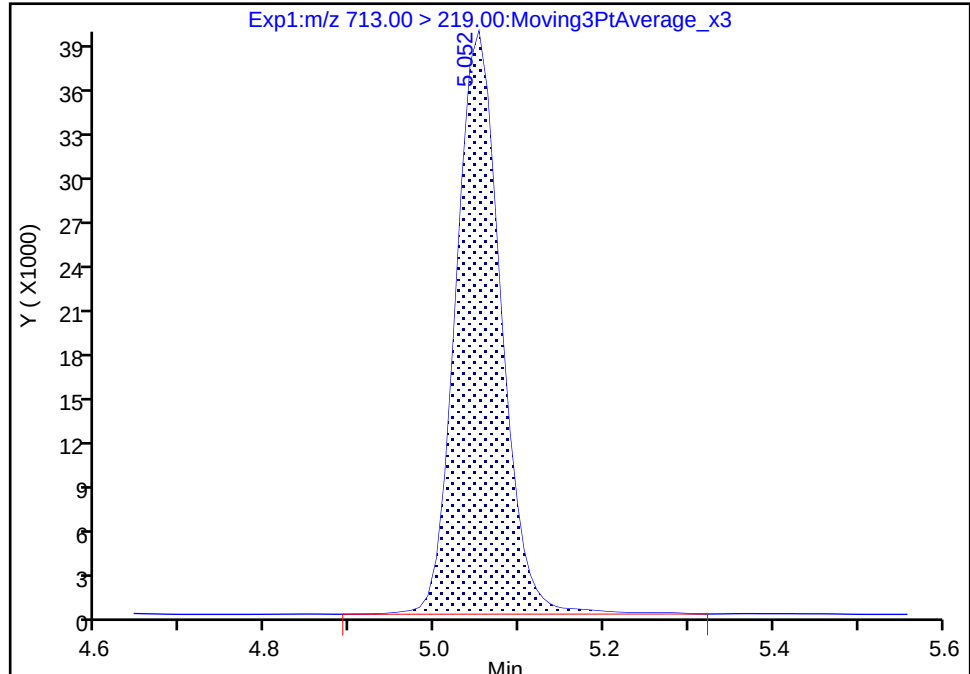
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

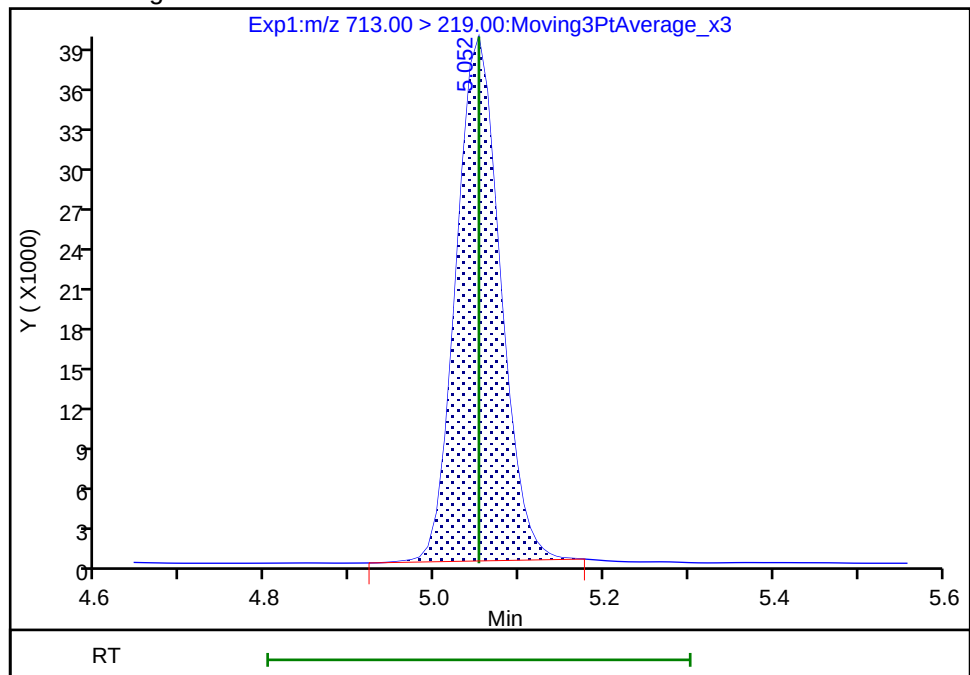
RT: 5.05
Area: 144950
Amount: 0.991640
Amount Units: ng/ml

Processing Integration Results



RT: 5.05
Area: 141742
Amount: 0.983337
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:50:49
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

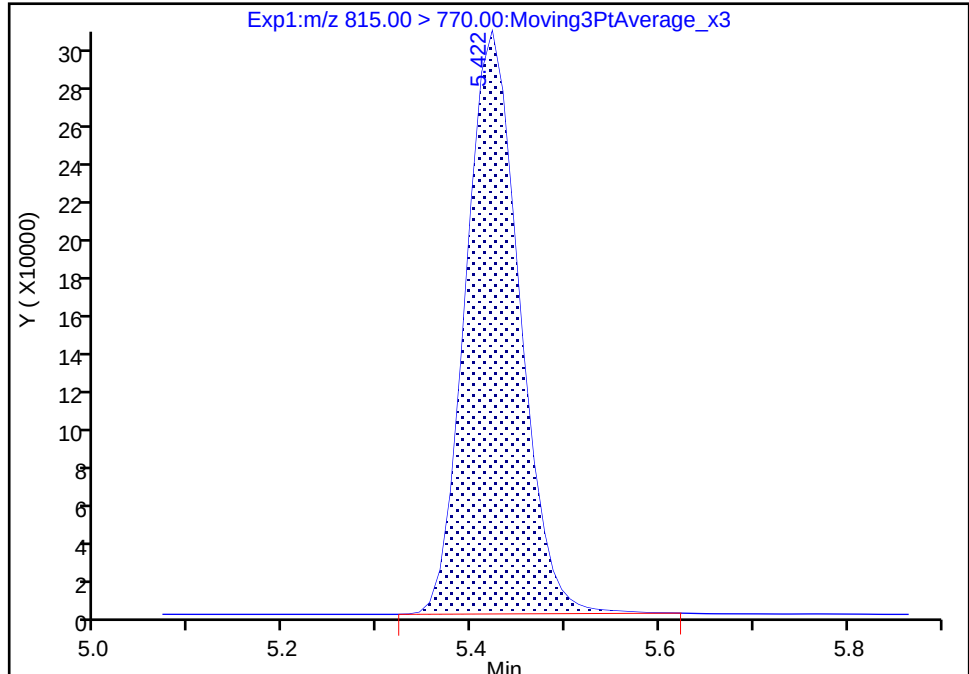
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 44 13C2 PFHxDA, CAS: STL02115

Signal: 1

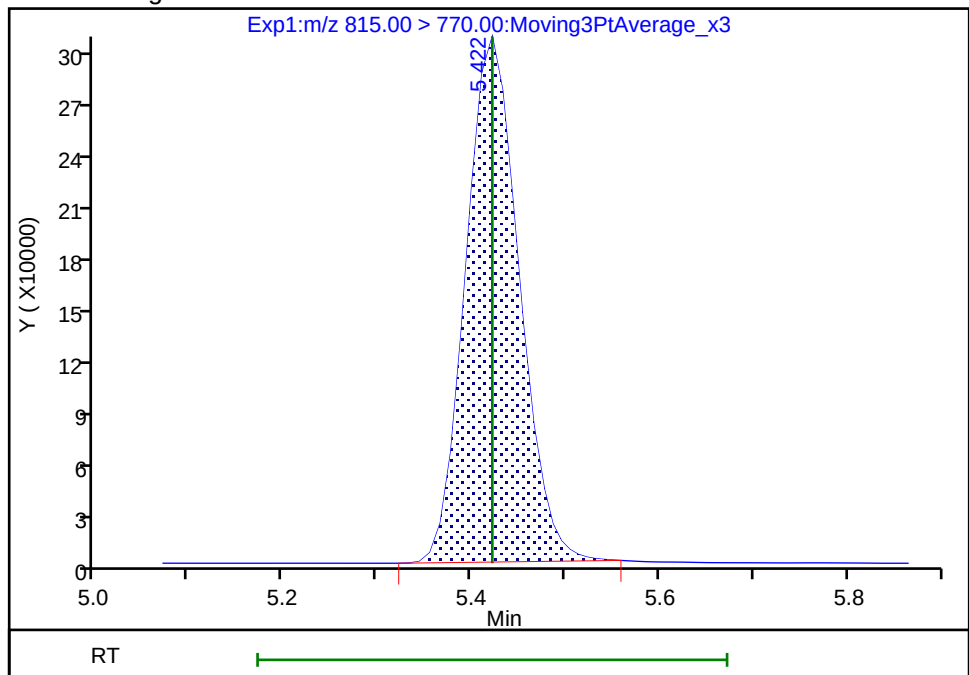
RT: 5.42
Area: 1211380
Amount: 1.228044
Amount Units: ng/ml

Processing Integration Results



RT: 5.42
Area: 1201939
Amount: 1.236162
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:50:56
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

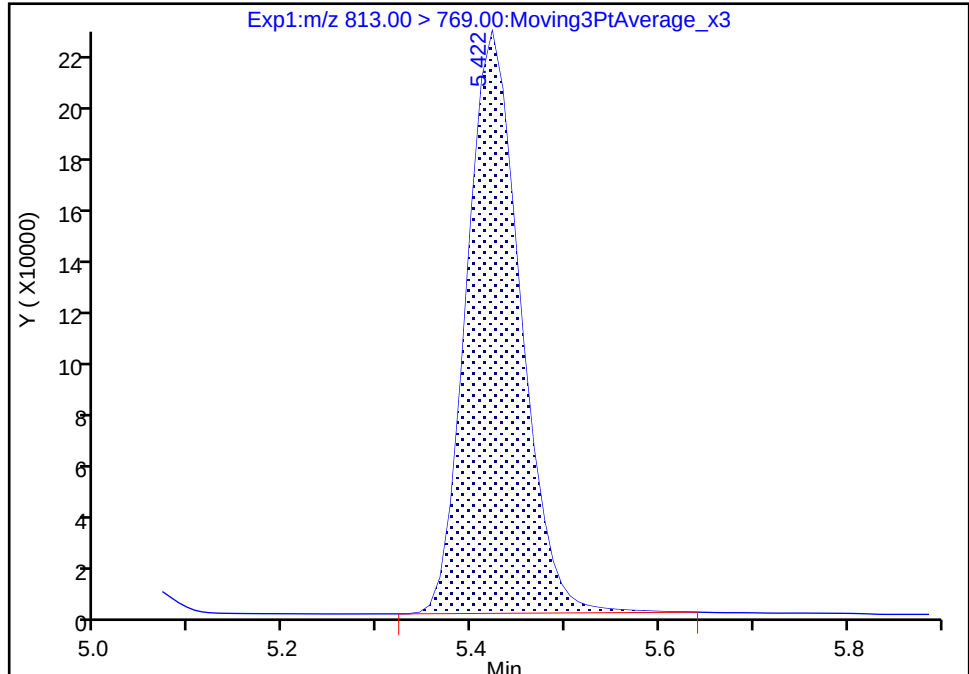
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 1

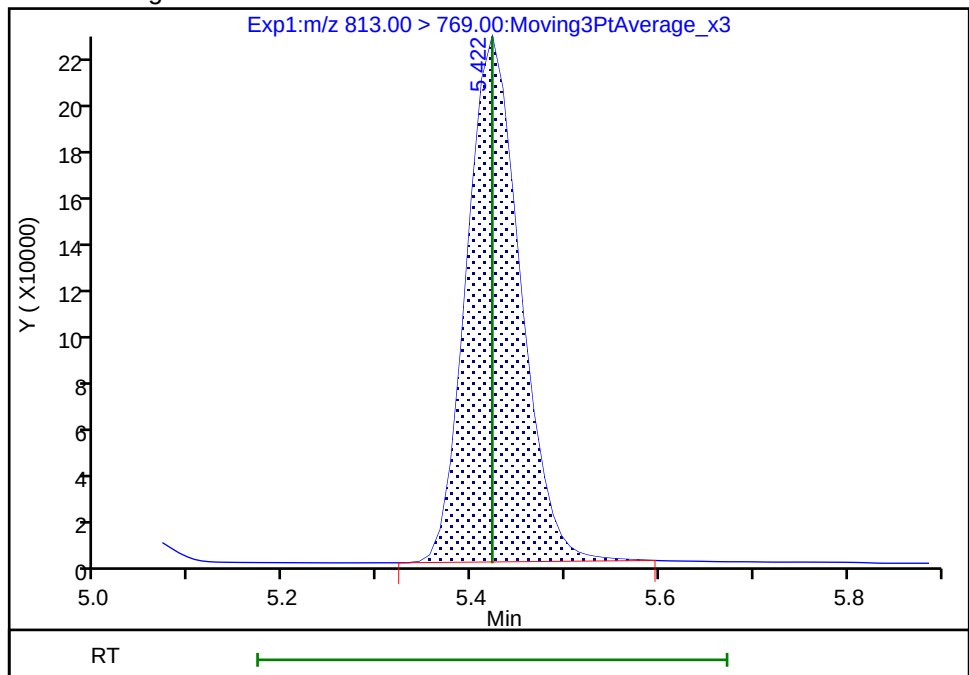
RT: 5.42
Area: 894432
Amount: 1.035439
Amount Units: ng/ml

Processing Integration Results



RT: 5.42
Area: 890409
Amount: 1.015057
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:51:02
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

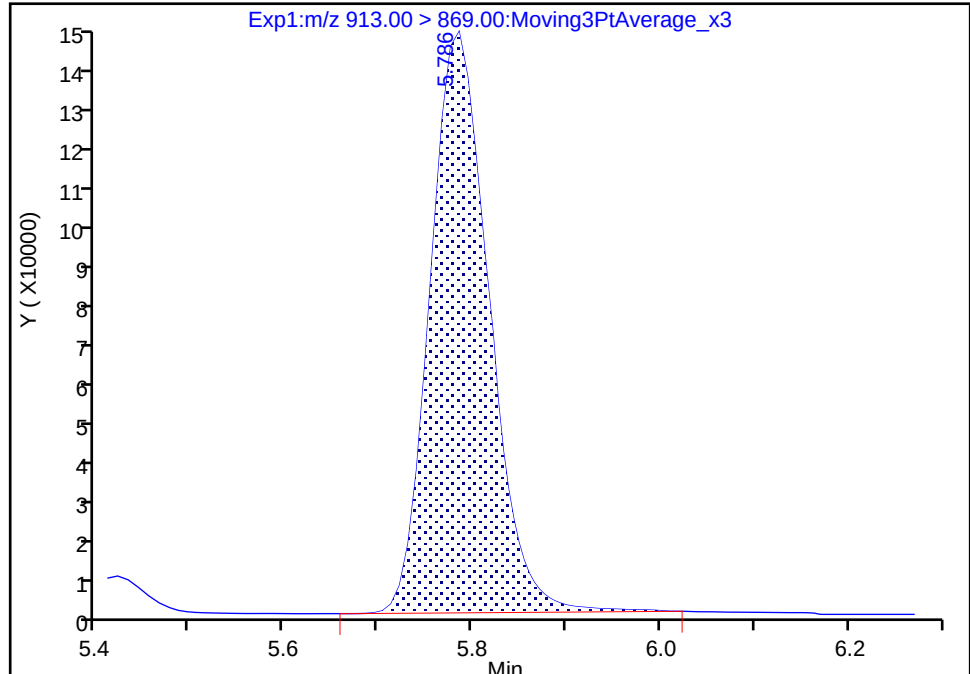
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

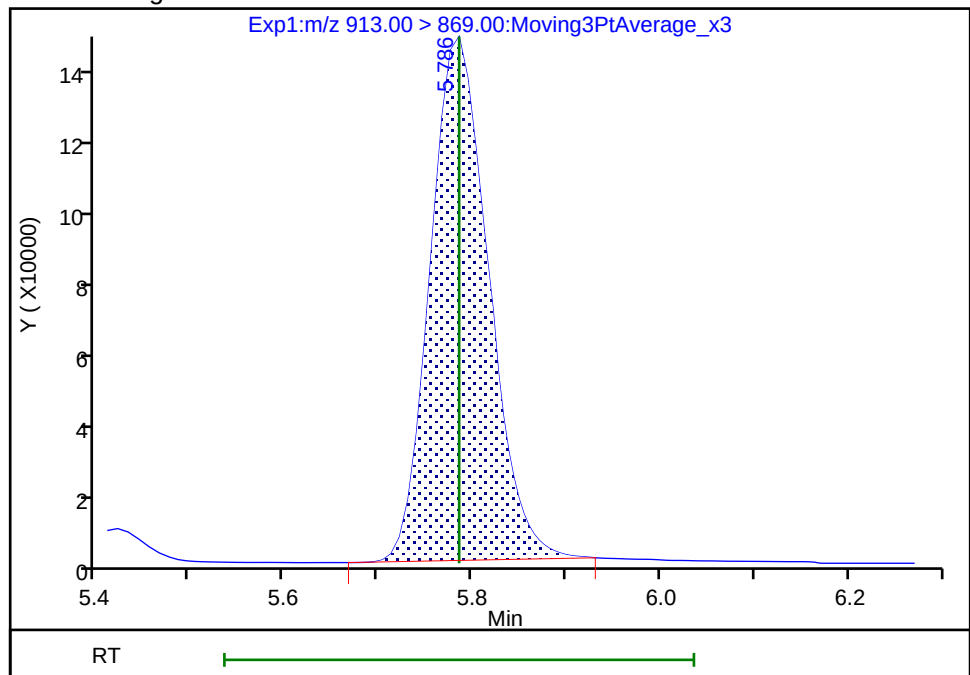
RT: 5.79
Area: 630547
Amount: 0.955708
Amount Units: ng/ml

Processing Integration Results



RT: 5.79
Area: 621162
Amount: 0.971577
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:51:07
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

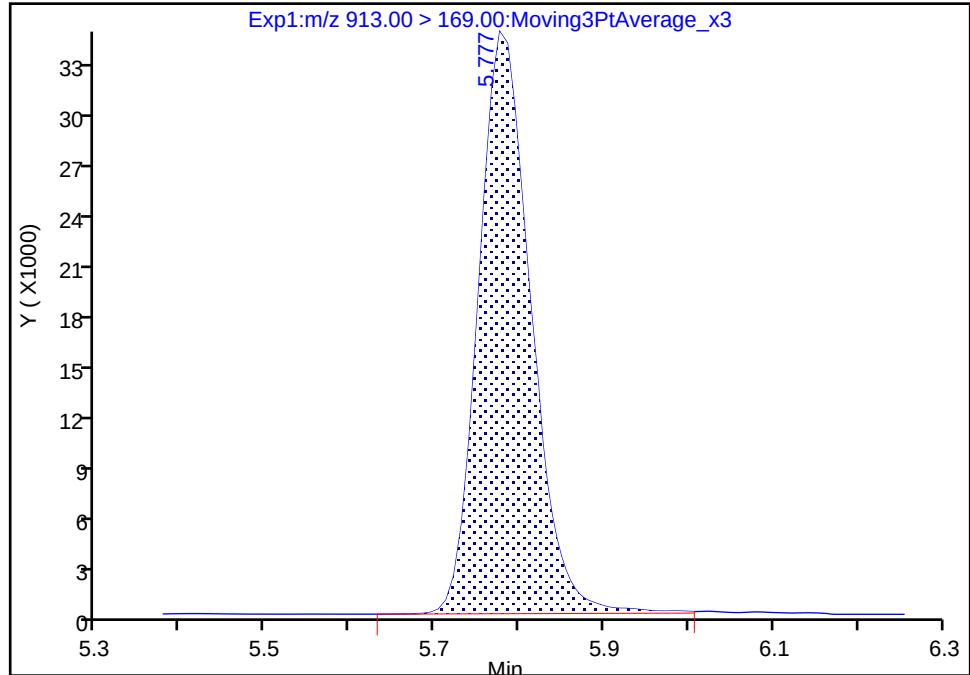
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

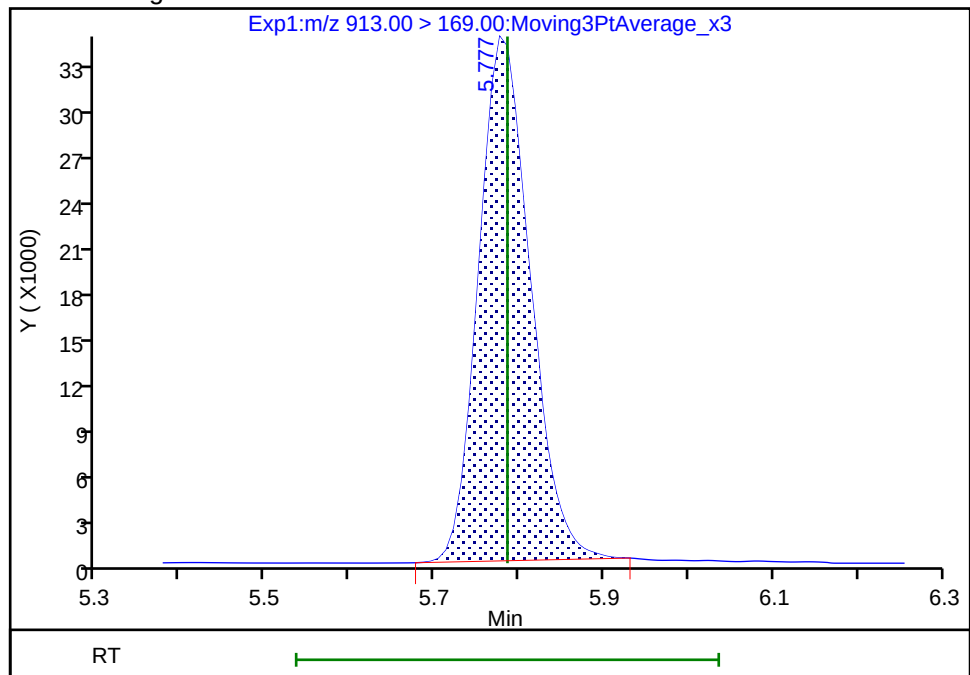
RT: 5.78
Area: 146878
Amount: 0.955708
Amount Units: ng/ml

Processing Integration Results



RT: 5.78
Area: 144019
Amount: 0.971577
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:51:10

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Page 527 of 1695

08/18/2022

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 03-Aug-2022 13:33:00 ALS Bottle#: 6 Worklist Smp#: 9
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: IC
 Misc. Info.: 200-0051940-009 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Sublist: chrom-PFC_LC812*sub3
 Method: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 03-Aug-2022 14:25:30 Calib Date: 03-Aug-2022 13:41:11
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1672

First Level Reviewer: Z1IP

Date: 03-Aug-2022 14:01:20

Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										M
217.00 > 172.00	2.085	2.085	0.0	0.597	1857803	1.24		98.9	8594	M
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.085	2.085	0.0	1.000	3187659	2.21		88.5	417	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.400	2.400	0.0	0.688	1404065	1.21		97.2	3066	
4 Perfluoropentanoic acid										
262.90 > 219.00	2.400	2.400	0.0	1.000	2656548	2.29		91.8	111	
D 47 13C3 PFBS										
301.90 > 80.00	2.413	2.413	0.0	0.691	1554917	1.16		100	252152	
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.426	2.413	0.013	1.006	2999148	2.03	Target=2.18	91.9	2502	M
298.90 > 99.00	2.426	2.413	0.013	1.006	1400745		2.14(1.09-3.28)	91.9	1144	
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.713	2.713	0.0	0.777	134930	1.17		100	152	M
61 1H,1H,2H,2H-perfluorohexanesulfo										M
327.00 > 307.00	2.713	2.713	0.0	1.000	611993	2.23		95.4	2786	M
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.762	2.750	0.012	1.004	2758598	2.31	Target=12.37	92.5	579	M
313.00 > 119.00	2.762	2.750	0.012	1.004	215969		12.77(6.19-18.56)	92.5	317	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.749	2.750	-0.001	0.788	1429283	1.24		99.1	2346	
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.762	2.762	0.0	0.885	2602336	2.16	Target=3.00	92.0	2303	M
349.00 > 99.00	2.762	2.762	0.0	0.885	898623		2.90(1.50-4.50)	92.0	1451	
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.871	2.859	0.012	0.823	269301	1.24		99.2	2239	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
67 Perfluoro(2-propoxypropanoic) ac										M
285.00 > 169.00	2.871	2.859	0.012	1.000	526717	2.28		91.0	1978	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.132	3.121	0.011	0.897	1462731	1.22		97.7	2802	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.132	3.121	0.011	1.000	2794876	2.32	Target=3.68	92.7	624	M
363.00 > 169.00	3.132	3.121	0.011	1.000	738346		3.79(1.84-5.52)	92.7	784	M
D 11 18O2 PFHxS										M
403.00 > 84.00	3.121	3.121	0.0	0.894	1100091	1.17		98.9	1693	M
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.121	3.121	0.0	1.000	2100026	2.05	Target=3.52	90.0	1379	M
399.00 > 99.00	3.121	3.121	0.0	1.000	613809		3.42(1.76-5.27)	90.0	626	M
77 DONA										M
377.00 > 251.00	3.165	3.165	0.0	0.833	6067195	2.13	Target=2.78	90.6	1751	M
377.00 > 85.00	3.165	3.165	0.0	0.833	2193406		2.77(1.39-4.17)	90.6	1197	M
D 12 M2-6:2 FTS										M
429.00 > 81.00	3.472	3.474	-0.002	0.995	182060	1.16		97.4	503	M
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.472	3.474	-0.002	1.000	517908	2.30		97.1	474	M
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.472	3.474	-0.002	0.914	1868882	2.19	Target=4.99	92.1	1851	M
449.00 > 99.00	3.472	3.474	-0.002	0.914	388606		4.81(2.50-7.49)	92.1	1175	M
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.490	3.482	0.008	1.002	3024763	2.27	Target=2.64	90.8	316	M
413.00 > 169.00	3.481	3.482	-0.001	1.000	1134261		2.67(1.32-3.96)	90.8	1376	M
D 14 13C4 PFOA										M
417.00 > 372.00	3.481	3.482	-0.001	0.998	1484954	1.21		96.8	1580	M
* 62 13C2 PFOA										M
415.00 > 370.00	3.490	3.482	0.008		1609879	1.25			1807	M
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.801	3.802	-0.001	1.000	1565335	2.26	Target=4.77	97.5	714	M
499.00 > 99.00	3.801	3.802	-0.001	1.000	335836		4.66(2.38-7.15)	97.5	763	M
D 18 13C4 PFOS										M
503.00 > 80.00	3.801	3.802	-0.001	1.089	824732	1.17		98.2	1613	M
20 Perfluorononanoic acid										M
463.00 > 419.00	3.821	3.822	-0.001	1.000	2908604	2.30	Target=7.92	92.2	861	
463.00 > 169.00	3.821	3.822	-0.001	1.000	369381		7.87(3.96-11.88)	92.2	994	M
D 19 13C5 PFNA										
468.00 > 423.00	3.821	3.822	-0.001	1.095	1550788	1.22		97.4	2911	
69 9-Chlorohexadecafluoro-3-oxanona										M
531.00 > 351.00	3.969	3.969	0.0	1.044	2607229	2.14		91.8	2633	M
68 Perfluorononanesulfonic acid										M
549.00 > 80.00	4.104	4.093	0.011	1.080	1207870	2.24	Target=2.52	93.1	1449	M
549.00 > 99.00	4.104	4.093	0.011	1.080	477549		2.53(1.26-3.78)	93.1	1581	M
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.138	4.127	0.011	1.000	399769	2.28		95.1	1055	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.127	4.127	0.0	1.000	2964619	2.40	Target=9.74	95.8	1253	M
513.00 > 169.00	4.127	4.127	0.0	1.000	311853		9.51(4.87-14.60)	95.8	1256	M
D 23 13C2 PFDA										M
515.00 > 470.00	4.127	4.127	0.0	1.183	1471206	1.19		95.0	1753	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.138	4.138	0.0	1.186	217682	1.15		95.9	881	
D 21 13C8 FOSA										M
506.00 > 78.00	4.184	4.173	0.011	1.199	1316398	1.21		97.1	1335	M
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.184	4.173	0.011	1.000	2577197	2.40		96.1	1784	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.273	4.273	0.0	1.000	350351	2.40		95.9	733	M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.273	4.273	0.0	1.224	205583	1.24		99.0	317	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.376	4.365	0.011	1.151	934202	2.32	Target=2.62	96.4	1664	M
599.00 > 99.00	4.376	4.365	0.011	1.151	353361		2.64(1.31-3.93)	96.4	916	M
D 30 13C2 PFUnA										M
565.00 > 520.00	4.398	4.399	-0.001	1.260	1162923	1.24		99.1	1776	M
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.398	4.399	-0.001	1.000	2312817	2.35	Target=8.83	93.9	1168	M
563.00 > 169.00	4.398	4.399	-0.001	1.000	264049		8.76(4.41-13.24)	93.9	1477	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.410	4.410	0.0	1.000	329631	2.32		92.9	645	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.410	4.410	0.0	1.264	195385	1.24		99.4	775	
66 11-Chloroeicosafuoro-3-oxaundec										M
631.00 > 451.00	4.504	4.491	0.013	1.185	3478140	2.19		93.1	1902	M
D 36 13C2 PFDaA										
615.00 > 570.00	4.633	4.633	0.0	1.327	1195679	1.23		98.3	2245	
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.643	4.633	0.010	1.002	2257049	2.33	Target=6.63	93.1	303	M
613.00 > 169.00	4.633	4.633	0.0	1.000	334655		6.74(3.32-9.95)	93.1	1448	M
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.663	4.654	0.009	1.127	188626	2.30		95.4	1150	
75 Perfluorododecanesulfonic acid (										M
699.00 > 80.00	4.825	4.813	0.011	1.269	396436	2.22	Target=0.54	91.8	1233	M
699.00 > 99.00	4.825	4.813	0.011	1.269	734014		0.54(0.27-0.81)	91.8	1473	M
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.859	4.859	0.0	1.049	1962703	2.33	Target=4.62	93.4	317	M
663.00 > 169.00	4.859	4.859	0.0	1.049	432883		4.53(2.31-6.94)	93.4	1242	M
D 43 13C2 PFTeDA										M
715.00 > 670.00	5.062	5.052	0.010	1.450	979883	1.23		98.5	1469	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.062	5.052	0.010	1.000	297564	2.37	Target=0.94	94.8	1044	M
713.00 > 219.00	5.052	5.052	0.0	0.998	304623		0.98(0.47-1.41)	94.8	1289	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
45 Perfluorohexadecanoic acid										M
813.00 > 769.00	5.422	5.422	0.0	1.000	1990402	2.46	Target=4.40	98.3	399	M
813.00 > 169.00	5.422	5.422	0.0	1.000	458670		4.34(2.20-6.59)	98.3	1612	M
D 44 13C2 PFHxDA										
815.00 > 770.00	5.422	5.422	0.0	1.554	1123333	1.24		99.2	4304	
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.785	5.786	-0.001	1.067	1396187	2.34	Target=4.42	93.5	266	M
913.00 > 169.00	5.785	5.786	-0.001	1.067	315550		4.42(2.21-6.63)	93.5	616	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PFAS32NCIC5_00028

Amount Added: 100.00

Units: uL

Eurofins Burlington

Data File: \\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

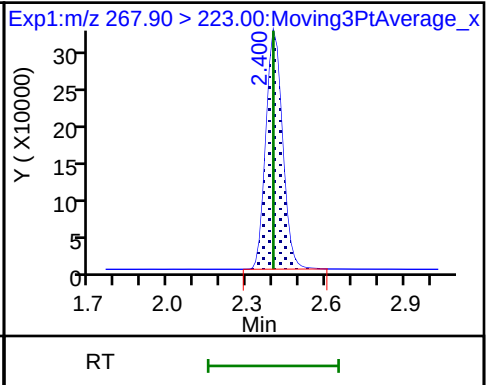
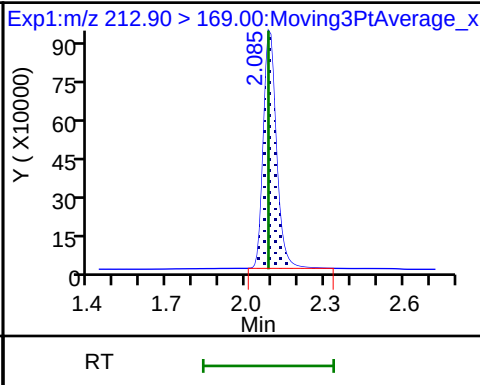
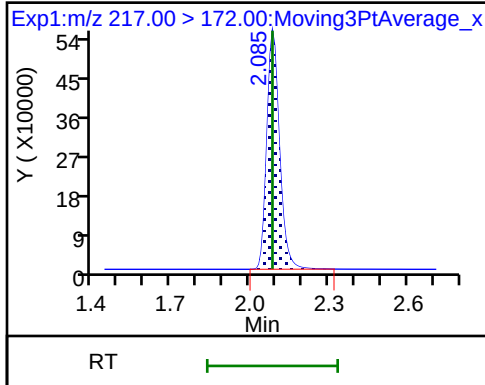
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA (M)

2 Perfluorobutanoic acid (M)

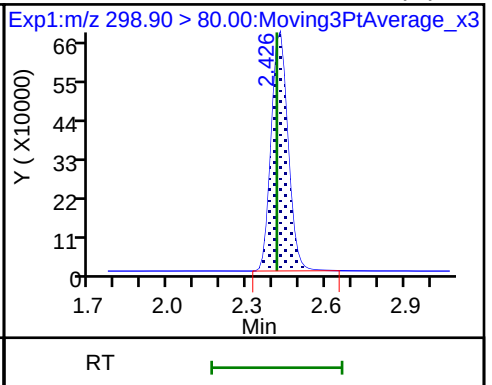
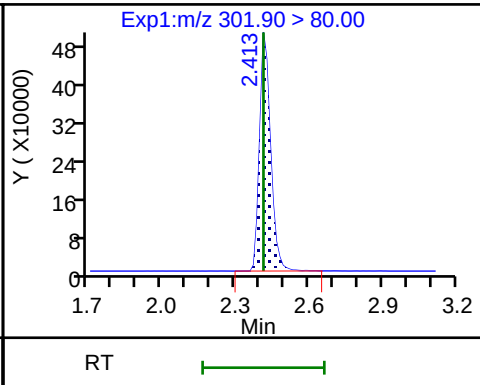
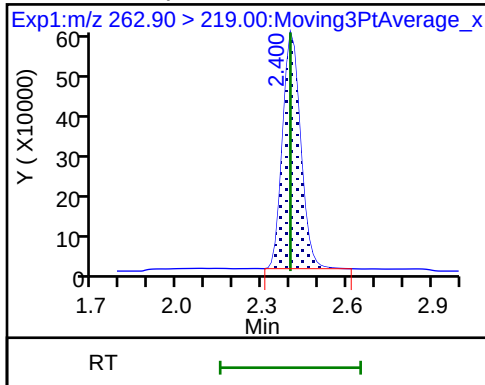
D 3 13C5 PFPeA



4 Perfluoropentanoic acid

D 47 13C3 PFBS

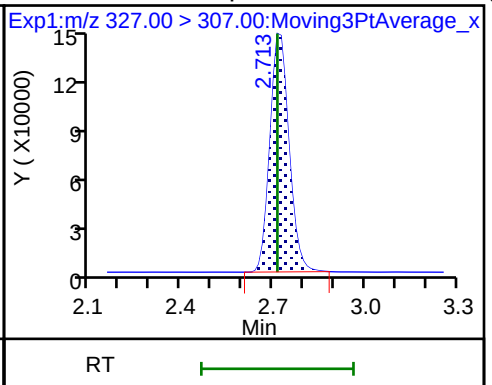
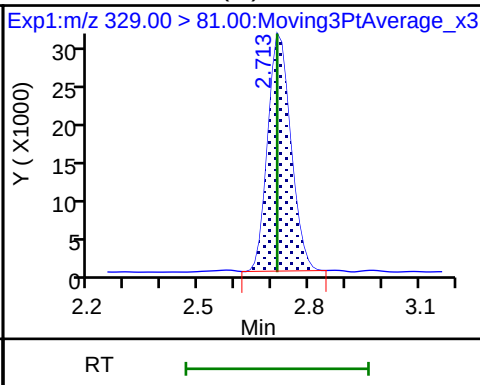
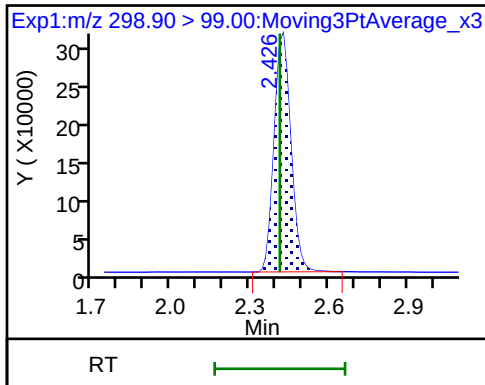
5 Perfluorobutanesulfonic acid (M)



5 Perfluorobutanesulfonic acid

D 60 M2-4:2 FTS (M)

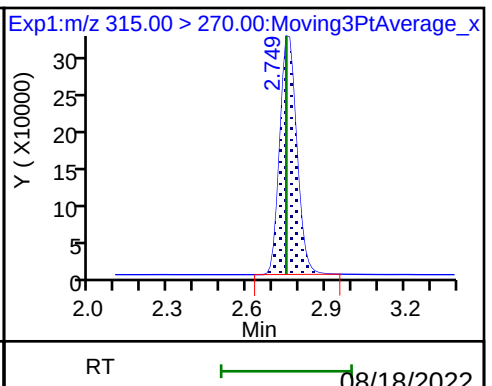
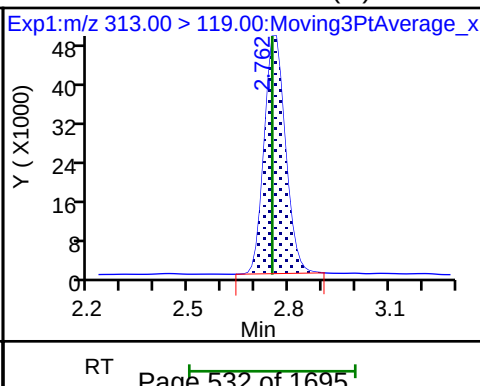
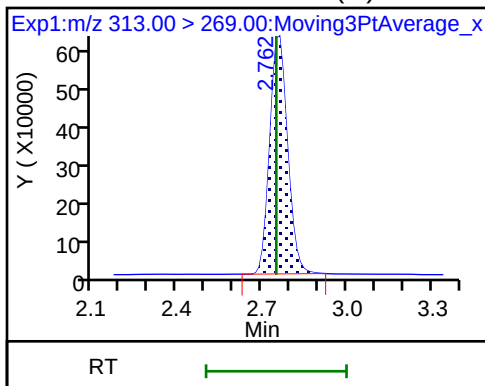
61 1H,1H,2H,2H-perfluorohexanesulfo (M)



6 Perfluorohexanoic acid (M)

6 Perfluorohexanoic acid (M)

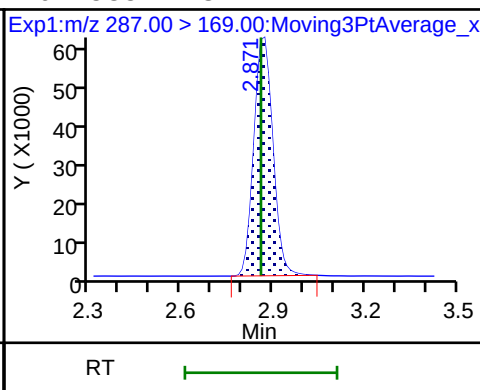
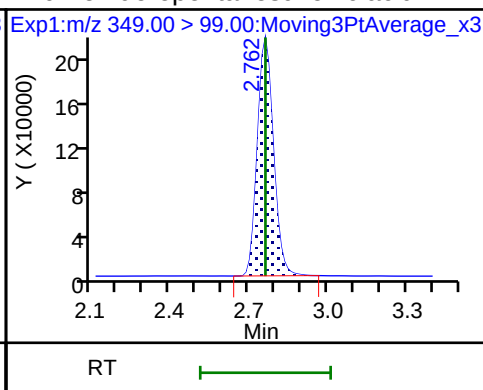
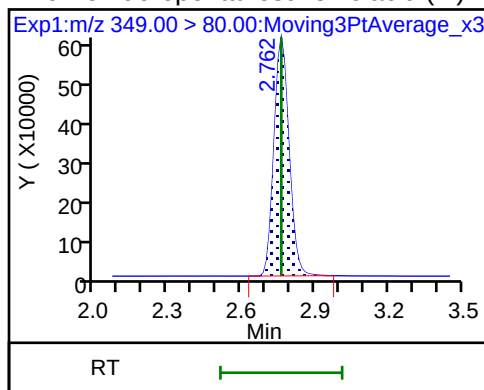
D 7 13C2 PFHxA



70 Perfluoropentanesulfonic acid (M)

70 Perfluoropentanesulfonic acid

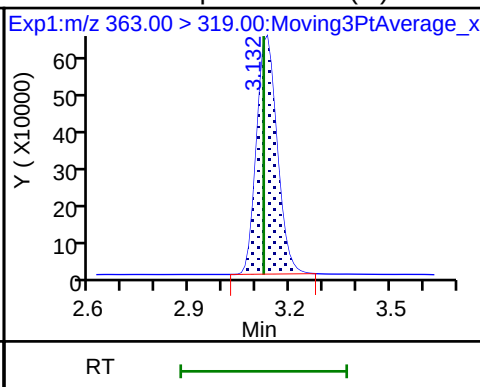
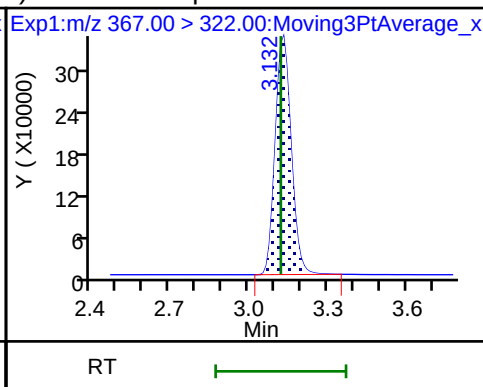
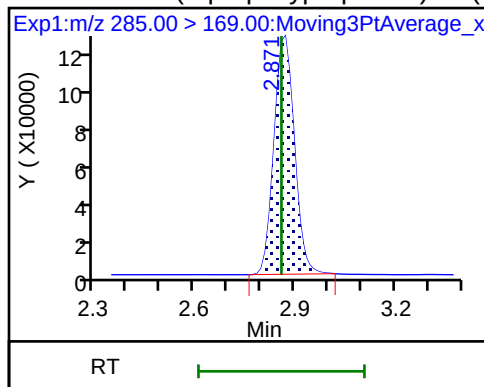
D 64 13C3 HFPO-DA



67 Perfluoro(2-propoxypropanoic) ac (M)

9 13C4 PFHpA

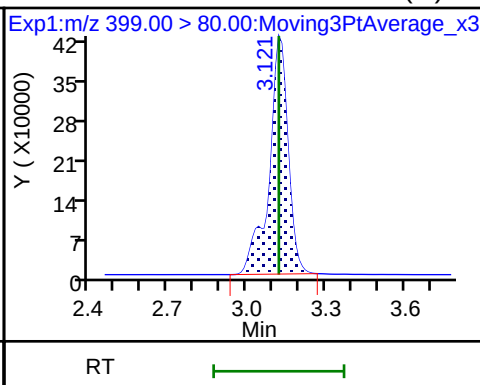
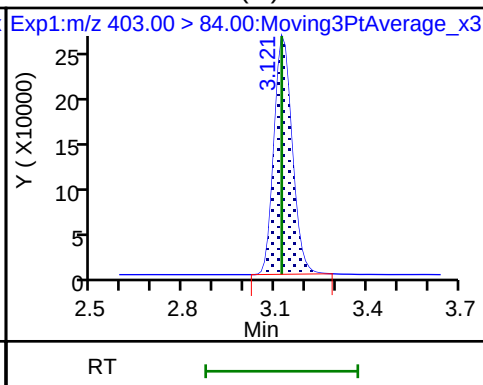
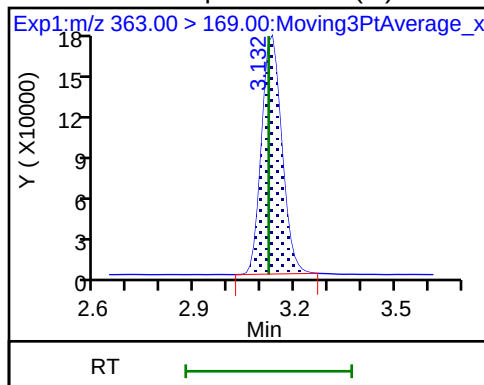
10 Perfluoroheptanoic acid (M)



10 Perfluoroheptanoic acid (M)

D 11 18O2 PFHxS (M)

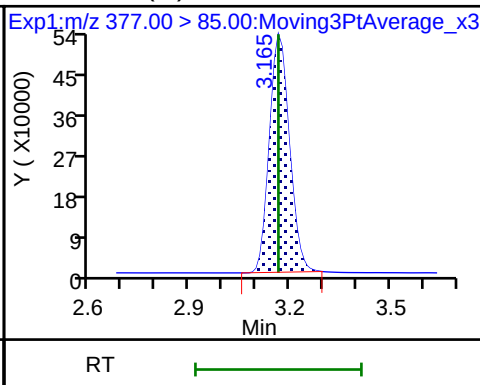
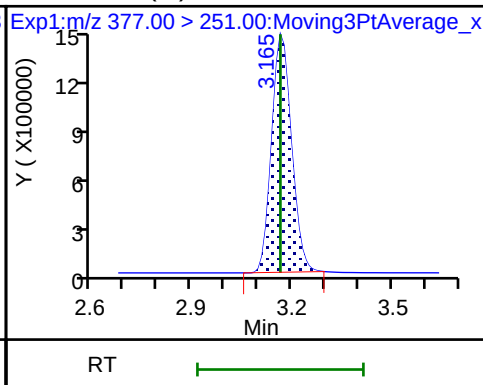
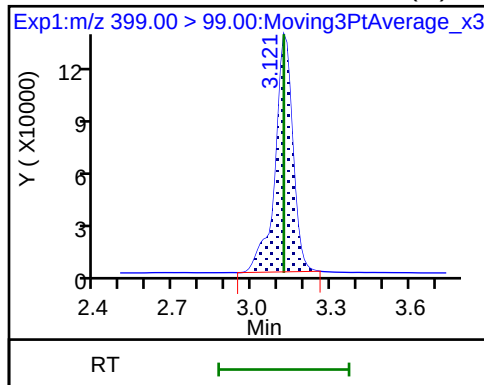
8 Perfluorohexanesulfonic acid (M)



8 Perfluorohexanesulfonic acid (M)

77 DONA (M)

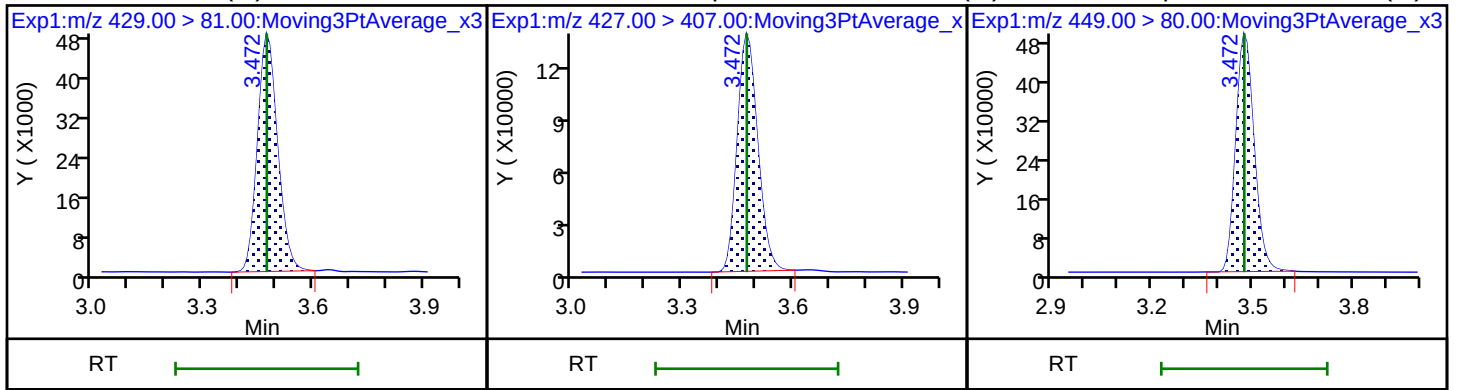
77 DONA (M)



D 12 M2-6:2 FTS (M)

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

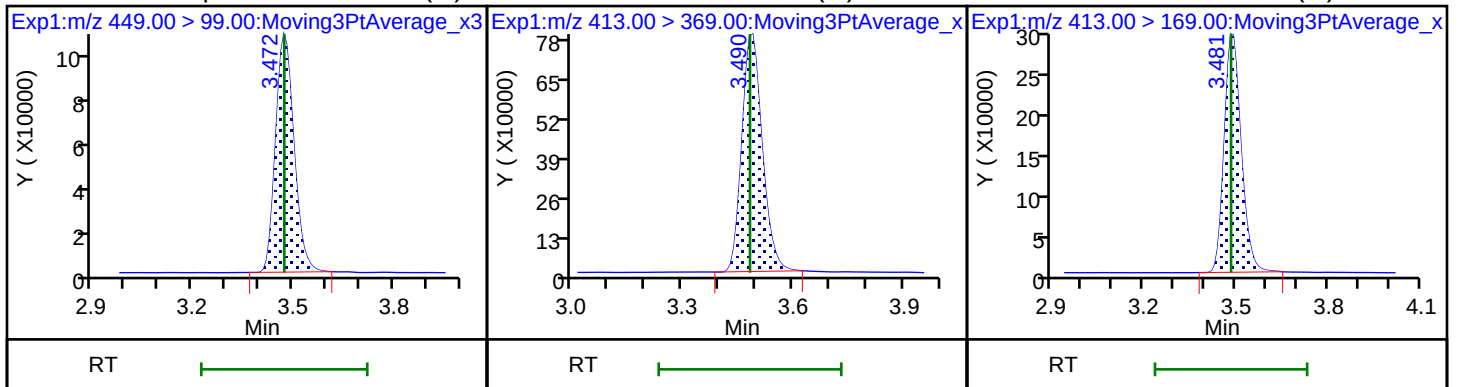
16 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M)

15 Perfluorooctanoic acid (M)

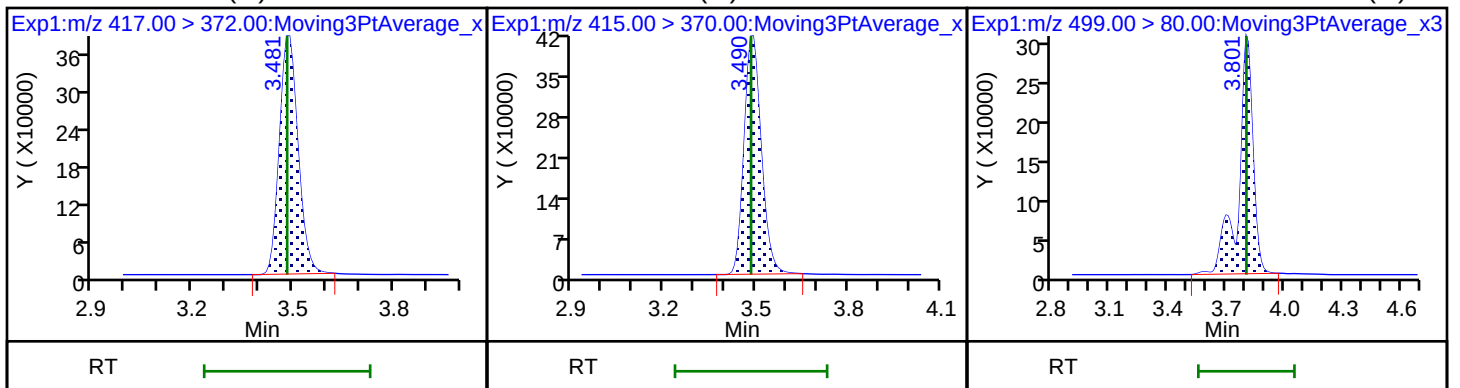
15 Perfluorooctanoic acid (M)



D 14 13C4 PFOA (M)

* 62 13C2 PFOA (M)

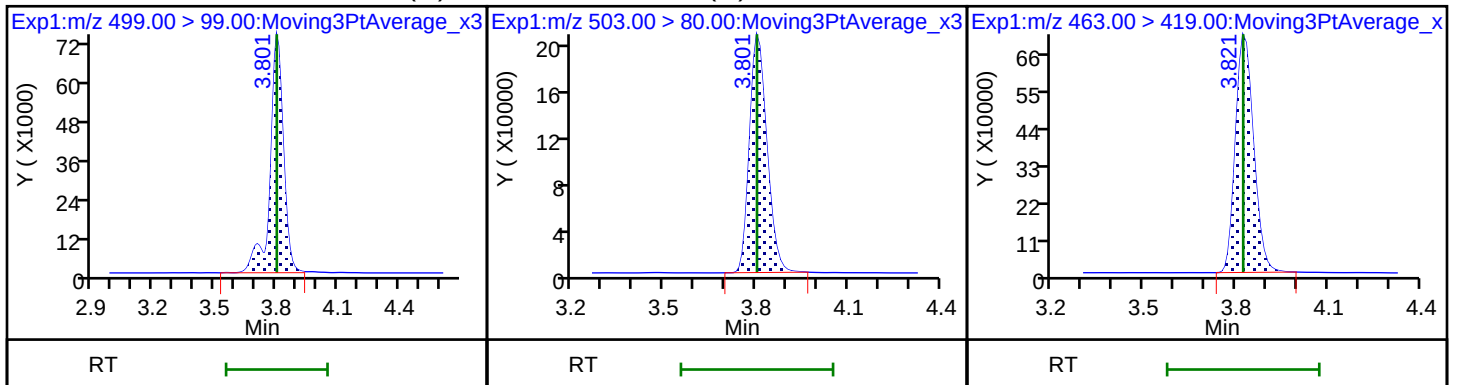
17 Perfluorooctanesulfonic acid (M)

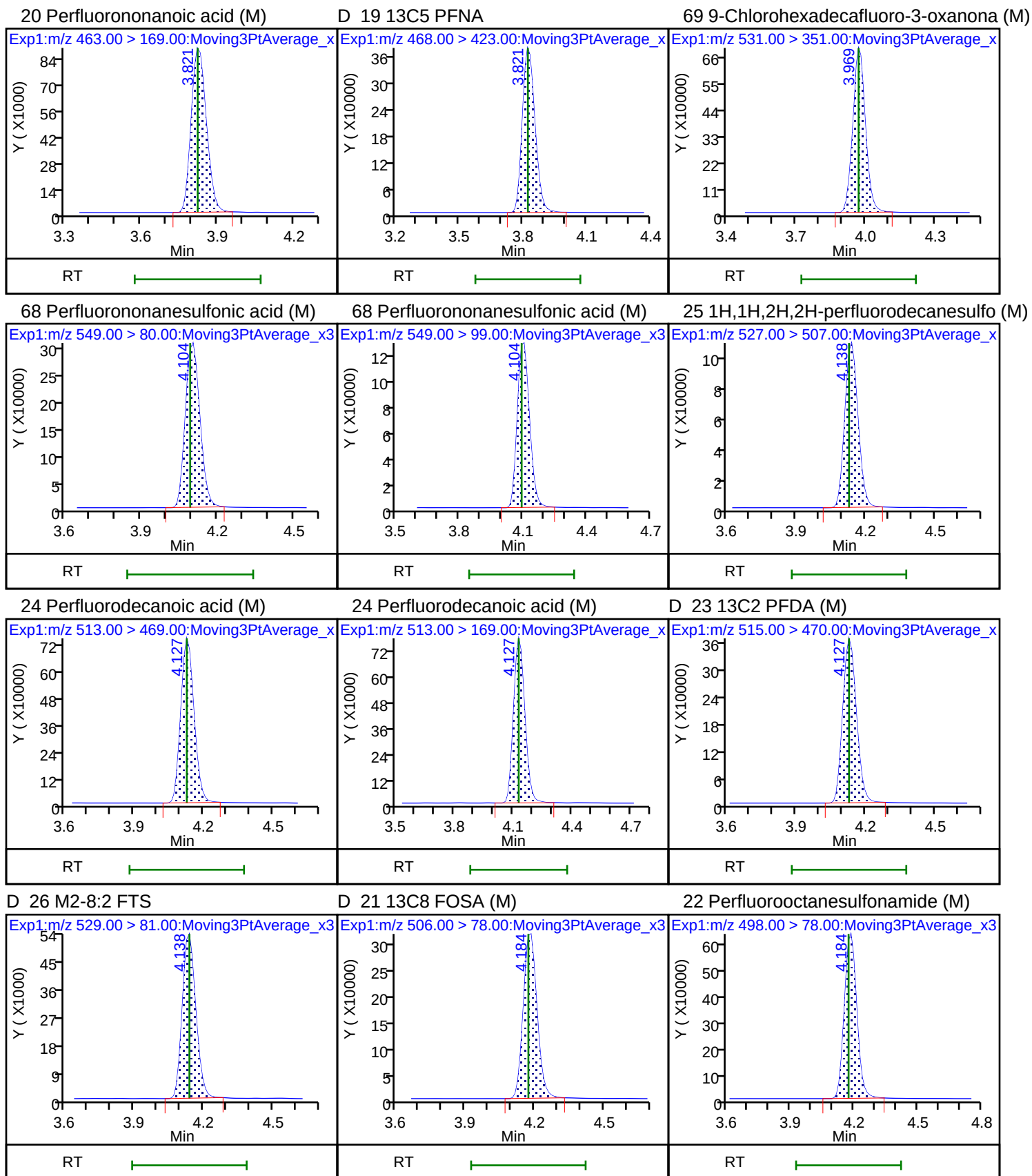


17 Perfluorooctanesulfonic acid (M)

D 18 13C4 PFOS (M)

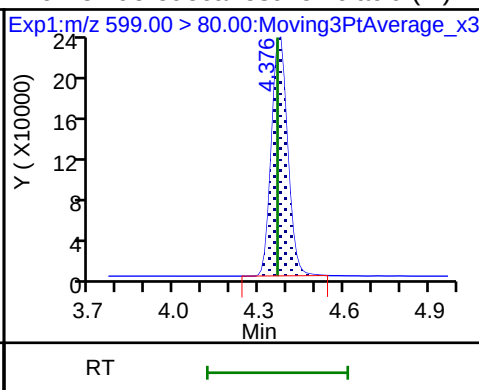
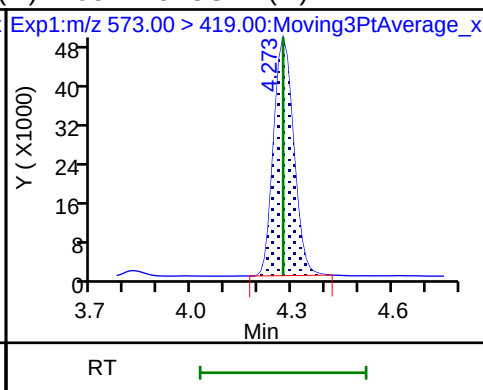
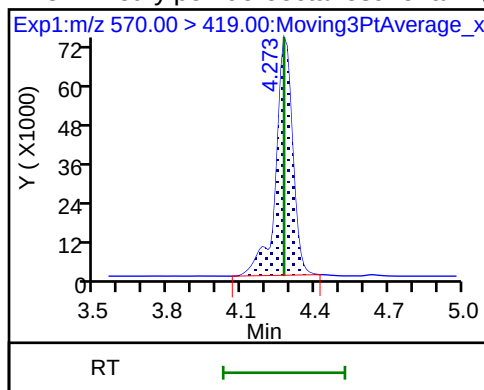
20 Perfluorononanoic acid





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

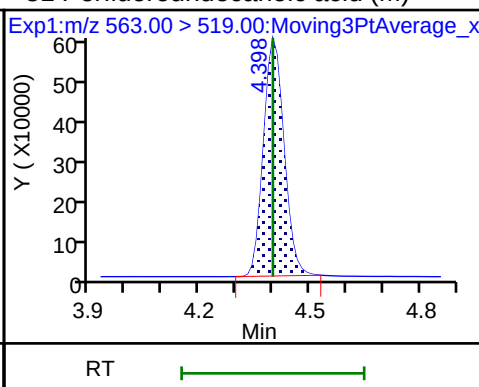
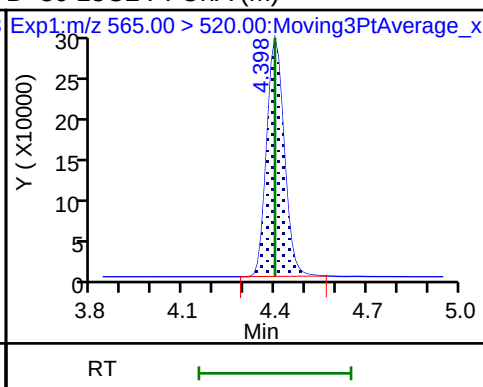
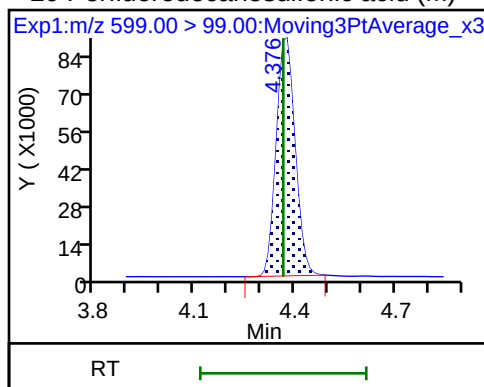
29 Perfluorodecanesulfonic acid (M)



29 Perfluorodecanesulfonic acid (M)

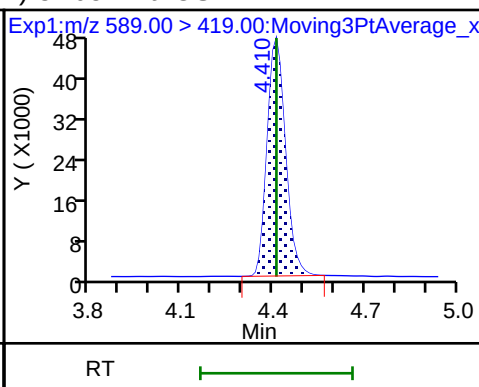
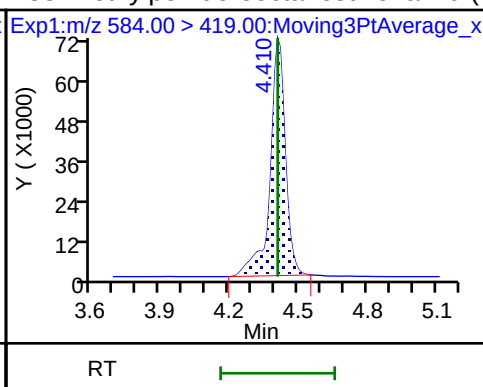
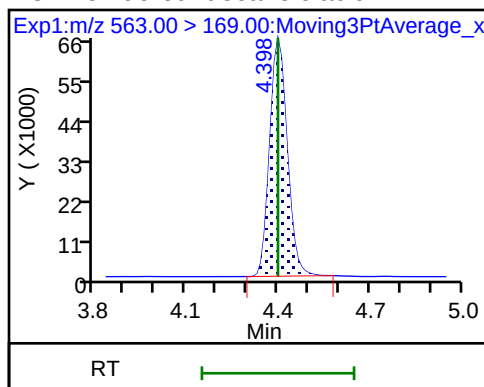
D 30 13C2 PFUnA (M)

31 Perfluoroundecanoic acid (M)



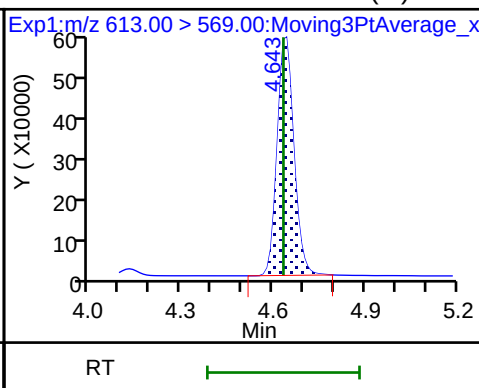
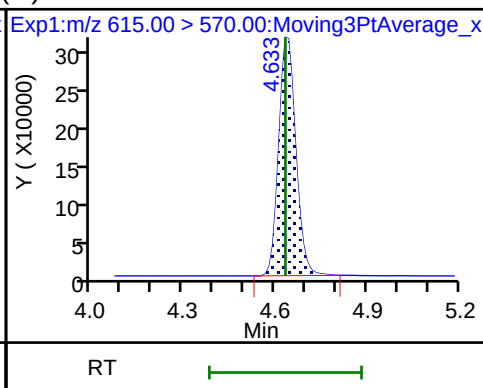
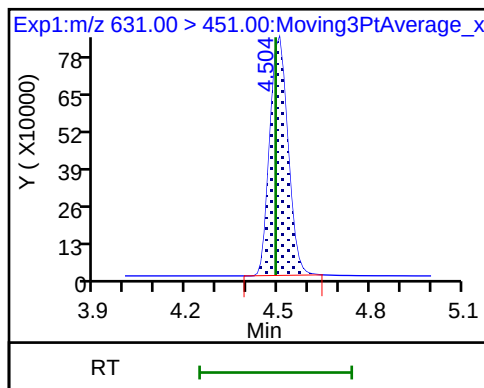
31 Perfluoroundecanoic acid

33 N-ethylperfluorooctanesulfonamid (M) 32 d5-NEtFOSAA



66 11-Chloroeicosafluoro-3-oxaundec (M) 36 13C2 PFDaA

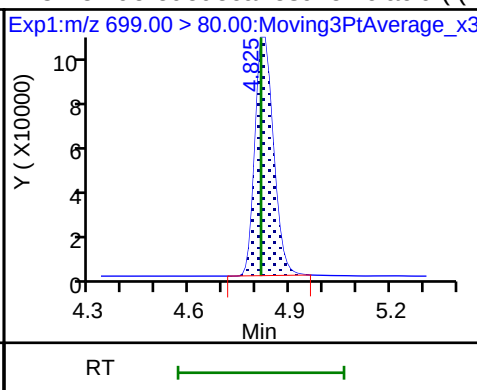
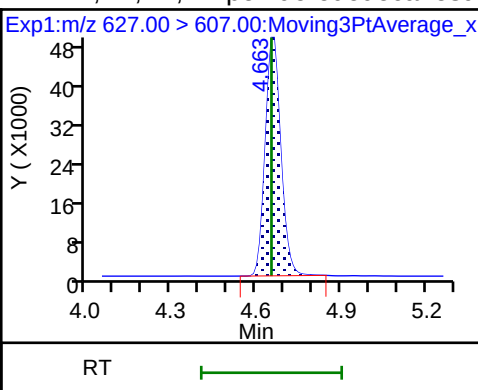
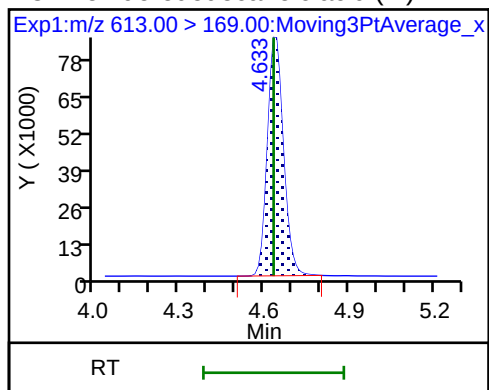
37 Perfluorododecanoic acid (M)



37 Perfluorododecanoic acid (M)

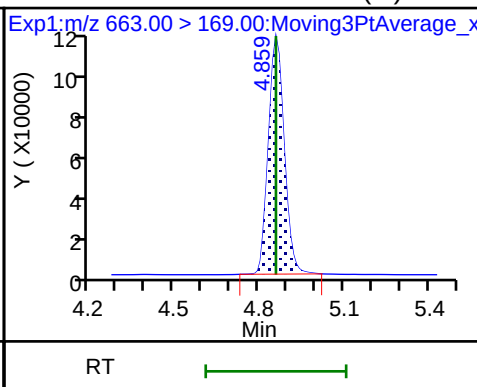
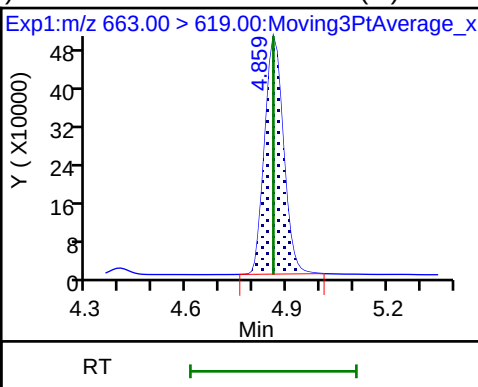
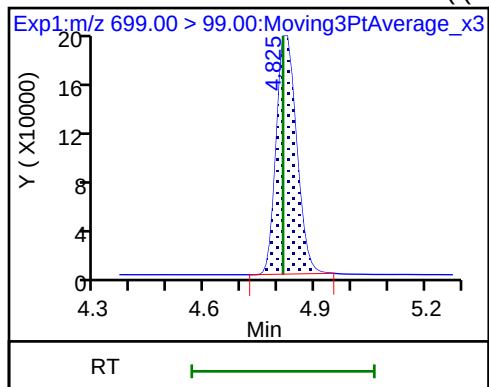
74 1H,1H,2H,2H-perfluorododecanesul

75 Perfluorododecanesulfonic acid (M)



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

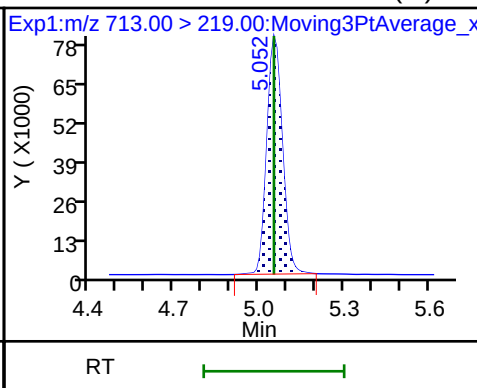
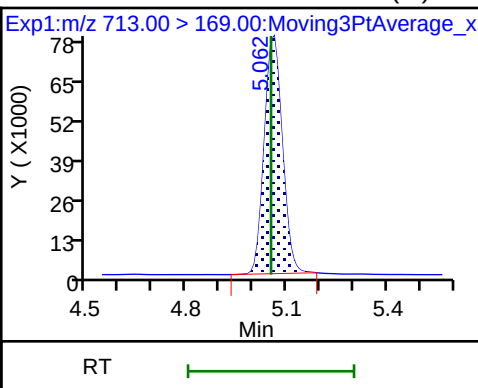
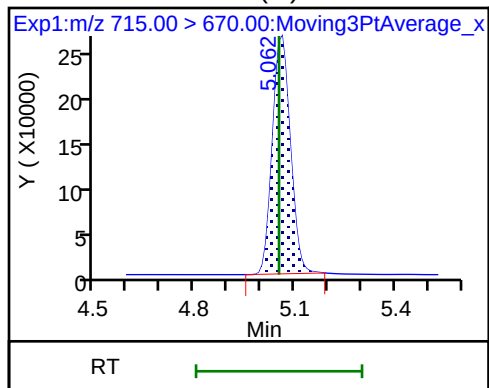
41 Perfluorotridecanoic acid (M)



D 43 13C2 PFTeDA (M)

42 Perfluorotetradecanoic acid (M)

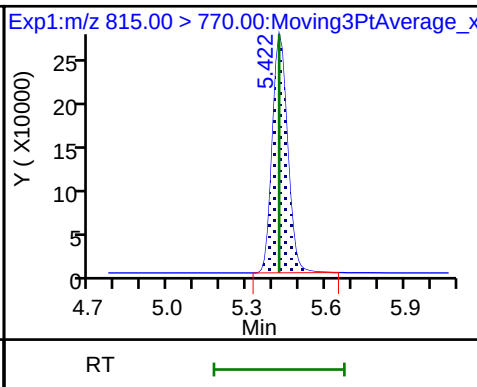
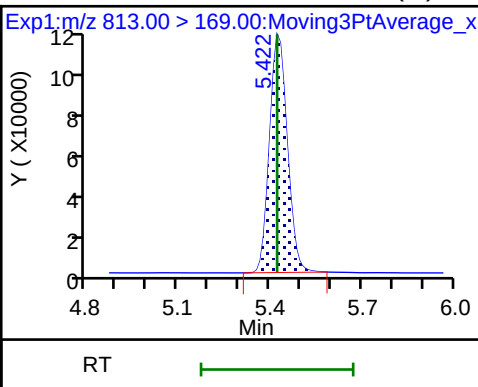
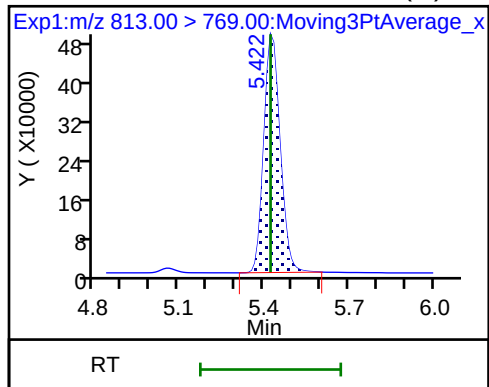
42 Perfluorotetradecanoic acid (M)



45 Perfluorohexadecanoic acid (M)

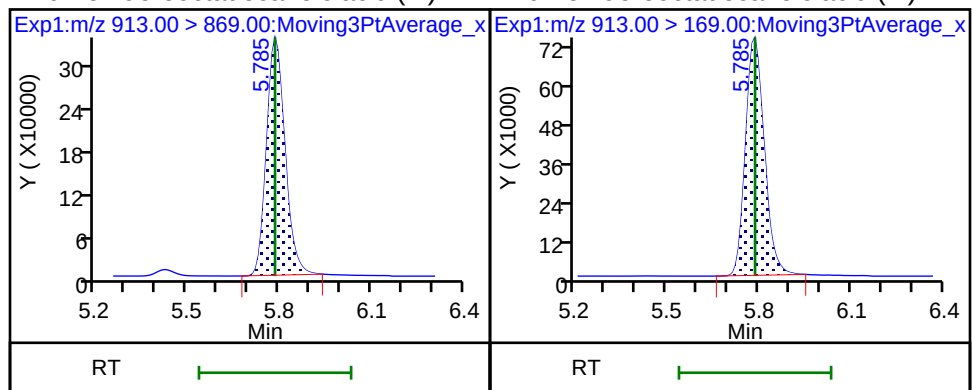
45 Perfluorohexadecanoic acid (M)

D 44 13C2 PFHxDA



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

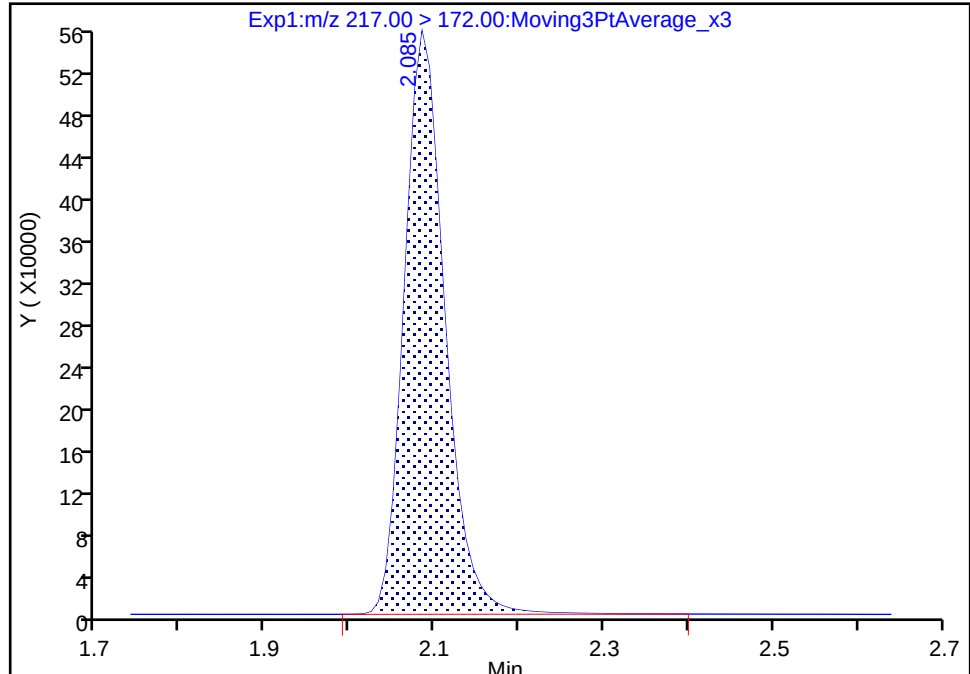
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 1 13C4 PFBA, CAS: STL00992

Signal: 1

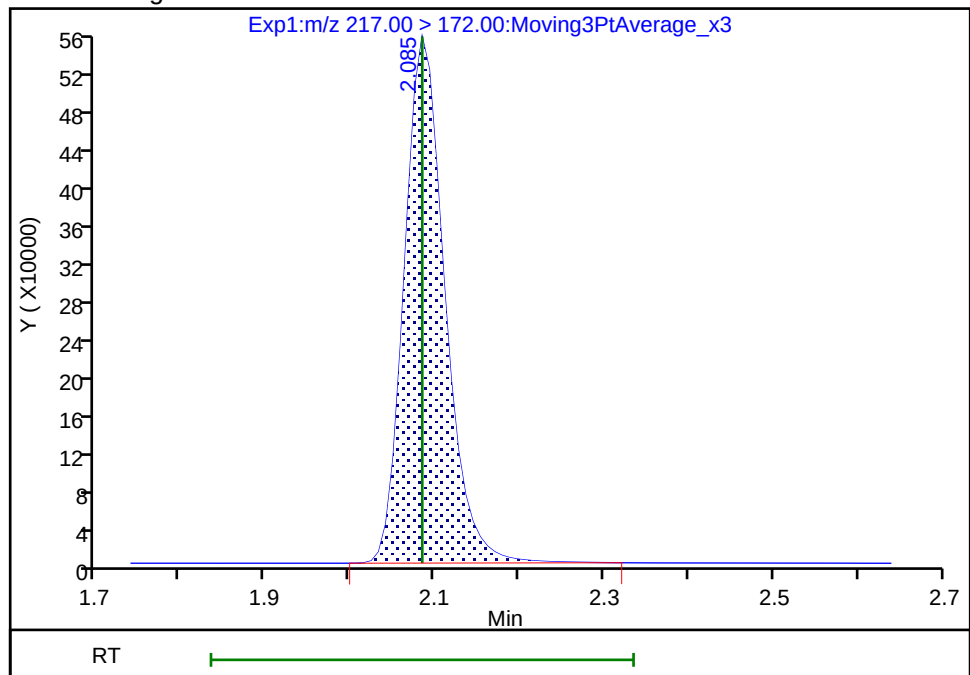
RT: 2.08
Area: 1861121
Amount: 1.242970
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 1857803
Amount: 1.236030
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:52:33

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

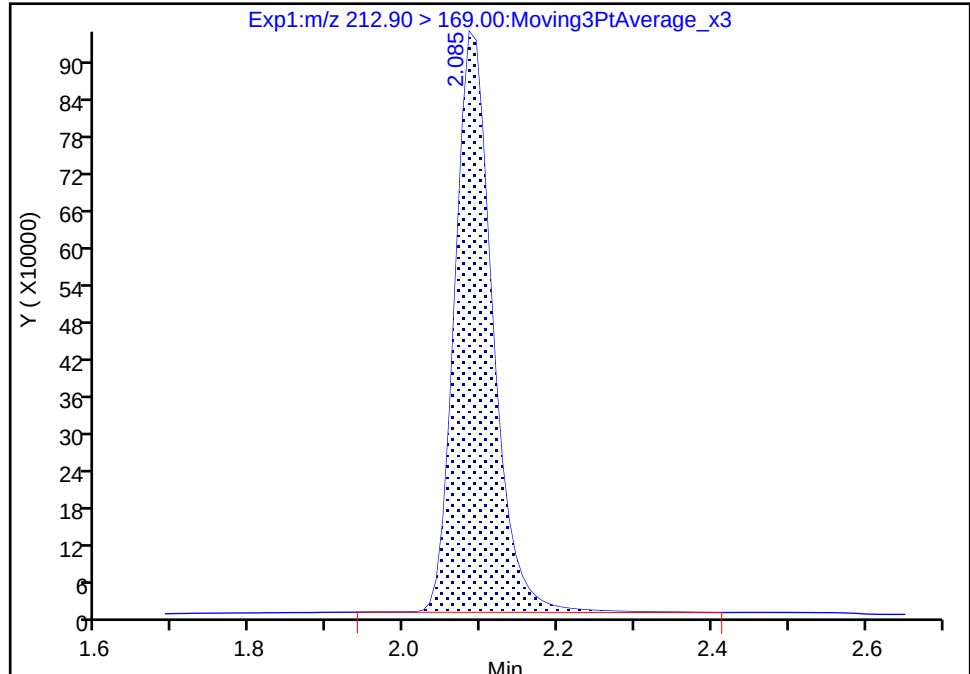
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

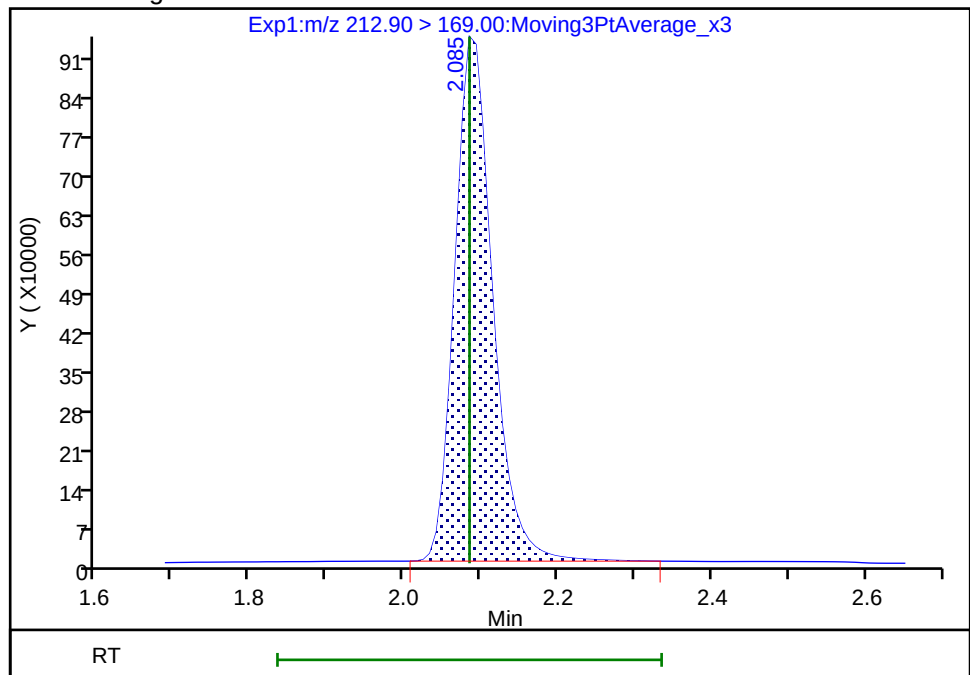
RT: 2.08
Area: 3199209
Amount: 2.224753
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 3187659
Amount: 2.211817
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:52:37

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

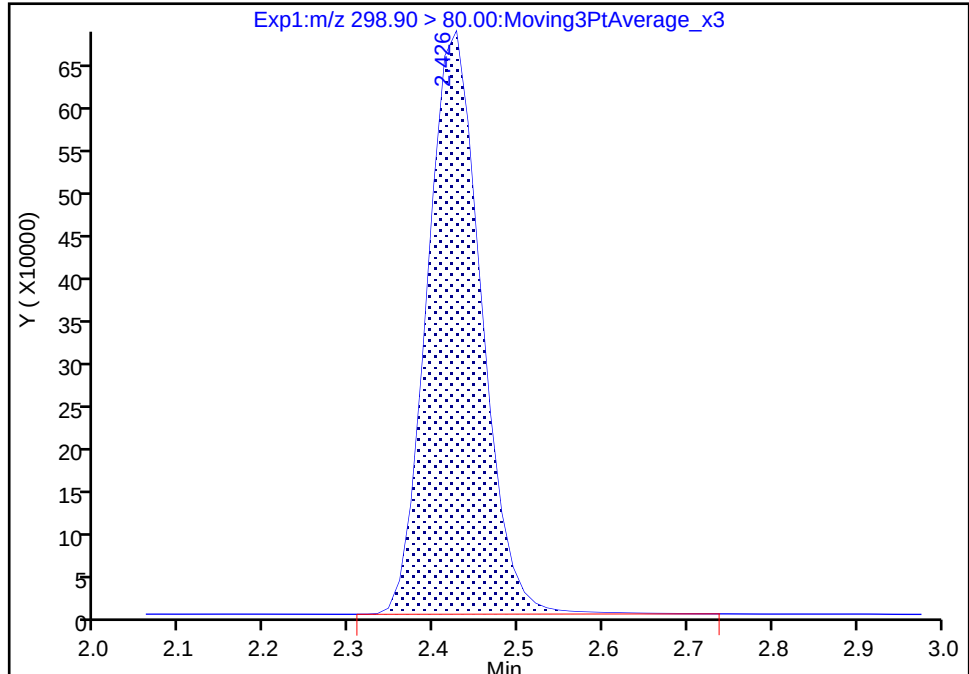
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

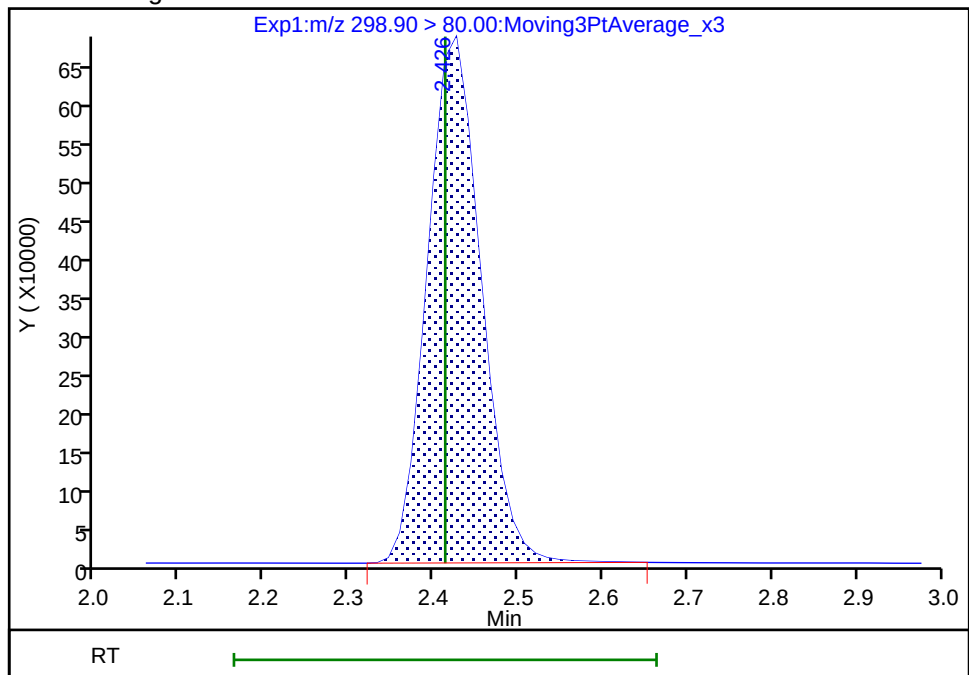
RT: 2.43
Area: 3006403
Amount: 2.042330
Amount Units: ng/ml

Processing Integration Results



RT: 2.43
Area: 2999148
Amount: 2.031310
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:55:06
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

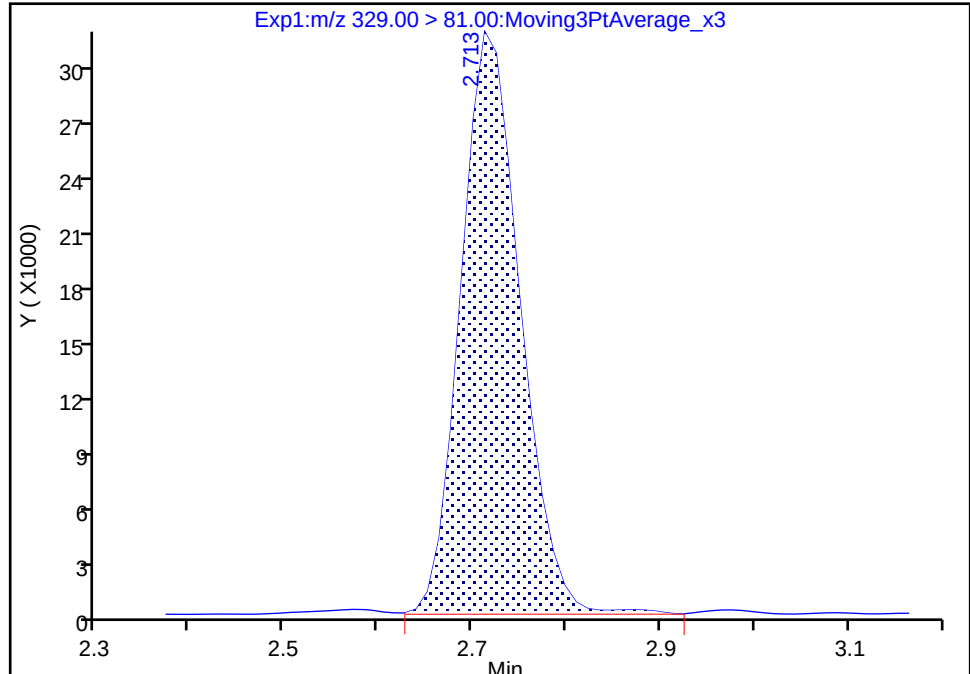
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

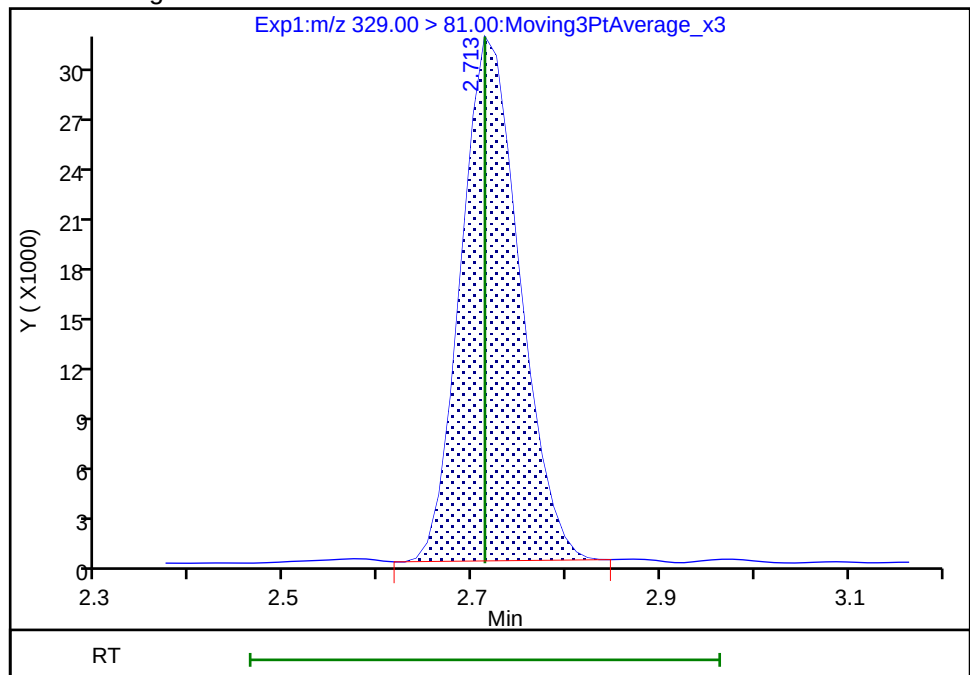
RT: 2.71
Area: 137527
Amount: 1.167094
Amount Units: ng/ml

Processing Integration Results



RT: 2.71
Area: 134930
Amount: 1.171661
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:55:11
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d

Injection Date: 03-Aug-2022 13:33:00

Instrument ID: LC812

Lims ID: IC

Client ID:

Operator ID: lc812tech

ALS Bottle#:

6

Worklist Smp#: 9

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

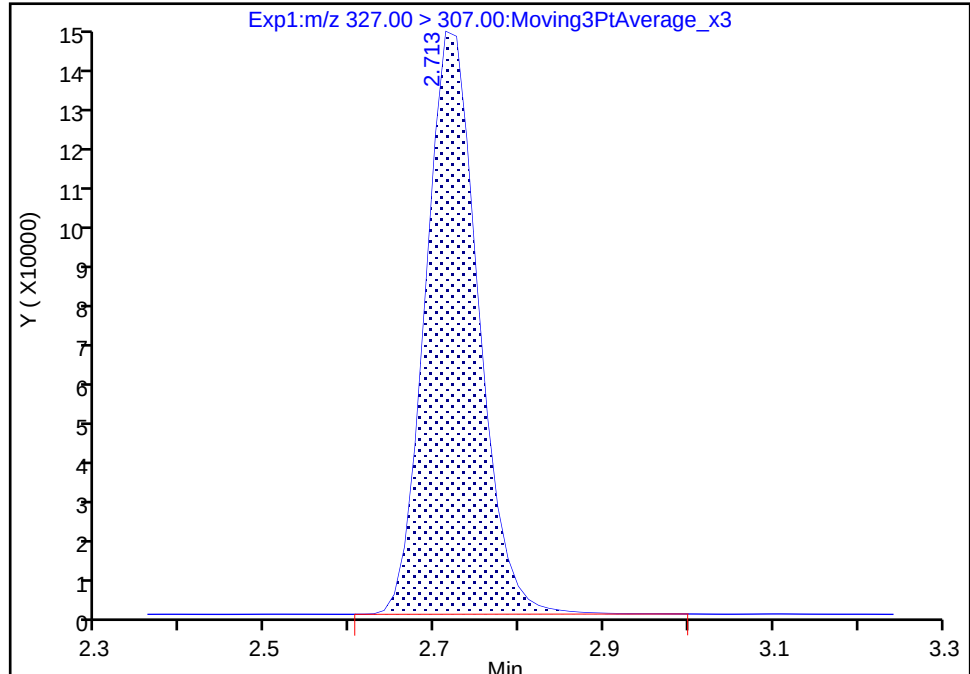
Detector: EXP1

61 1H,1H,2H,2H-perfluorohexanesulfo, CAS: 757124-72-4

Signal: 1

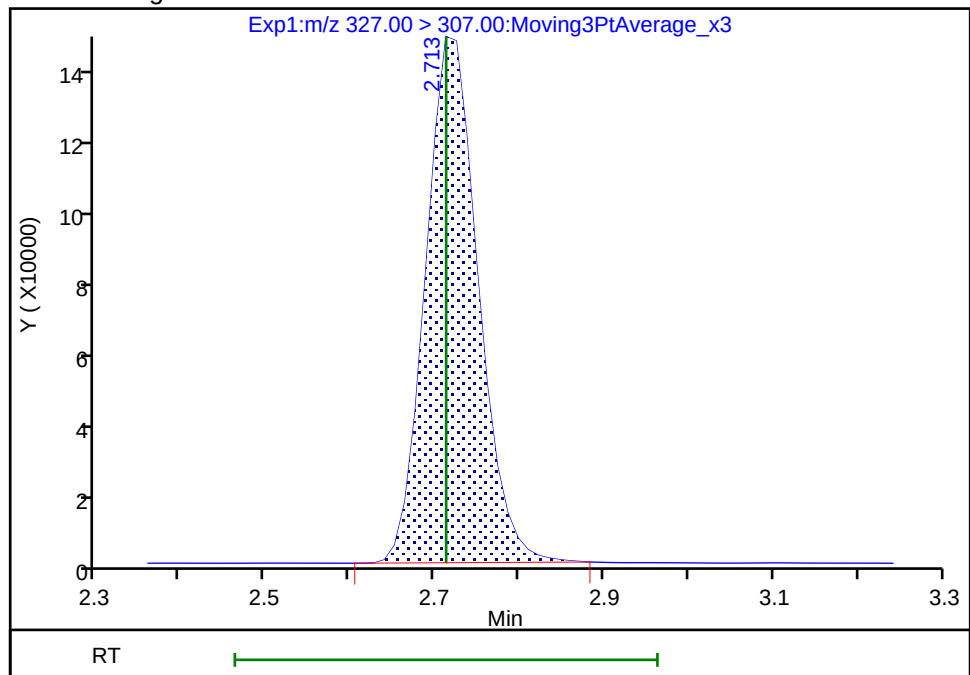
RT: 2.71
Area: 614788
Amount: 2.211290
Amount Units: ng/ml

Processing Integration Results



RT: 2.71
Area: 611993
Amount: 2.227895
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:55:15

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

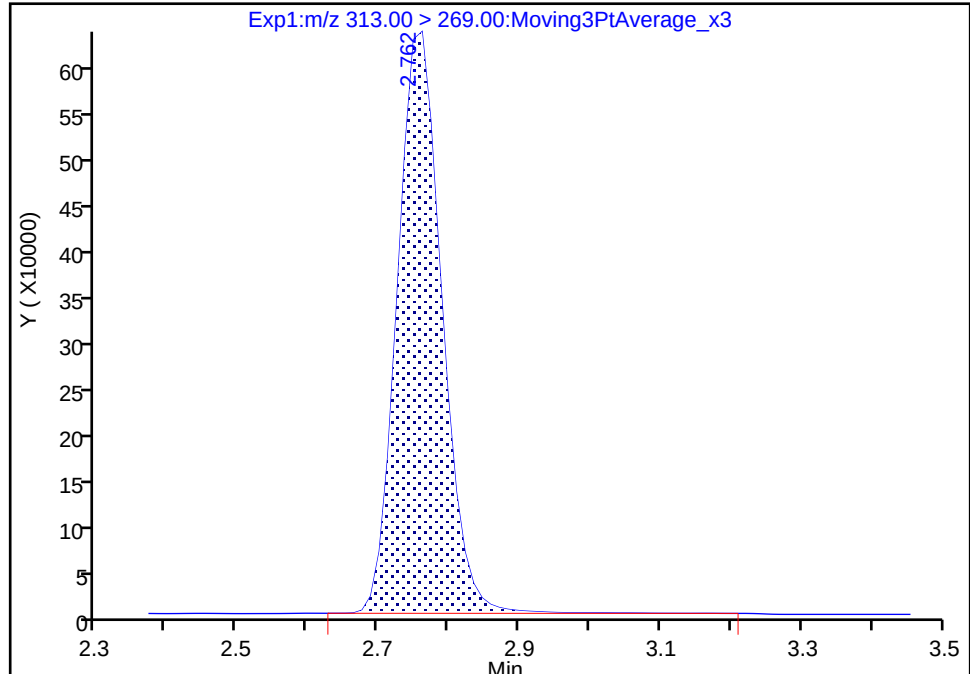
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

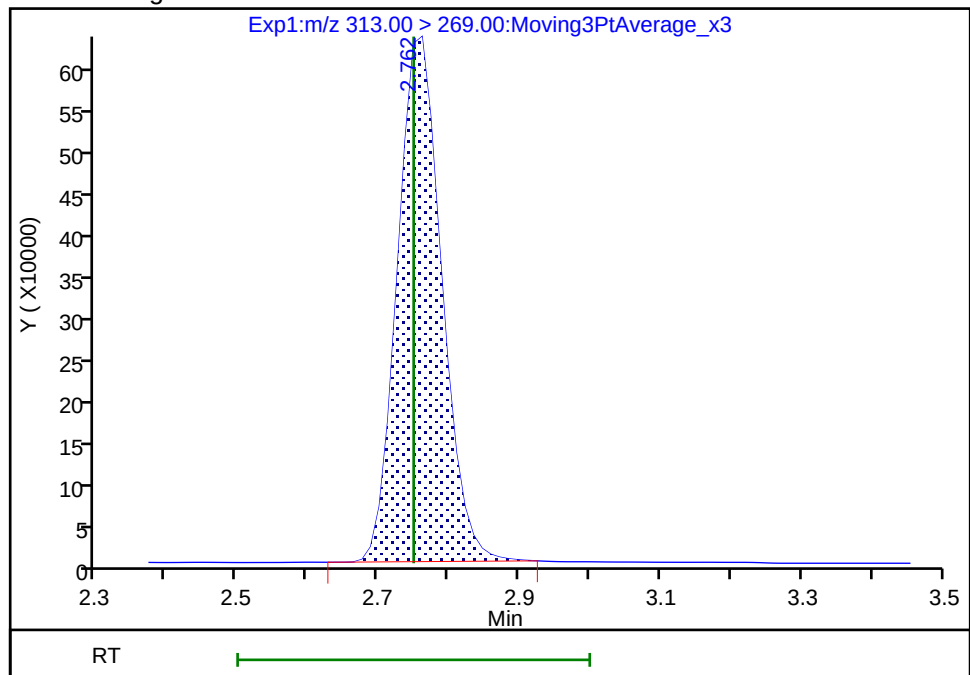
RT: 2.76
Area: 2780993
Amount: 2.310338
Amount Units: ng/ml

Processing Integration Results



RT: 2.76
Area: 2758598
Amount: 2.312091
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:55:20

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

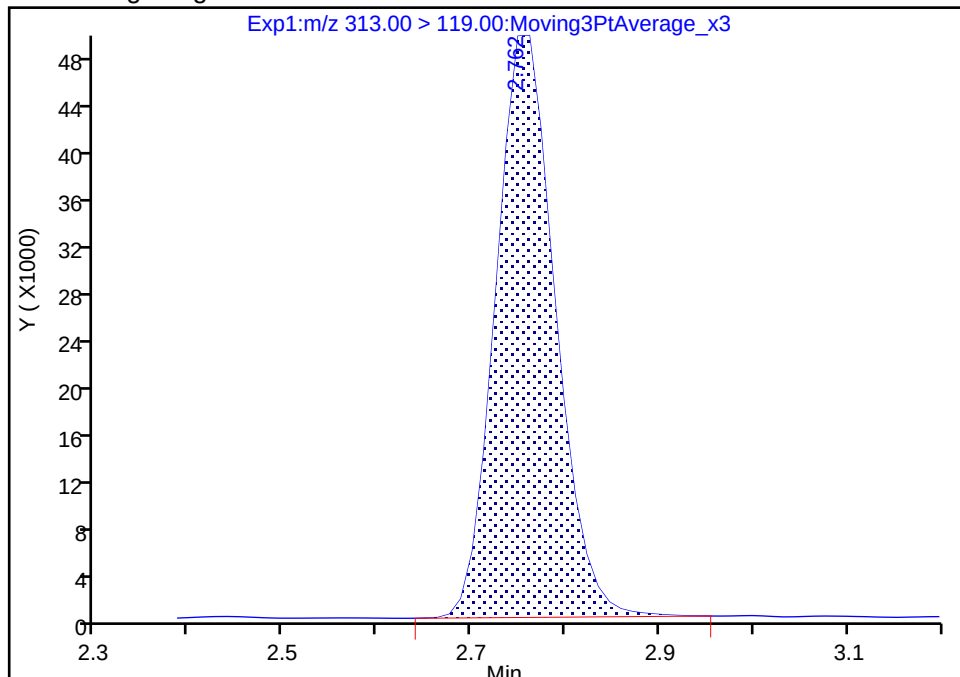
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

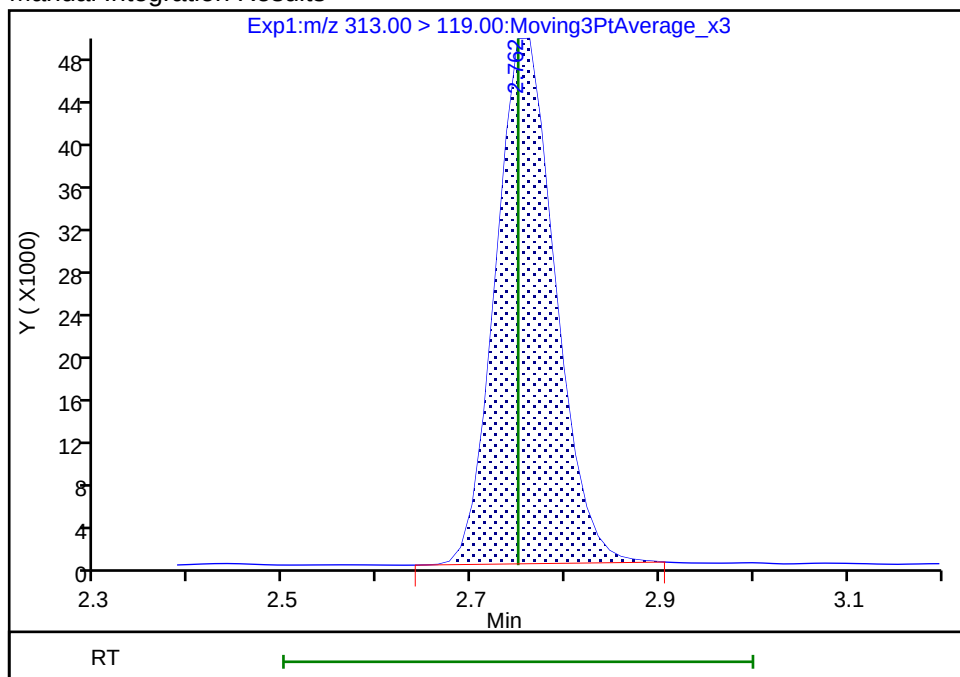
RT: 2.76
Area: 217185
Amount: 2.310338
Amount Units: ng/ml

Processing Integration Results



RT: 2.76
Area: 215969
Amount: 2.312091
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:55:24

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

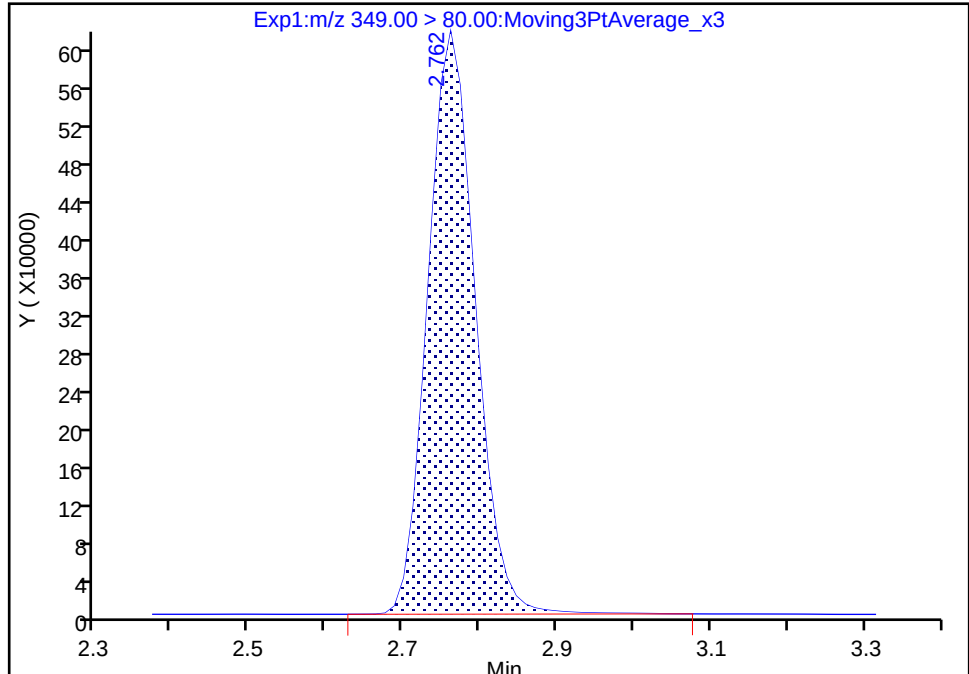
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 1

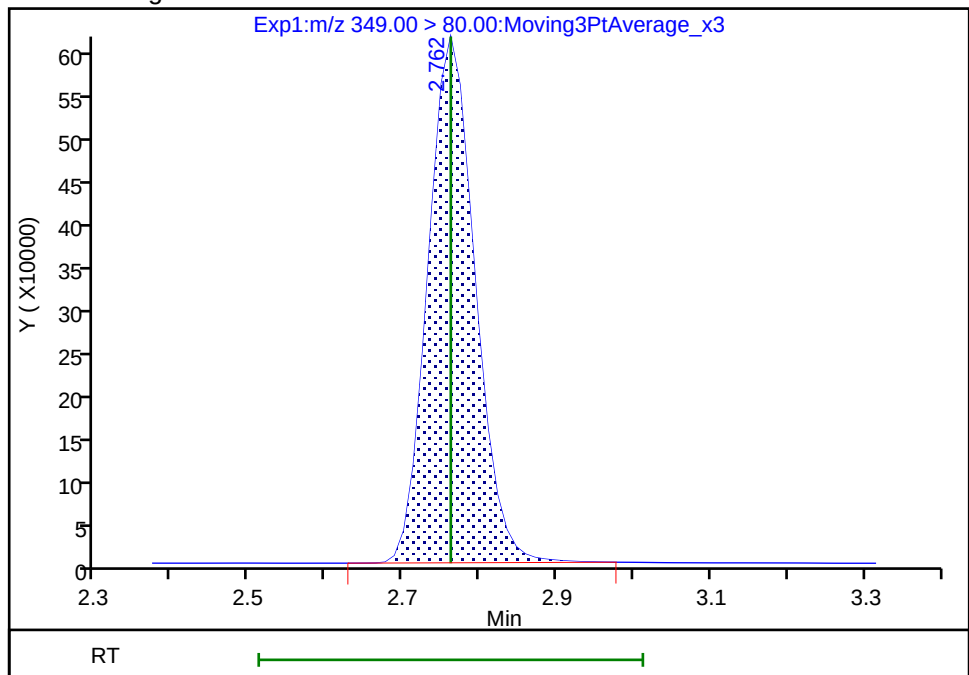
RT: 2.76
Area: 2612537
Amount: 2.173871
Amount Units: ng/ml

Processing Integration Results



RT: 2.76
Area: 2602336
Amount: 2.157408
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:55:52

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

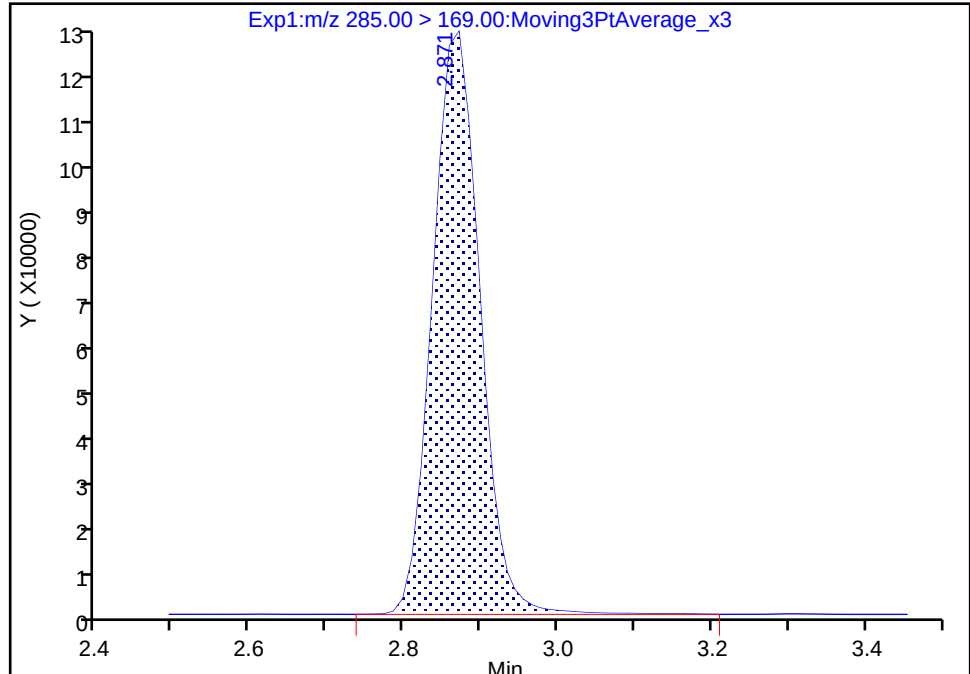
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

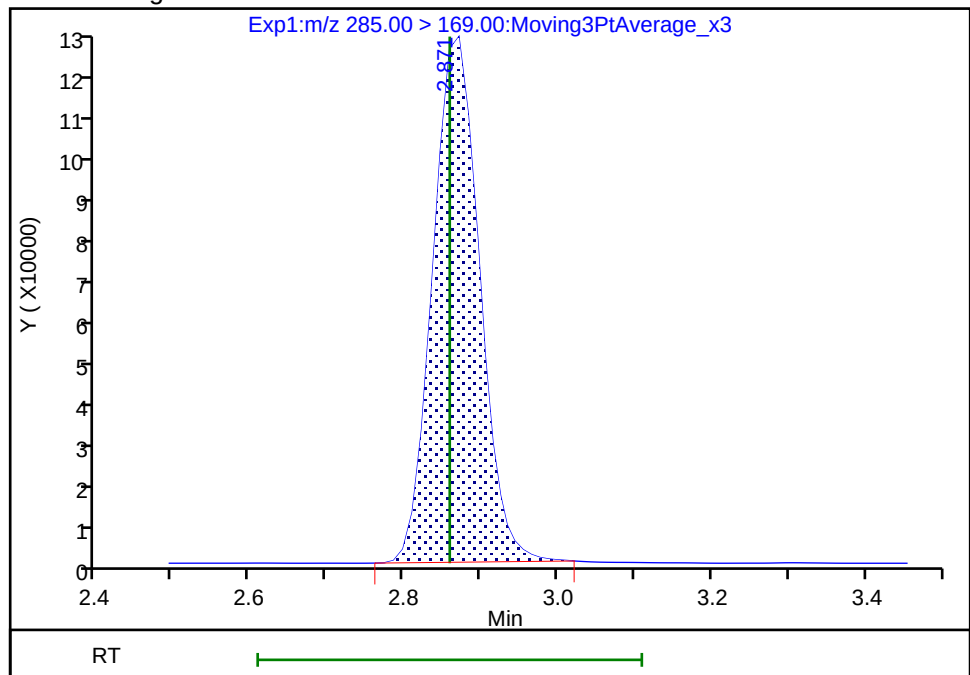
RT: 2.87
Area: 533041
Amount: 2.307024
Amount Units: ng/ml

Processing Integration Results



RT: 2.87
Area: 526717
Amount: 2.275259
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:55:57
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

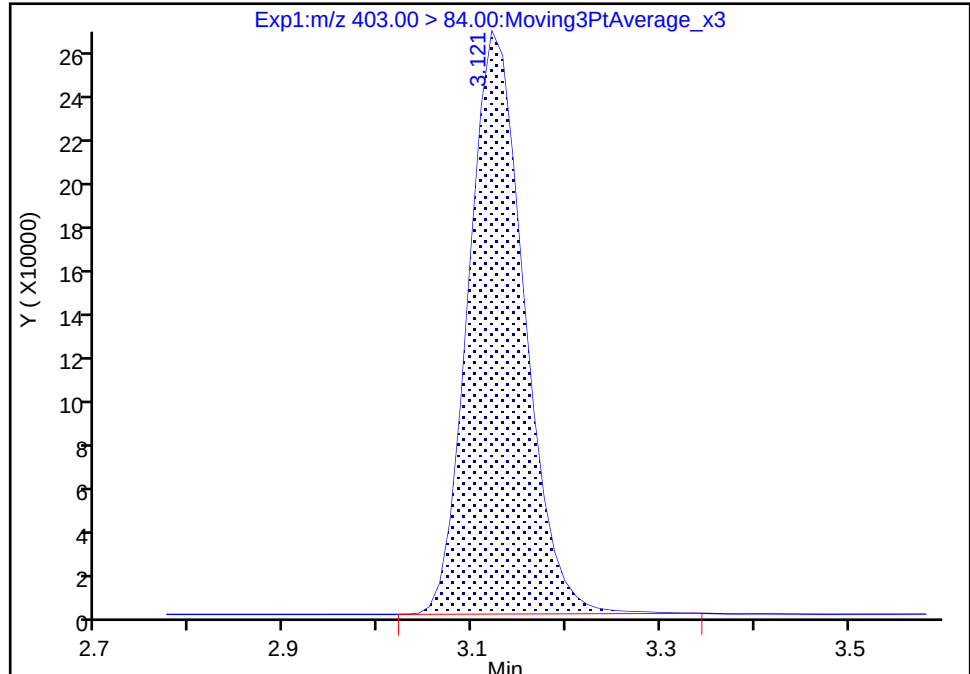
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 11 18O2 PFHxS, CAS: STL00994

Signal: 1

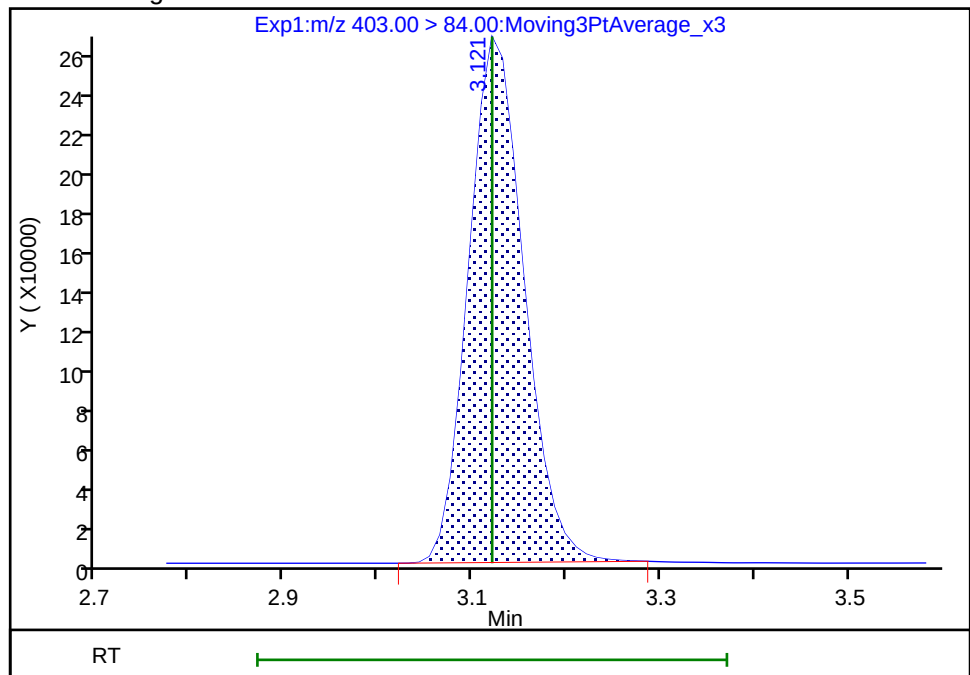
RT: 3.12
Area: 1105754
Amount: 1.118683
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 1100091
Amount: 1.169294
Amount Units: ng/ml

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

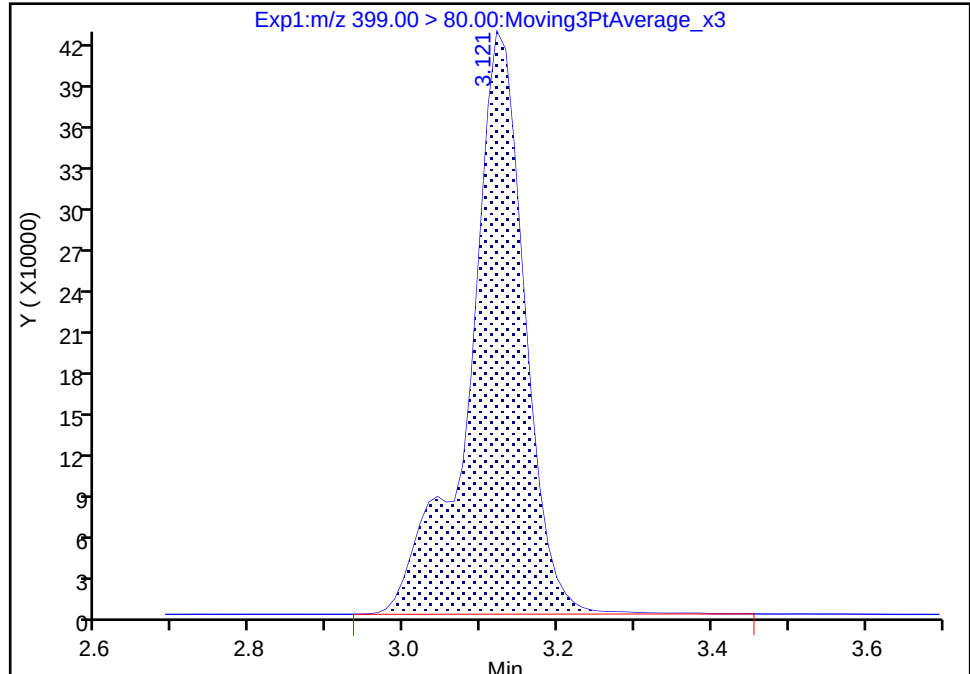
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

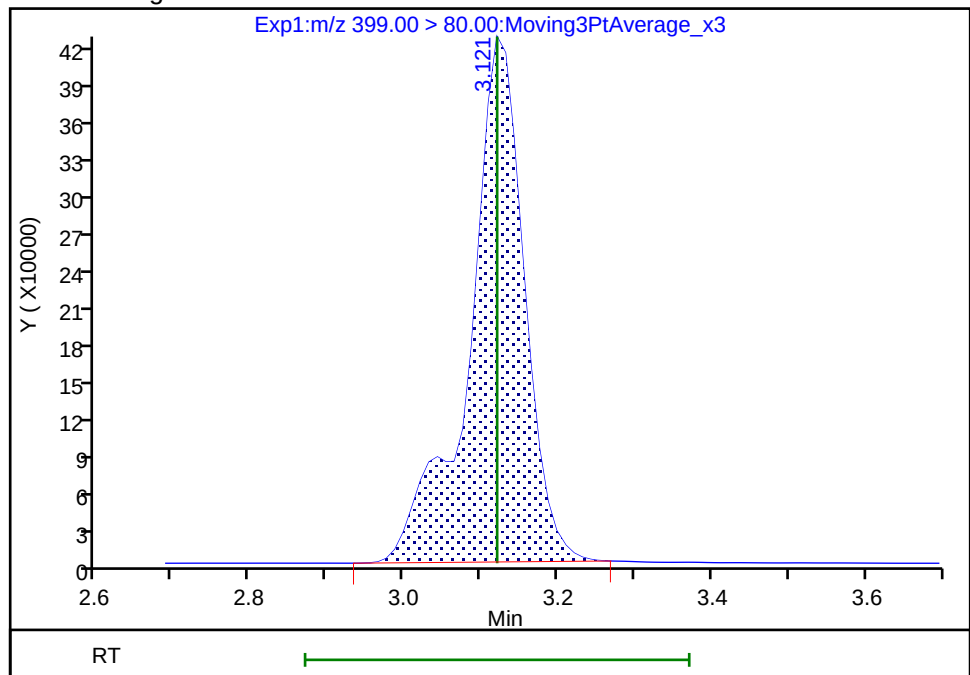
RT: 3.12
Area: 2121601
Amount: 2.057490
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 2100026
Amount: 2.046657
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:56:23
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

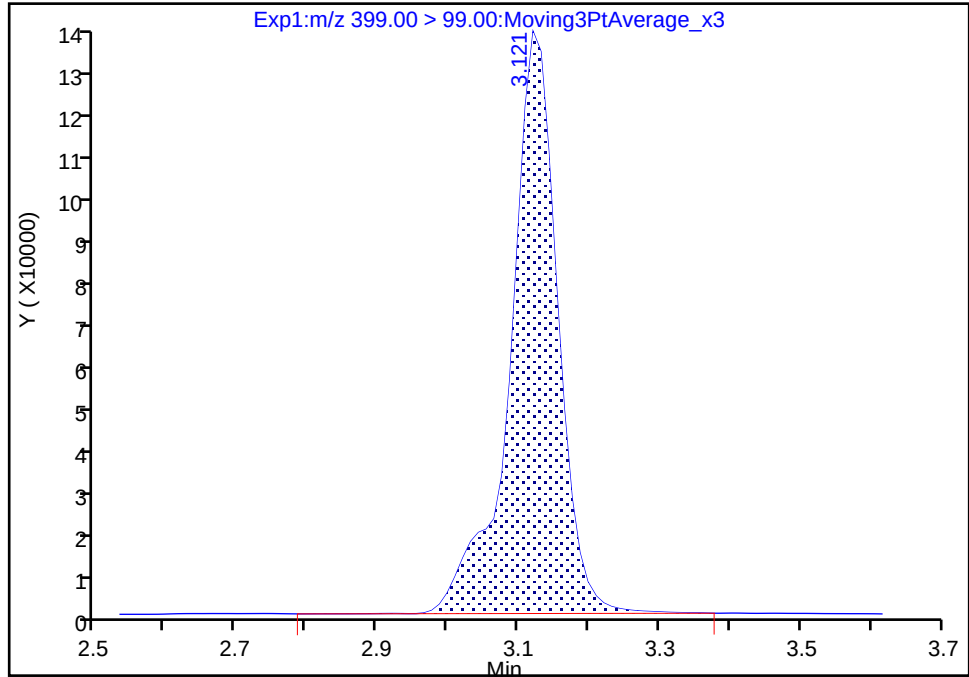
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

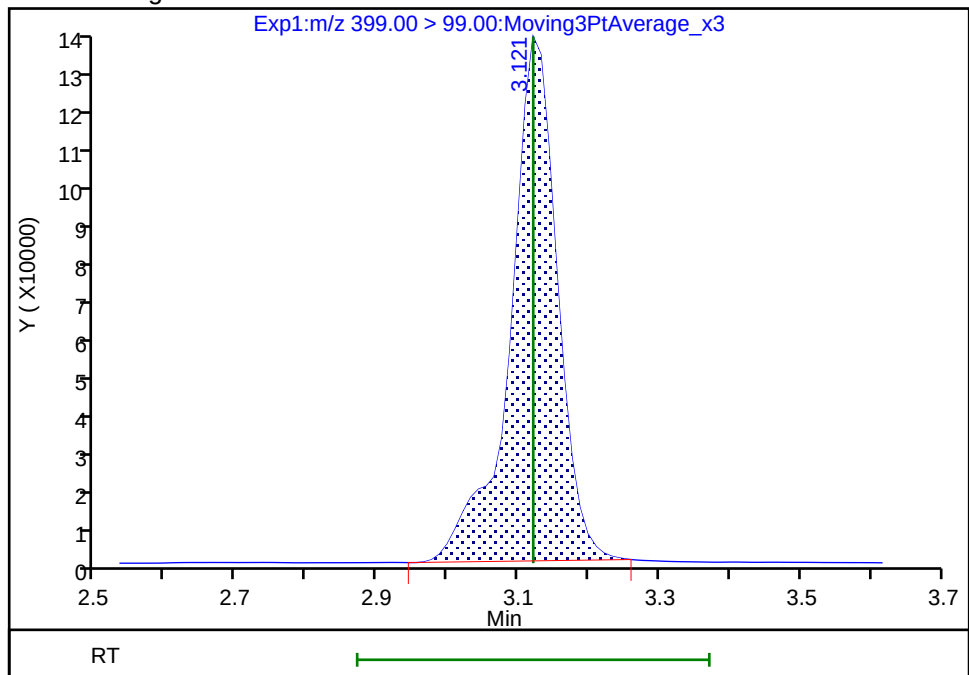
RT: 3.12
Area: 622549
Amount: 2.057490
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 613809
Amount: 2.046657
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:56:28

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

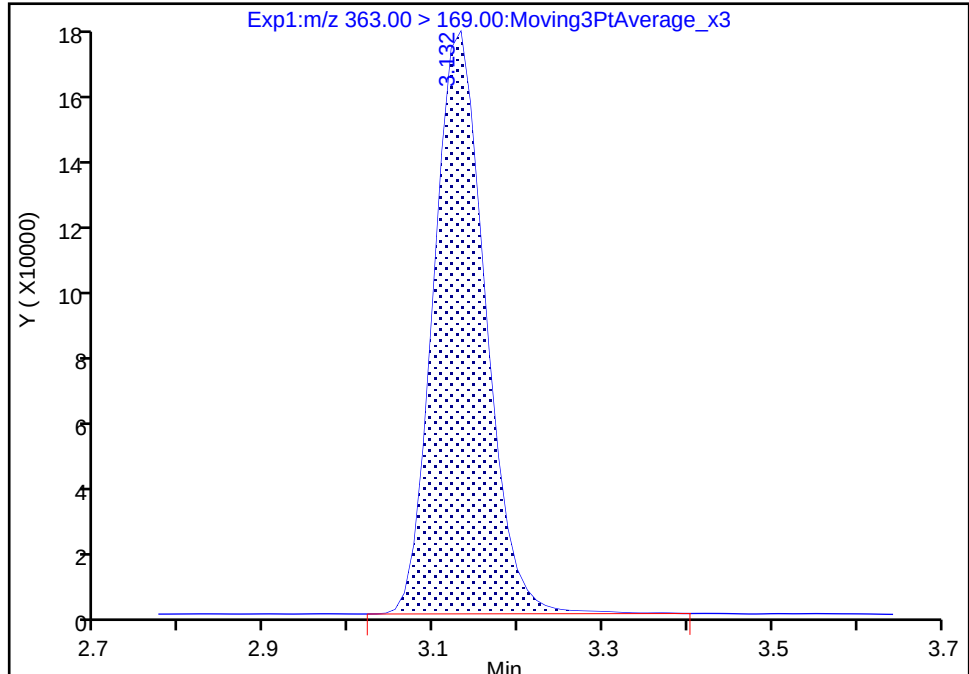
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

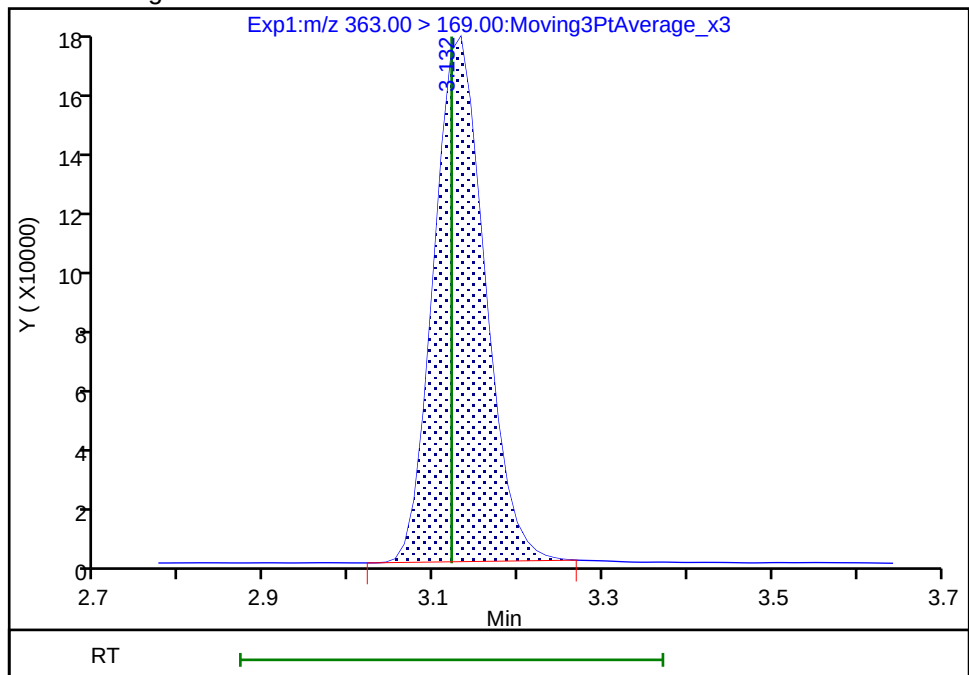
RT: 3.13
Area: 747052
Amount: 2.331953
Amount Units: ng/ml

Processing Integration Results



RT: 3.13
Area: 738346
Amount: 2.317492
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:56:08
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

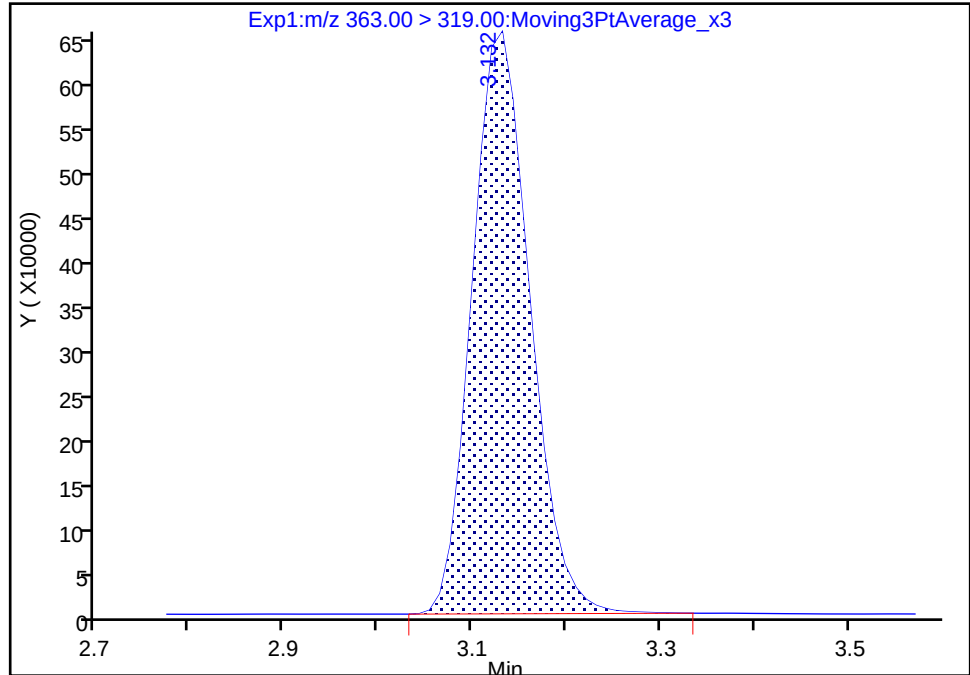
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

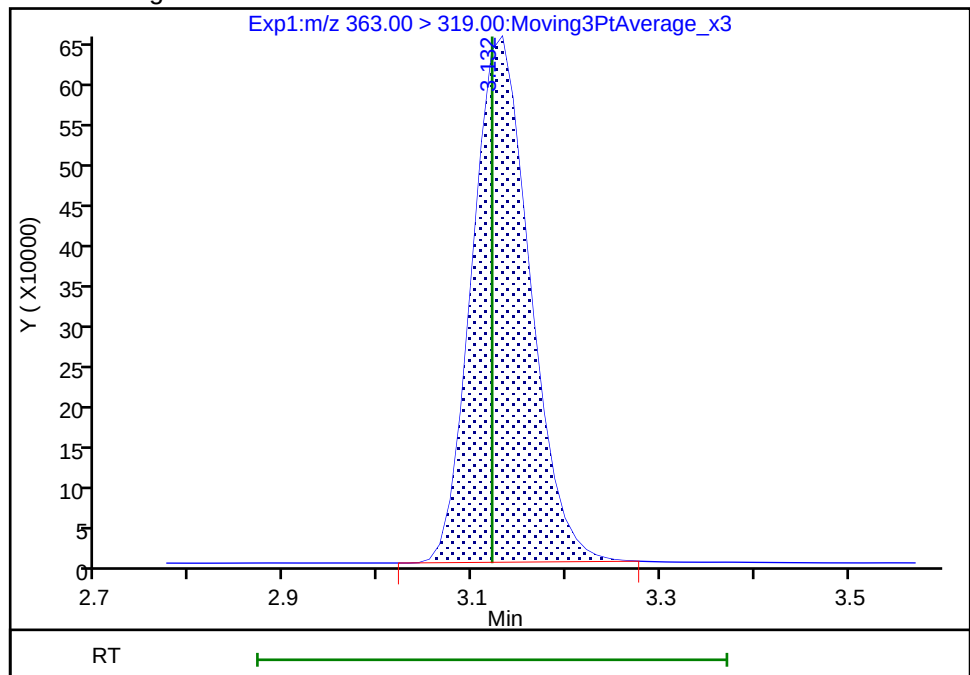
RT: 3.13
Area: 2807999
Amount: 2.331953
Amount Units: ng/ml

Processing Integration Results



RT: 3.13
Area: 2794876
Amount: 2.317492
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:56:12

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

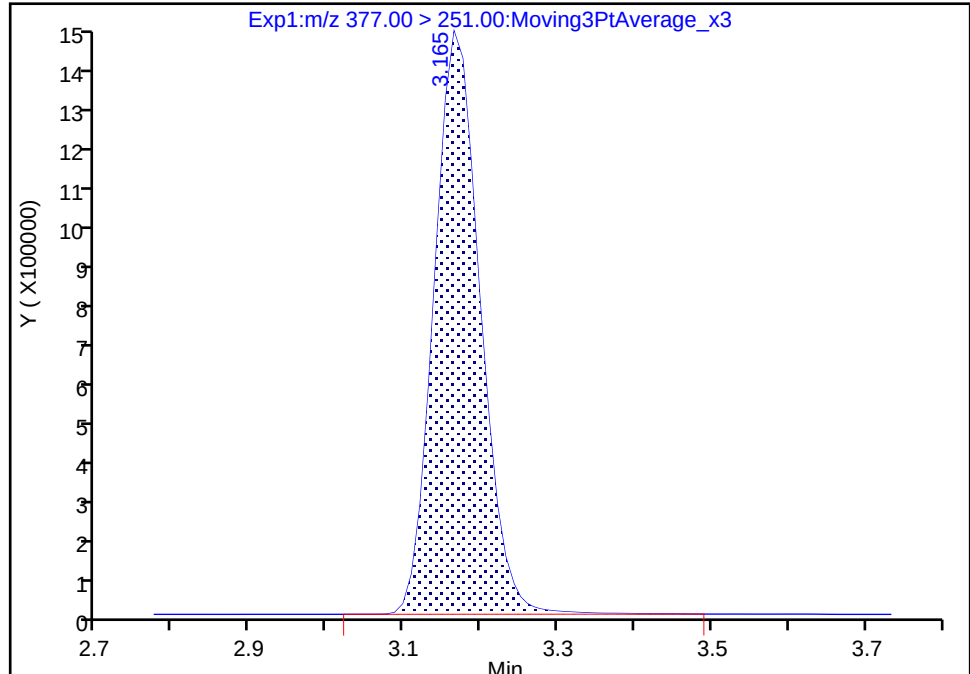
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

77 DONA, CAS: 919005-14-4

Signal: 1

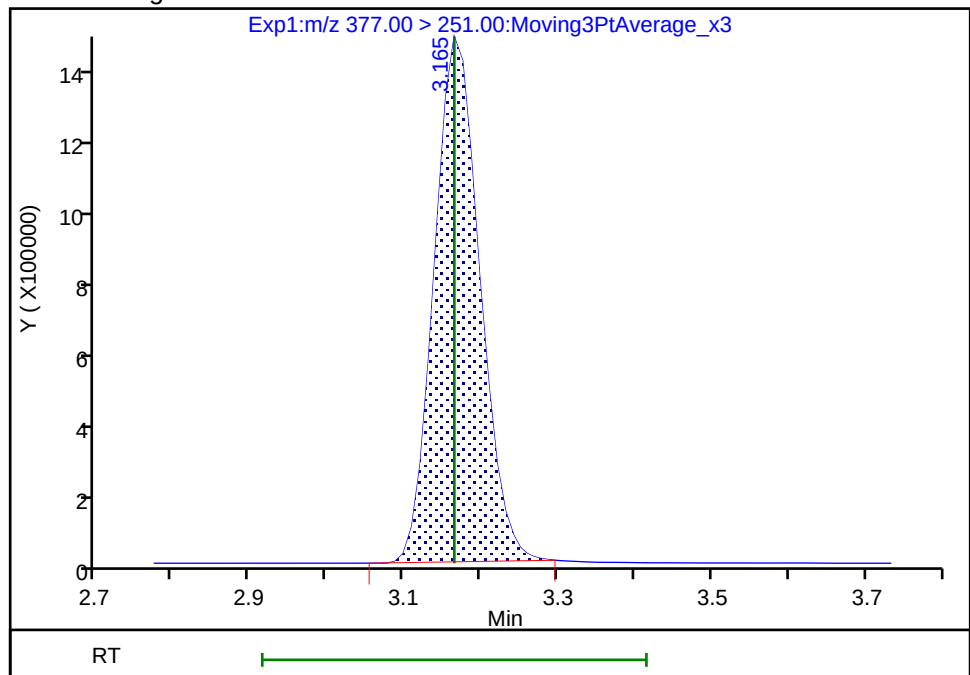
RT: 3.16
Area: 6147886
Amount: 2.235936
Amount Units: ng/ml

Processing Integration Results



RT: 3.16
Area: 6067195
Amount: 2.134400
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:56:35
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

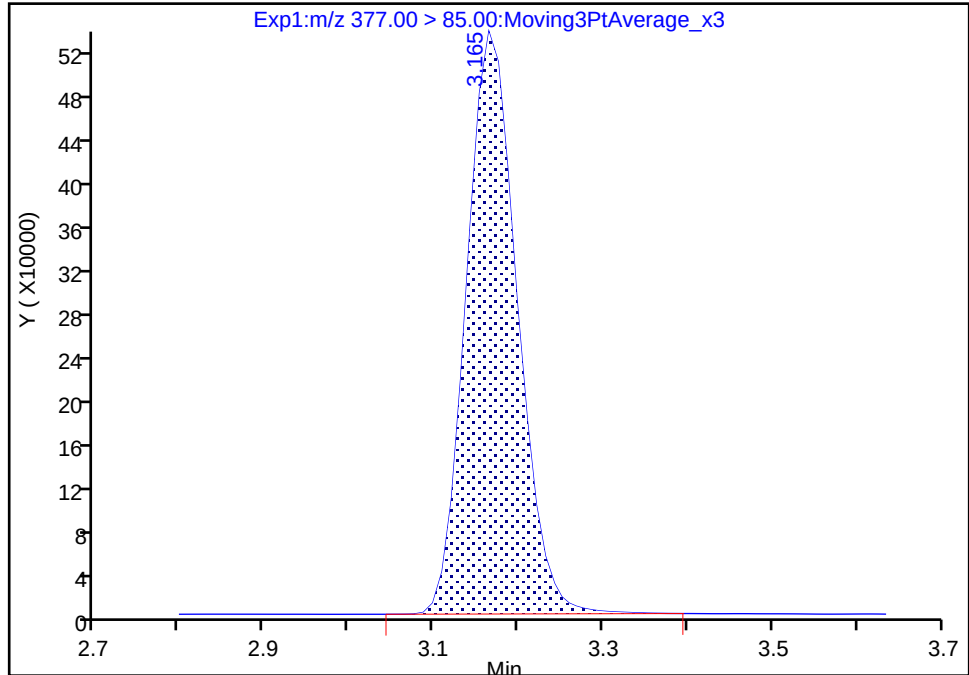
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

77 DONA, CAS: 919005-14-4

Signal: 2

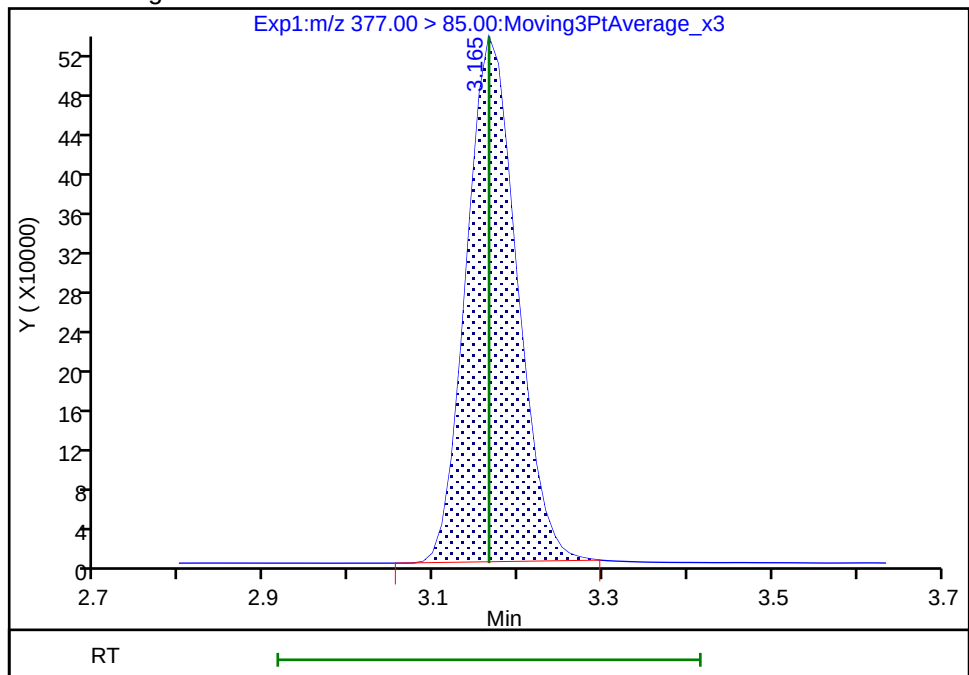
RT: 3.16
Area: 2217052
Amount: 2.235936
Amount Units: ng/ml

Processing Integration Results



RT: 3.16
Area: 2193406
Amount: 2.134400
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:56:39

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Page 554 of 1695

08/18/2022

Eurofins Burlington

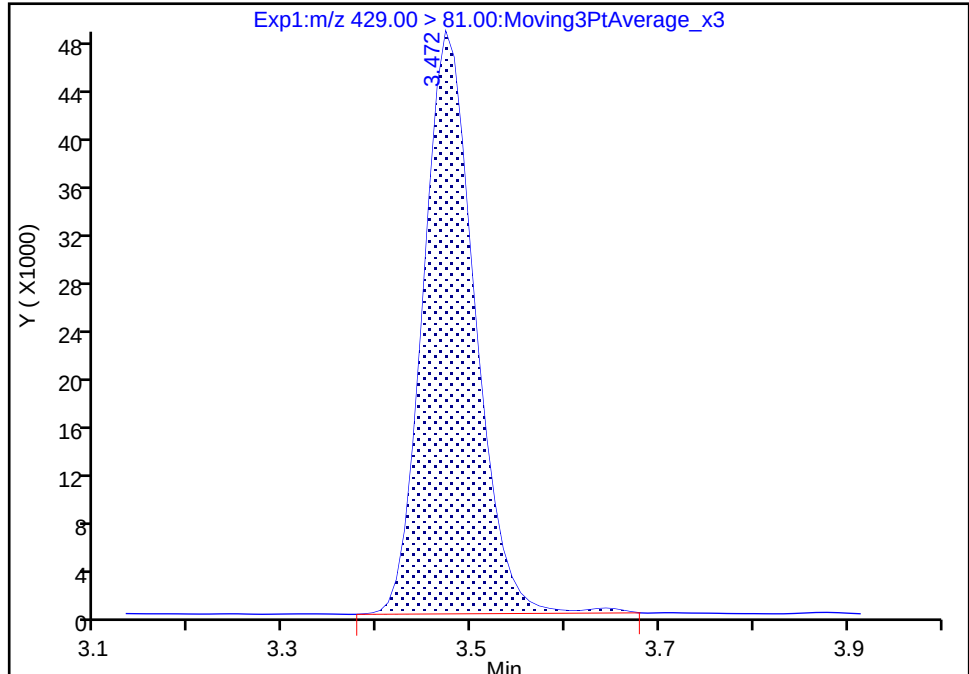
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

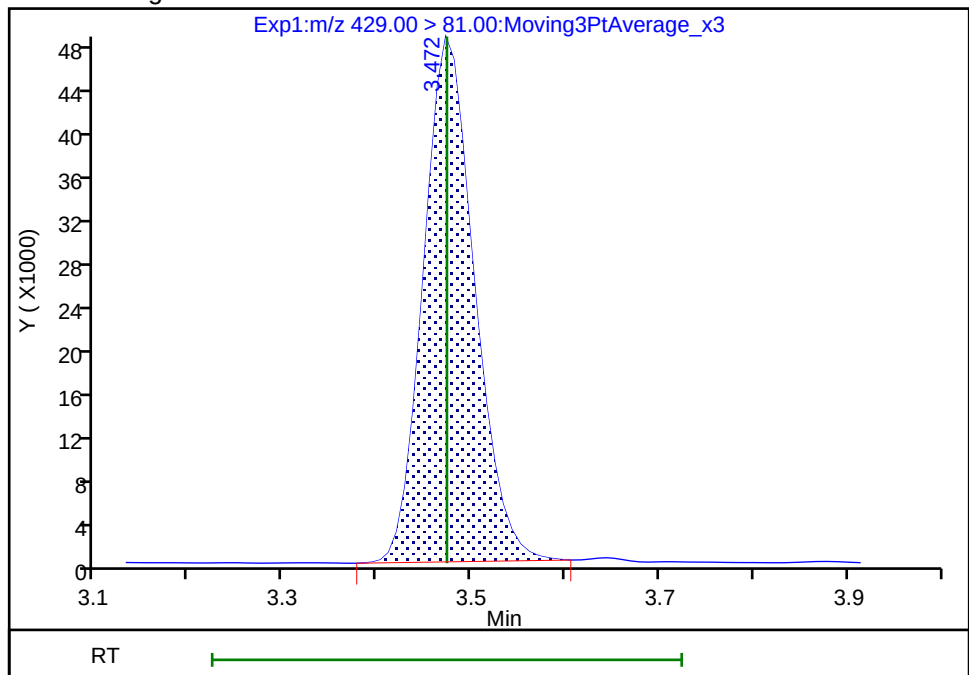
RT: 3.47
Area: 184516
Amount: 1.129896
Amount Units: ng/ml

Processing Integration Results



RT: 3.47
Area: 182060
Amount: 1.156185
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:56:46
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

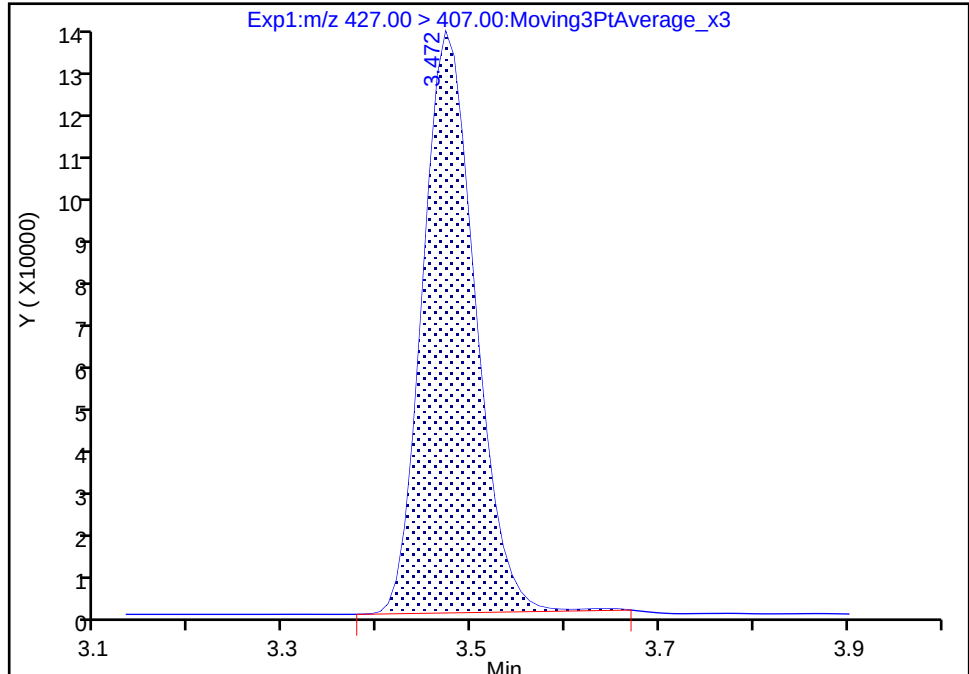
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

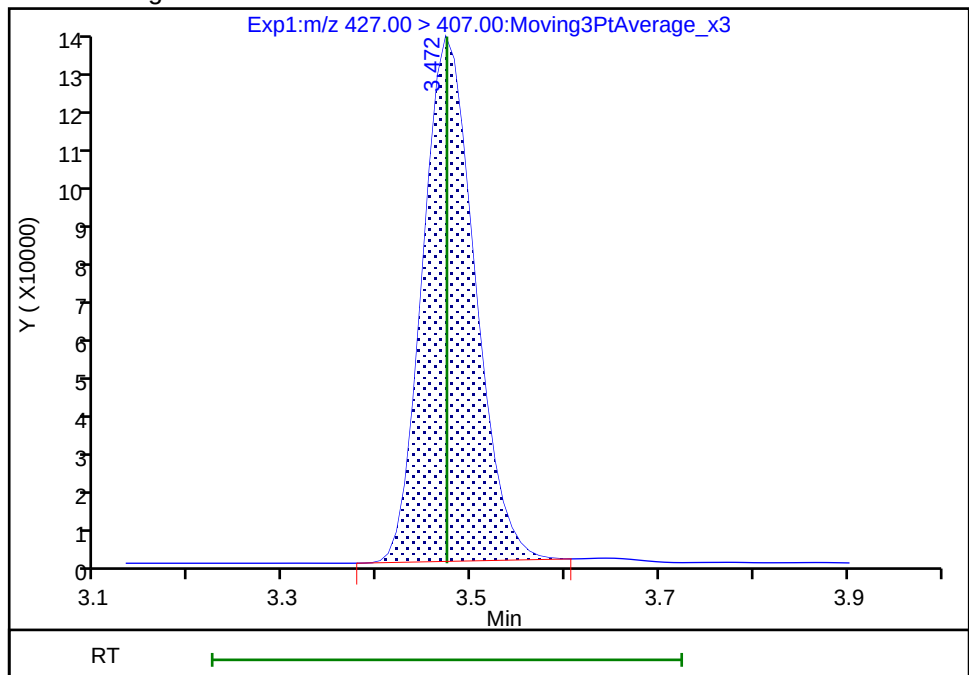
RT: 3.47
Area: 521484
Amount: 2.230744
Amount Units: ng/ml

Processing Integration Results



RT: 3.47
Area: 517908
Amount: 2.301410
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:56:51
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

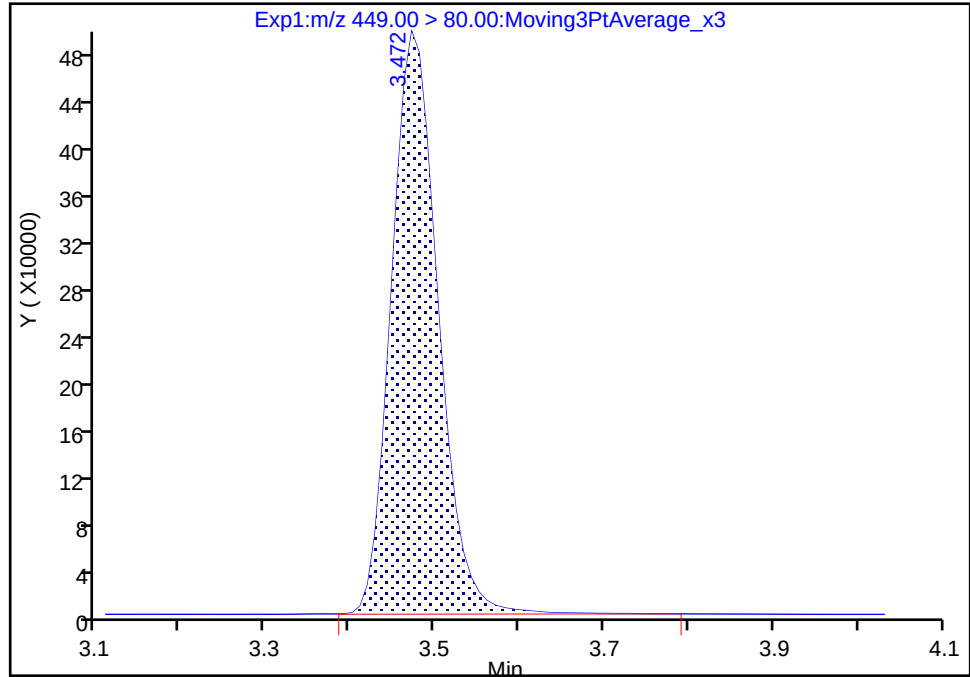
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

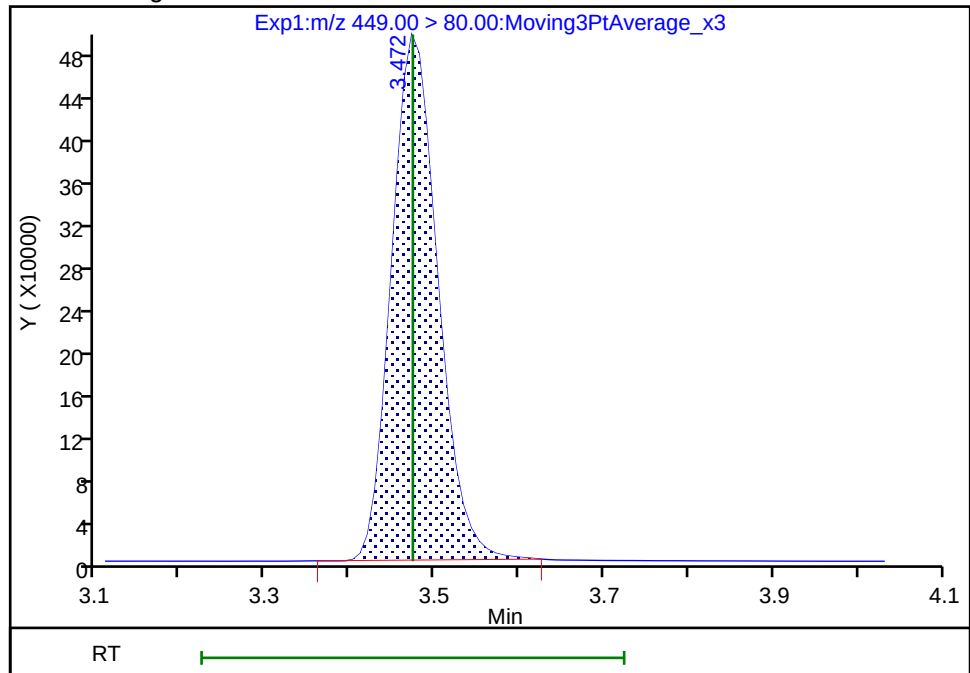
RT: 3.47
Area: 1888833
Amount: 2.218842
Amount Units: ng/ml

Processing Integration Results



RT: 3.47
Area: 1868882
Amount: 2.190859
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:56:57
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

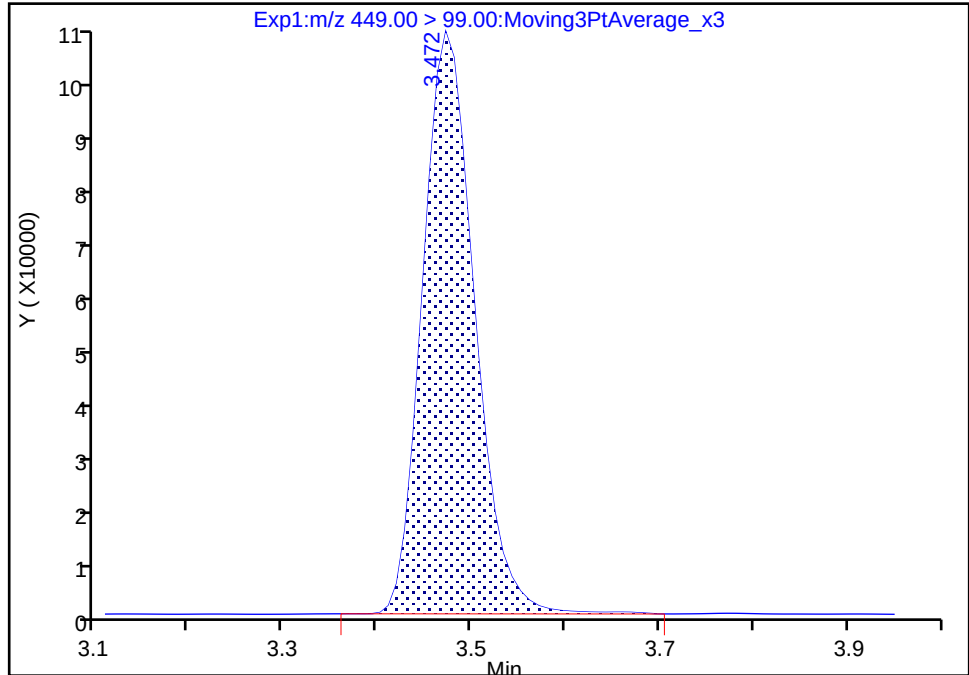
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

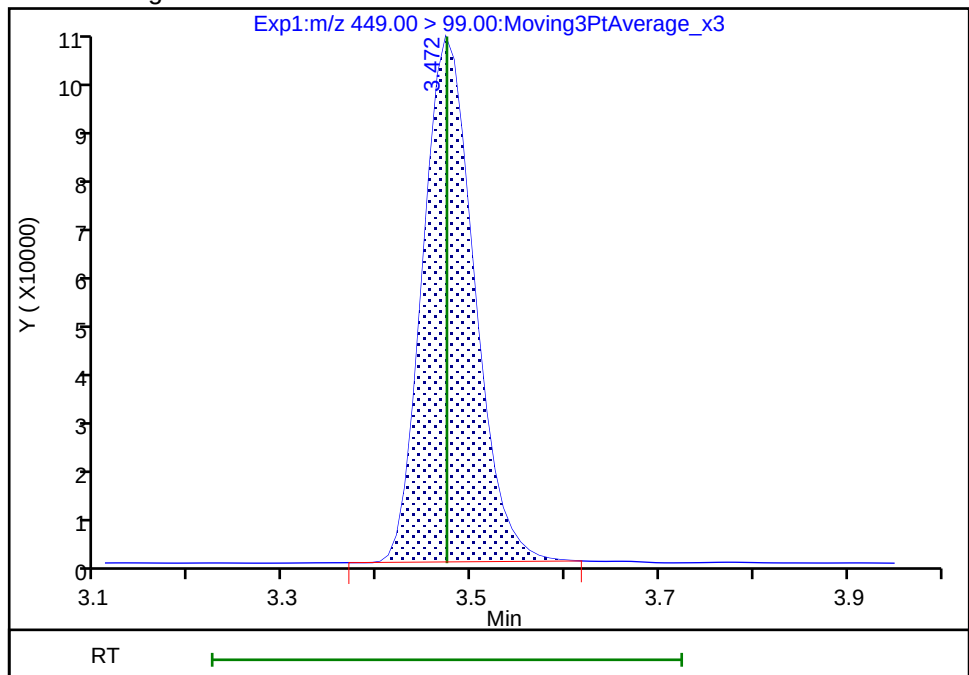
RT: 3.47
Area: 392766
Amount: 2.218842
Amount Units: ng/ml

Processing Integration Results



RT: 3.47
Area: 388606
Amount: 2.190859
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:57:01

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

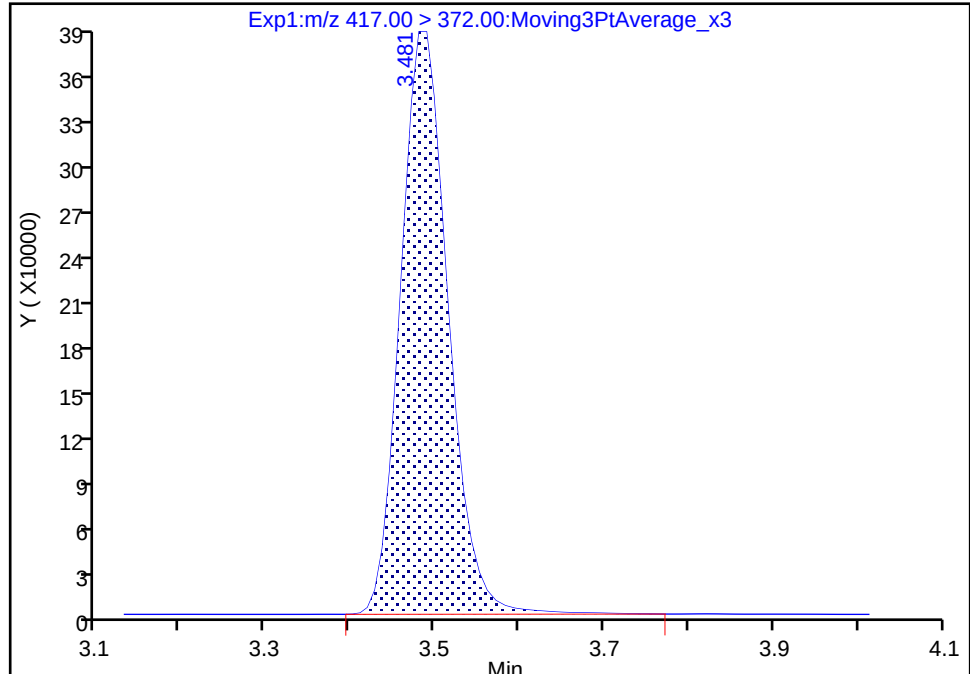
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 14 13C4 PFOA, CAS: STL00990

Signal: 1

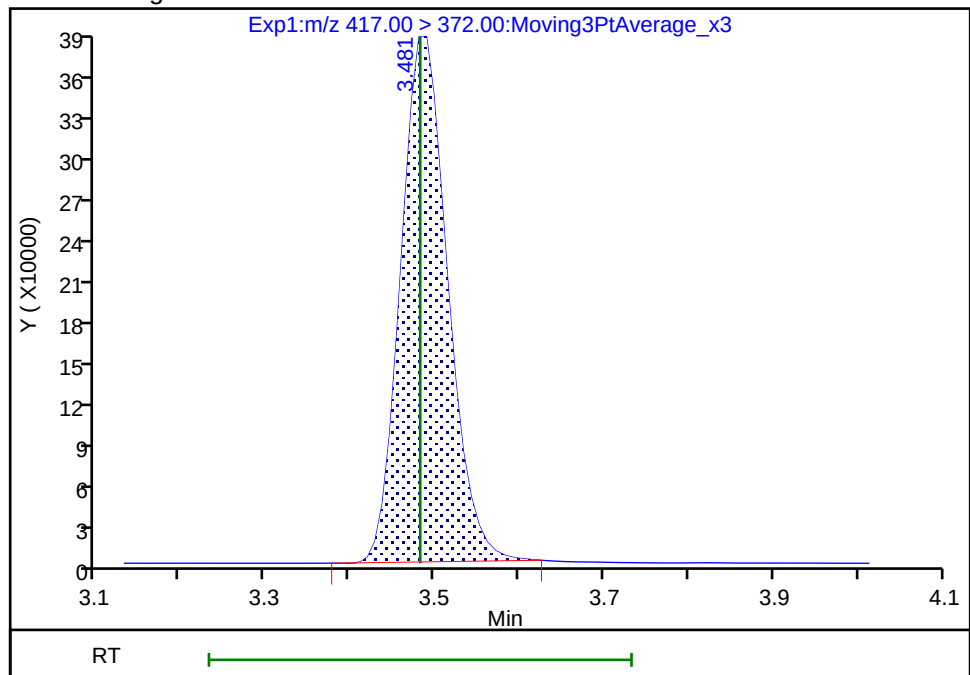
RT: 3.48
Area: 1506031
Amount: 1.225890
Amount Units: ng/ml

Processing Integration Results



RT: 3.48
Area: 1484954
Amount: 1.210462
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:57:19

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

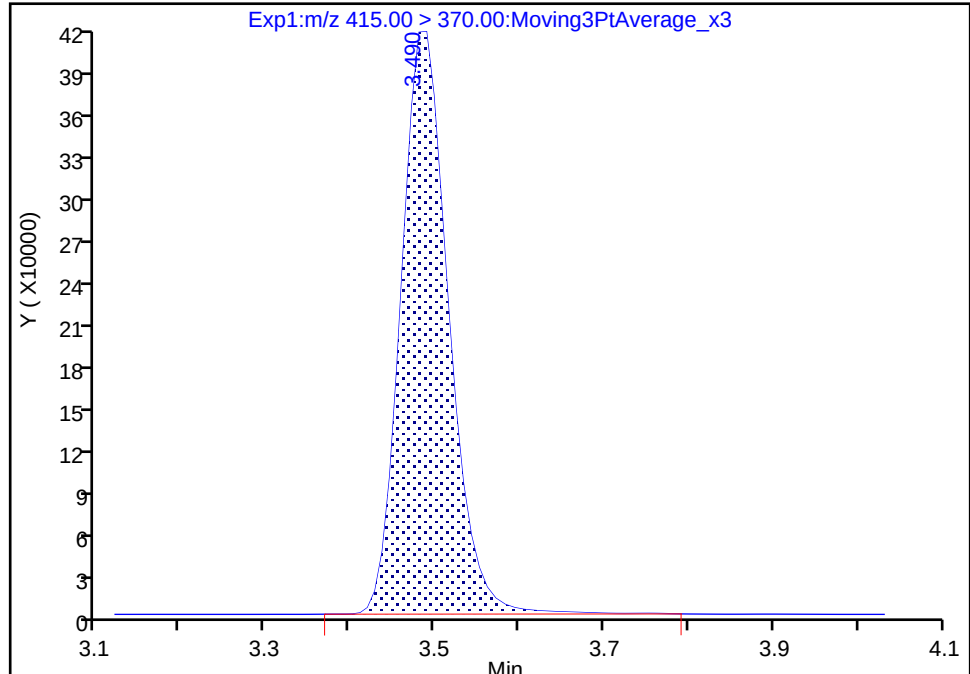
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d		
Injection Date:	03-Aug-2022 13:33:00	Instrument ID:	LC812
Lims ID:	IC		
Client ID:			
Operator ID:	lc812tech	ALS Bottle#:	6 Worklist Smp#: 9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1

* 62 13C2 PFOA, CAS: STL00623

Signal: 1

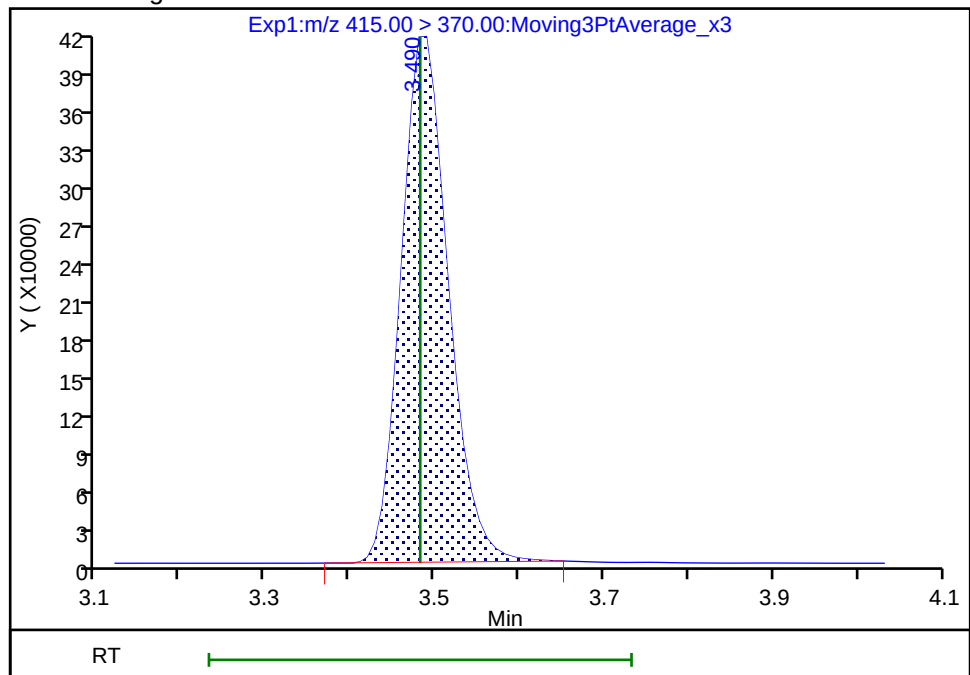
RT: 3.49
Area: 1627247
Amount: 1.250000
Amount Units: ng/ml

Processing Integration Results



RT: 3.49
Area: 1609879
Amount: 1.250000
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:57:23

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

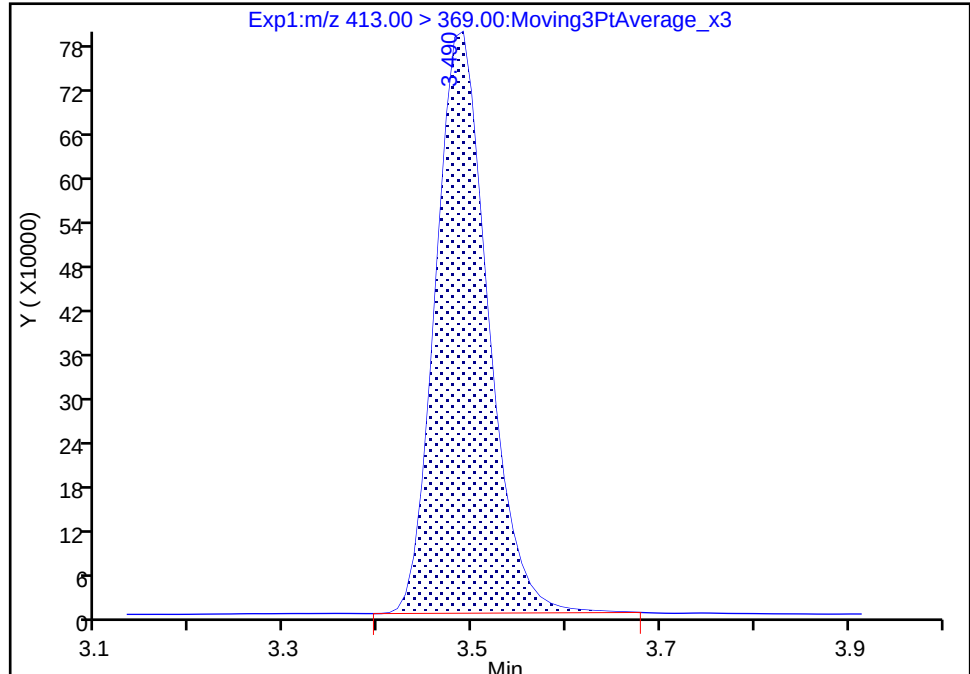
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

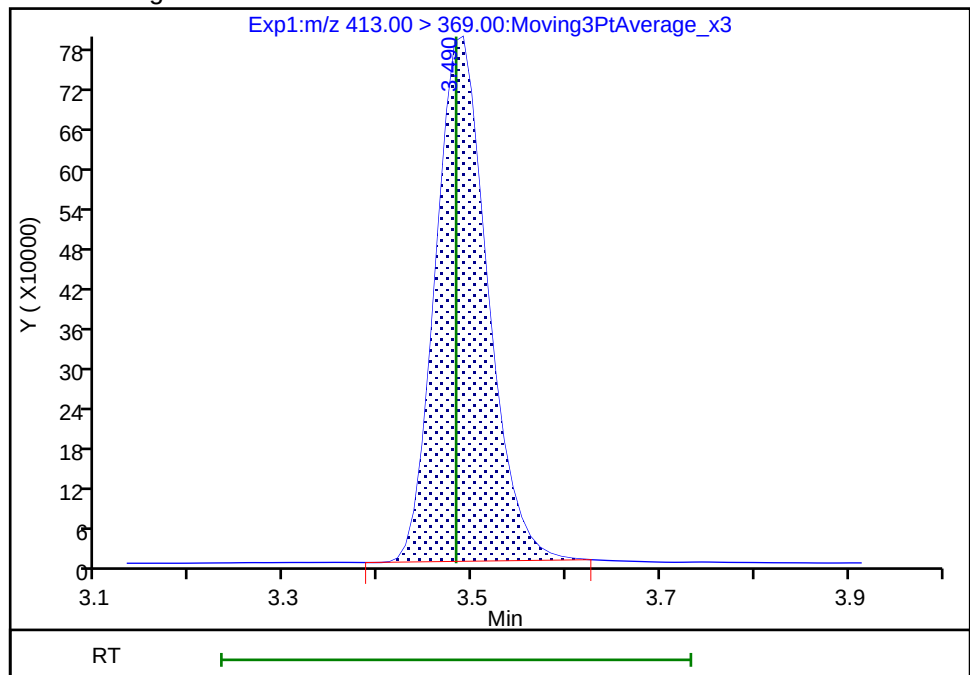
RT: 3.49
Area: 3051411
Amount: 2.249285
Amount Units: ng/ml

Processing Integration Results



RT: 3.49
Area: 3024763
Amount: 2.270536
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:57:10
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

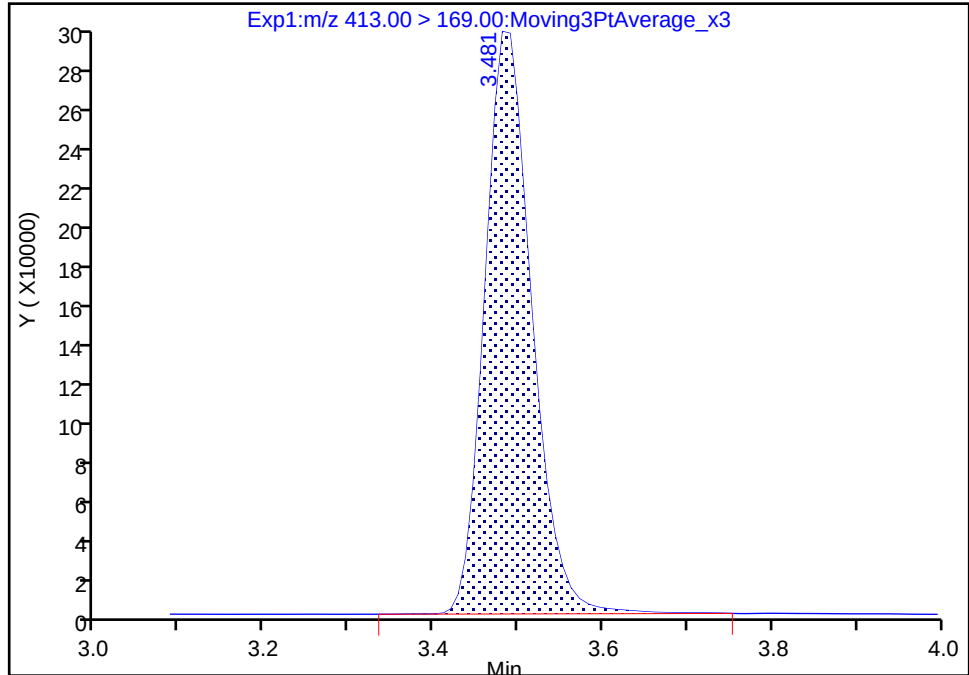
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

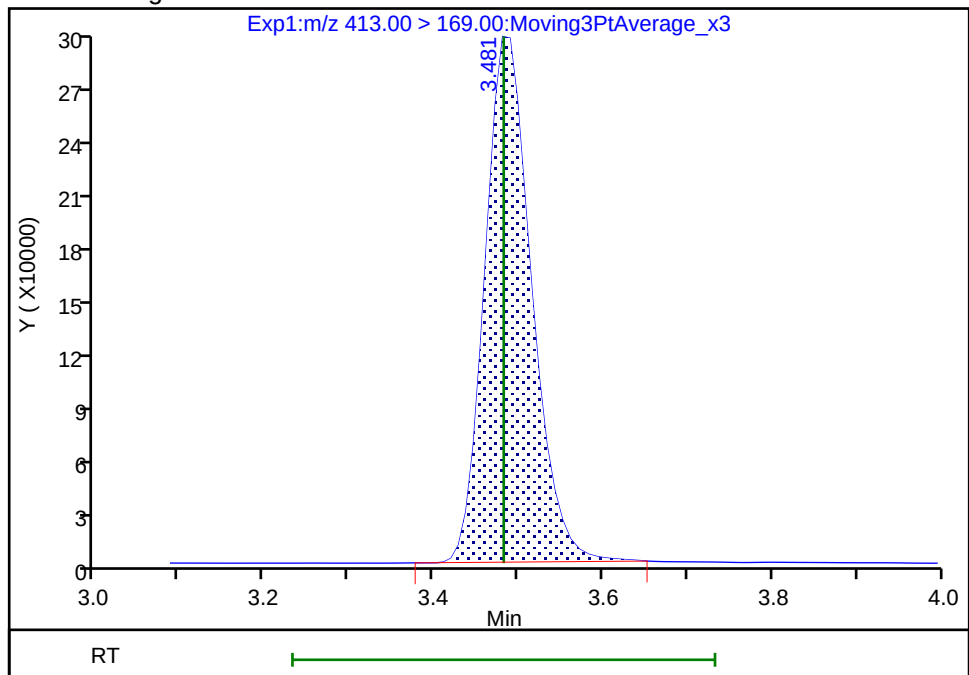
RT: 3.48
Area: 1144648
Amount: 2.249285
Amount Units: ng/ml

Processing Integration Results



RT: 3.48
Area: 1134261
Amount: 2.270536
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:57:13

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d

Injection Date: 03-Aug-2022 13:33:00

Instrument ID: LC812

Lims ID: IC

Client ID:

Operator ID: lc812tech

ALS Bottle#:

6

Worklist Smp#: 9

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

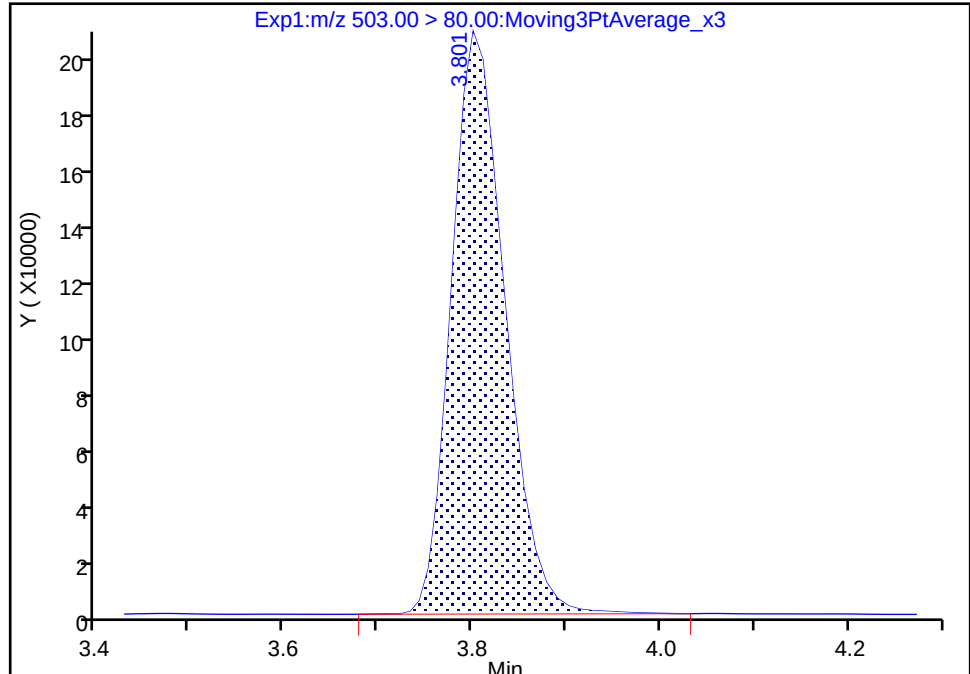
Detector: EXP1

D 18 13C4 PFOS, CAS: STL00991

Signal: 1

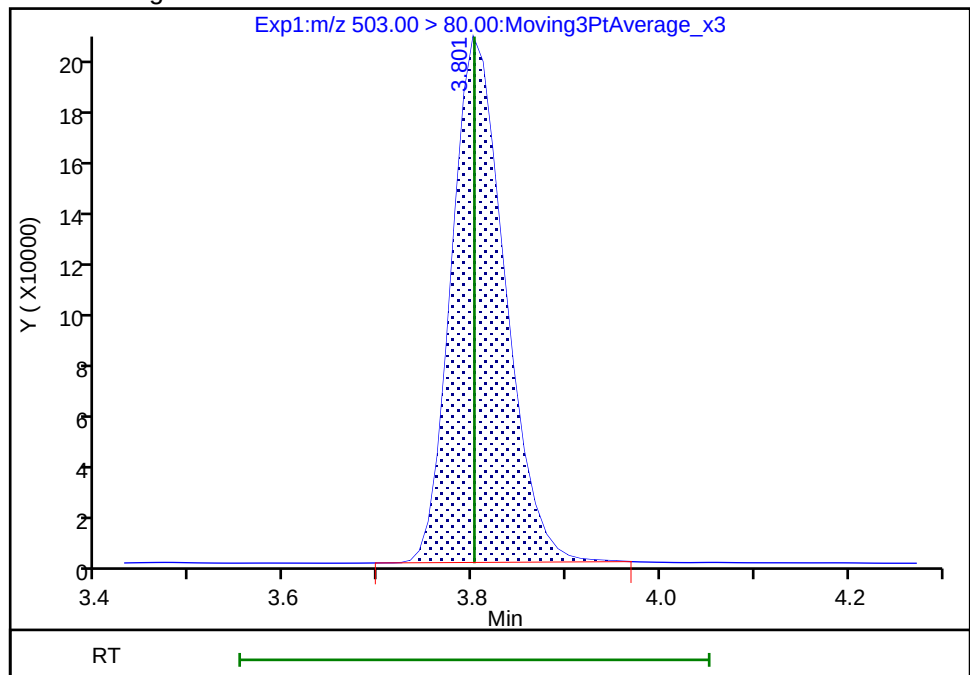
RT: 3.80
Area: 829470
Amount: 1.113603
Amount Units: ng/ml

Processing Integration Results



RT: 3.80
Area: 824732
Amount: 1.173991
Amount Units: ng/ml

Manual Integration Results



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

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

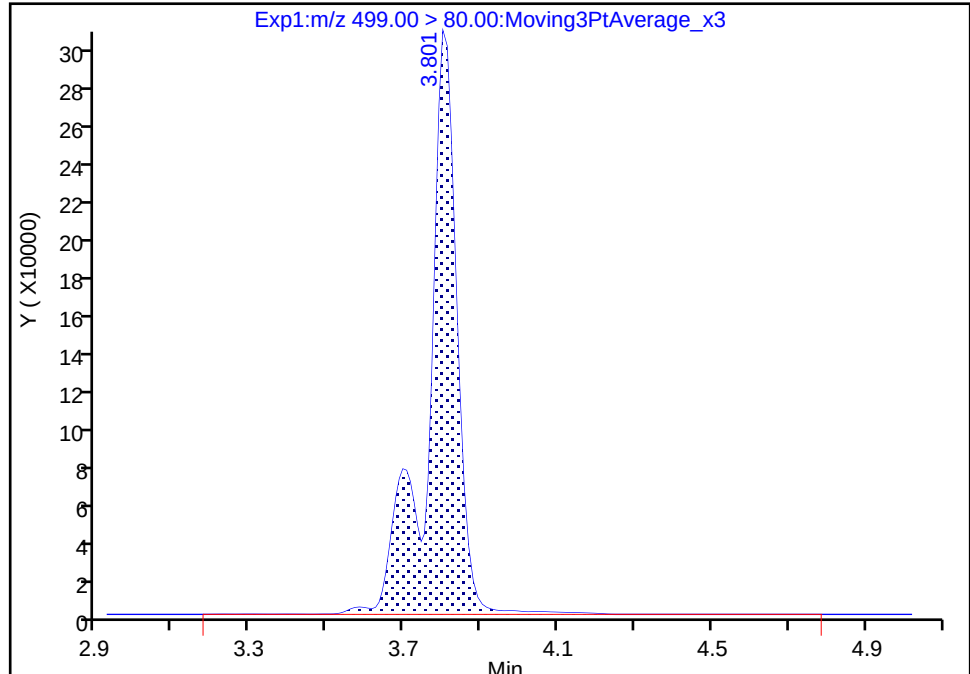
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

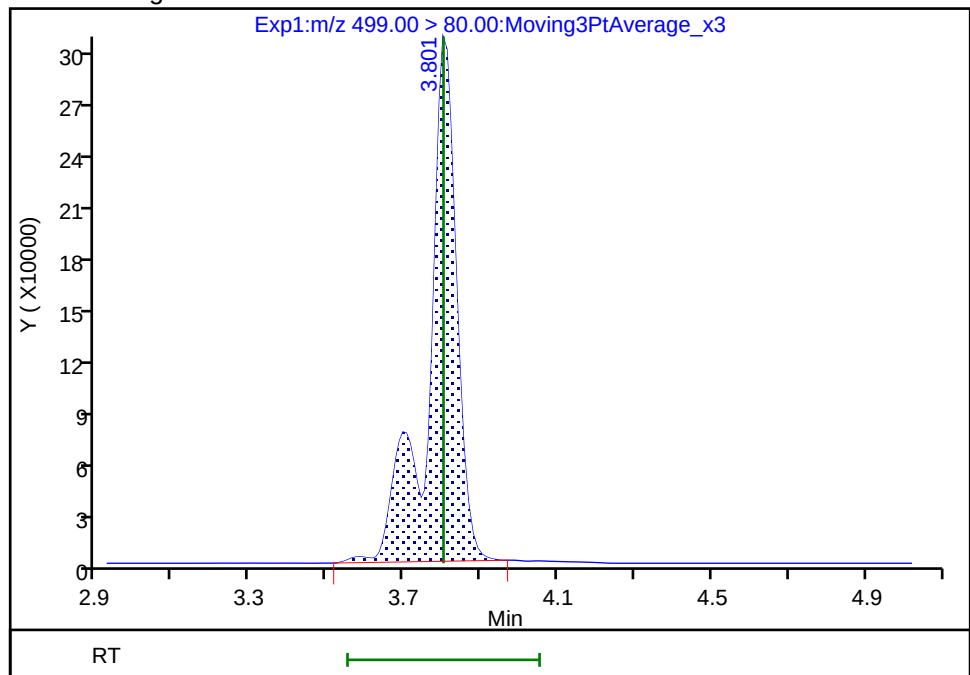
RT: 3.80
Area: 1607142
Amount: 2.084632
Amount Units: ng/ml

Processing Integration Results



RT: 3.80
Area: 1565335
Amount: 2.261149
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:57:29
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

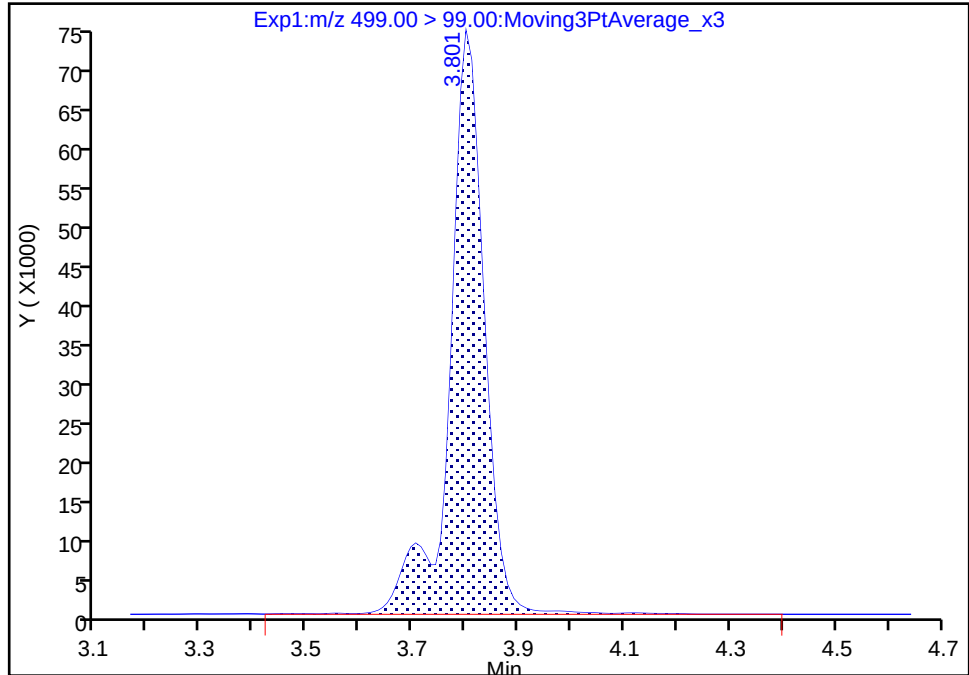
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

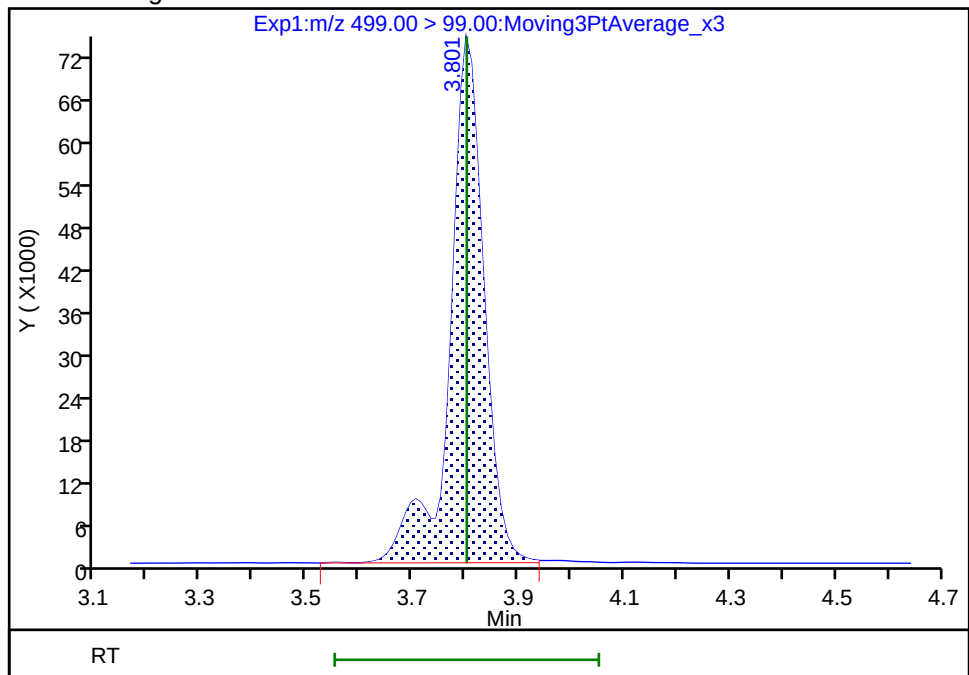
RT: 3.80
Area: 340542
Amount: 2.084632
Amount Units: ng/ml

Processing Integration Results



RT: 3.80
Area: 335836
Amount: 2.261149
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:58:06

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Page 565 of 1695

08/18/2022

Eurofins Burlington

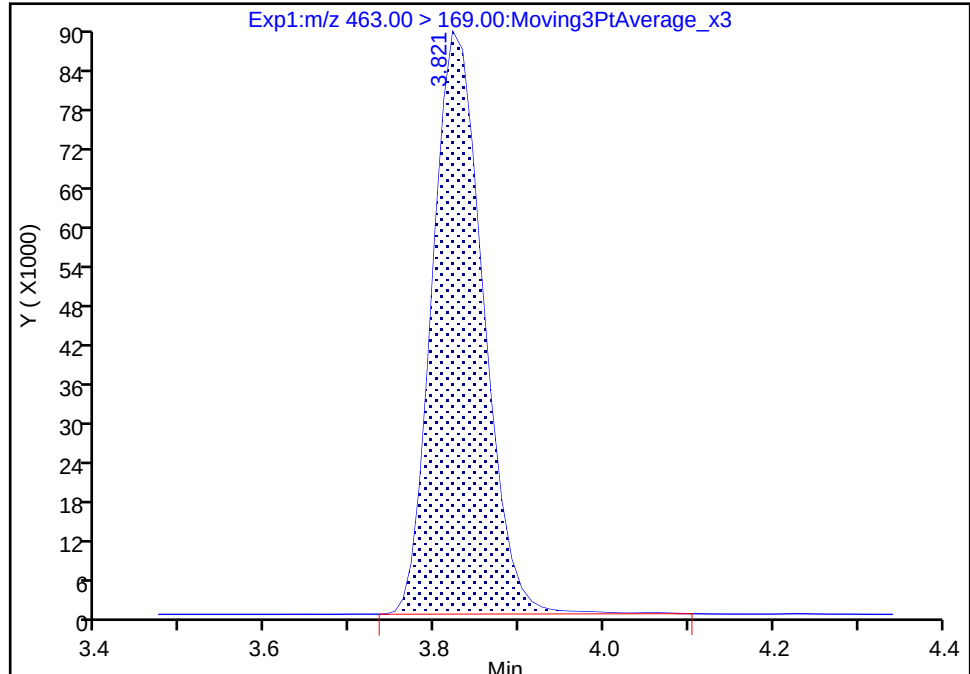
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

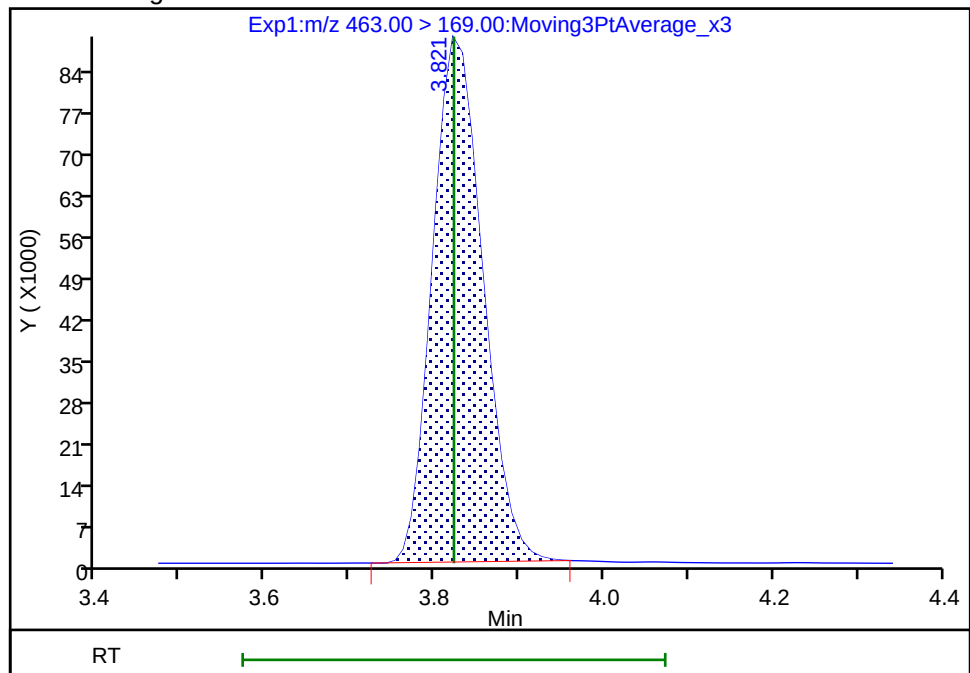
RT: 3.82
Area: 373534
Amount: 2.305779
Amount Units: ng/ml

Processing Integration Results



RT: 3.82
Area: 369381
Amount: 2.304156
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:58:18
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

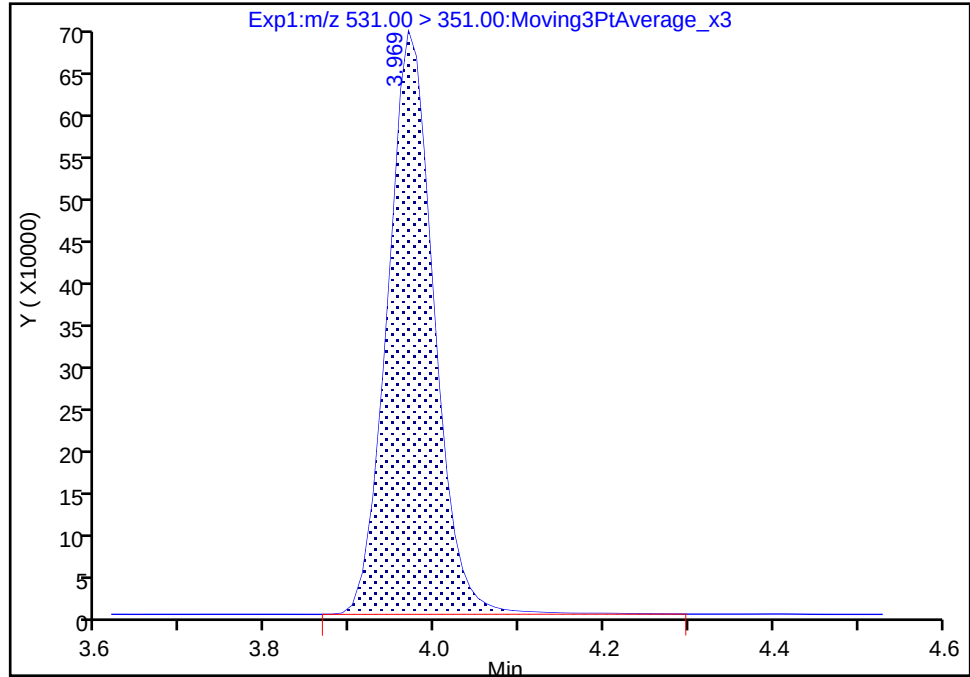
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

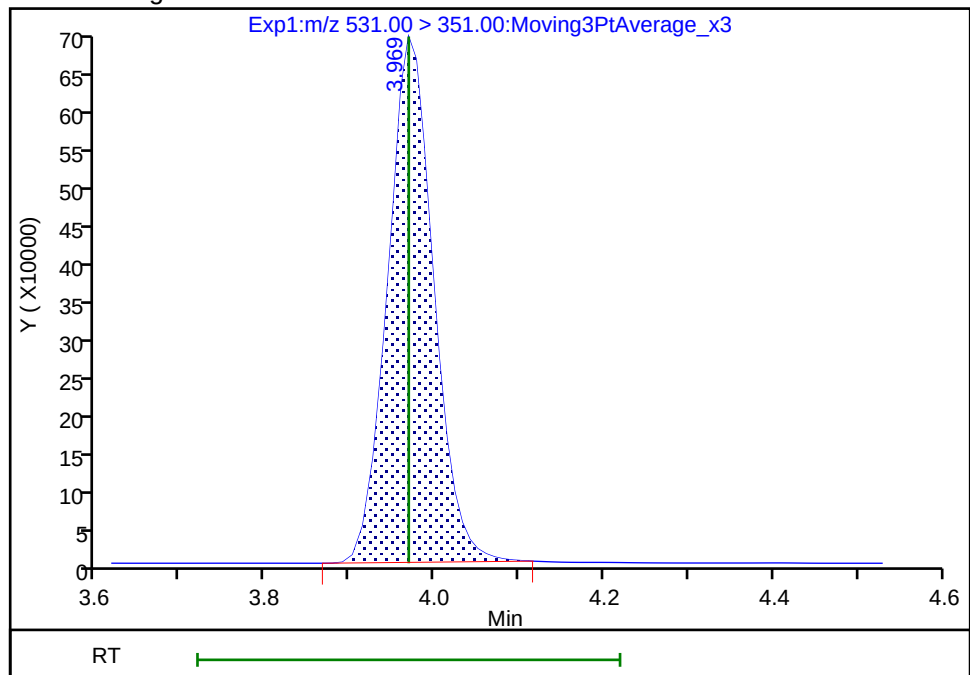
RT: 3.97
Area: 2635507
Amount: 2.152558
Amount Units: ng/ml

Processing Integration Results



RT: 3.97
Area: 2607229
Amount: 2.138557
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:58:25
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

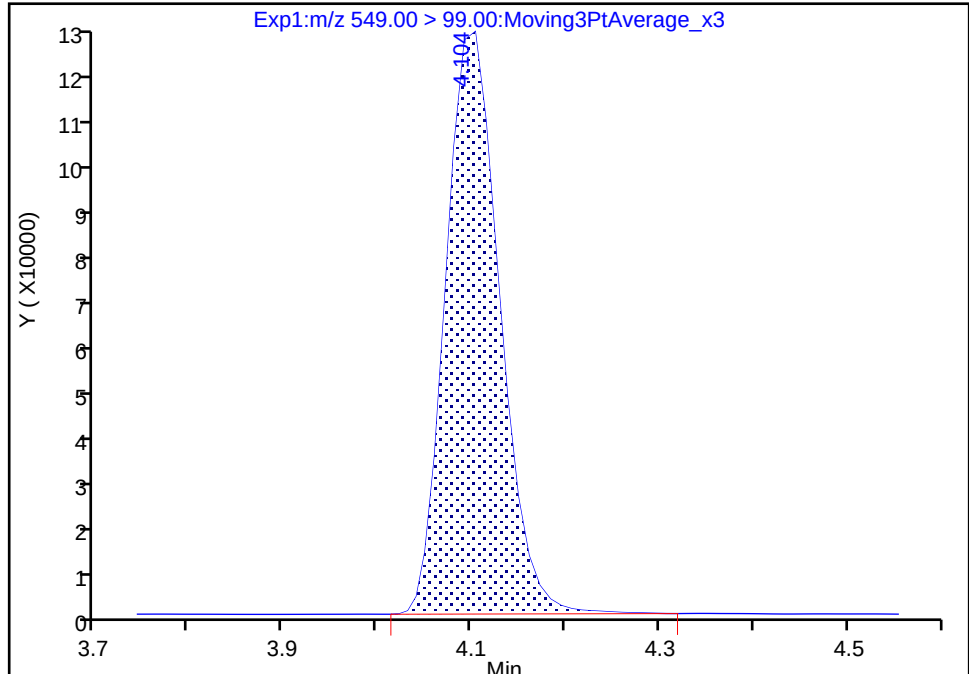
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 2

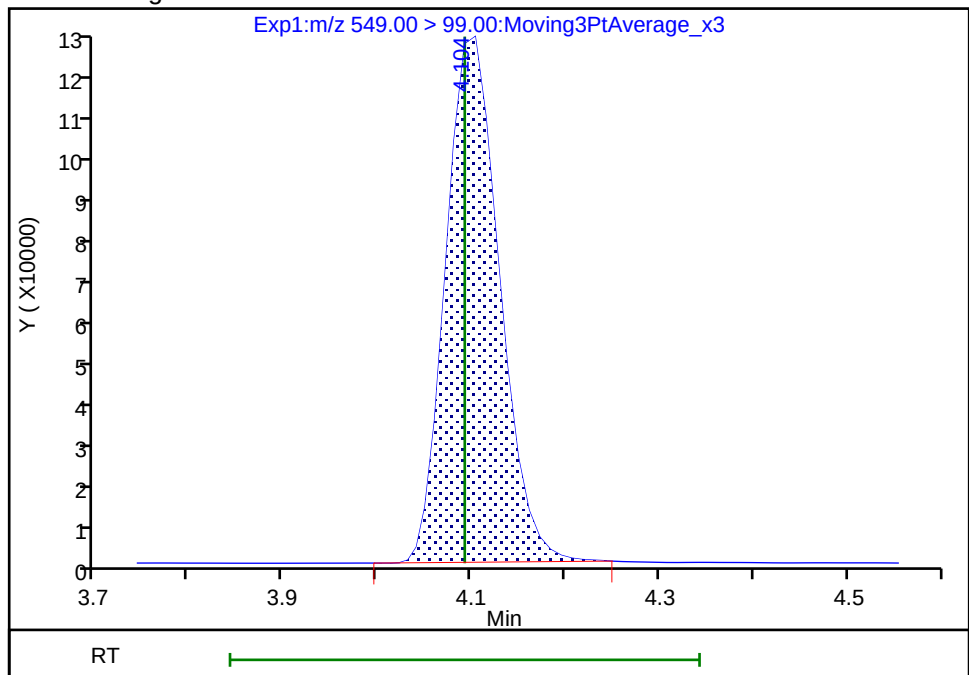
RT: 4.10
Area: 480951
Amount: 2.263721
Amount Units: ng/ml

Processing Integration Results



RT: 4.10
Area: 477549
Amount: 2.235258
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:58:32
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

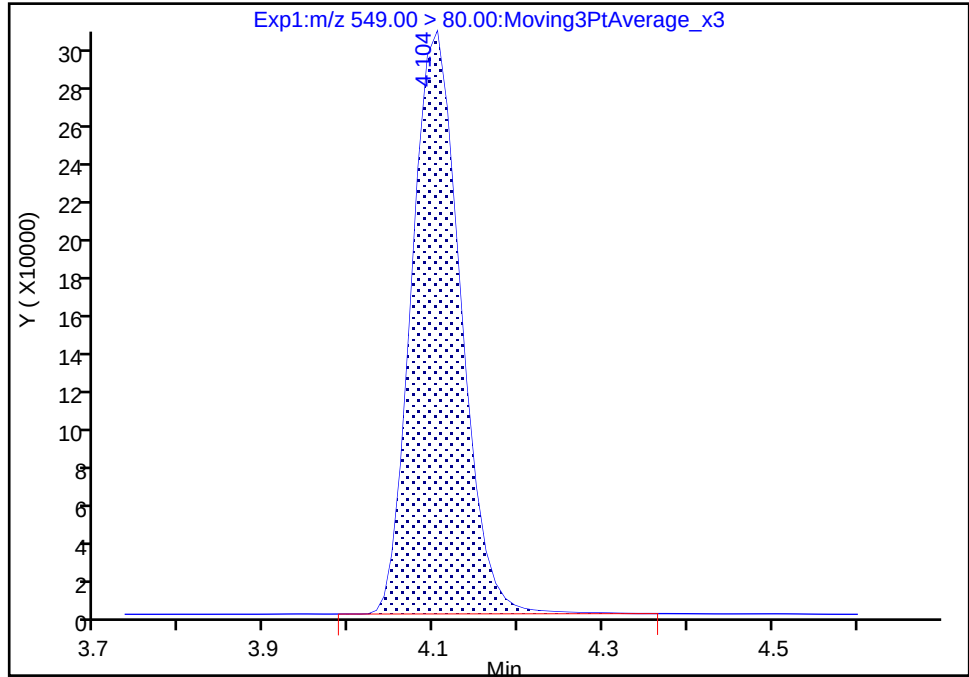
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 1

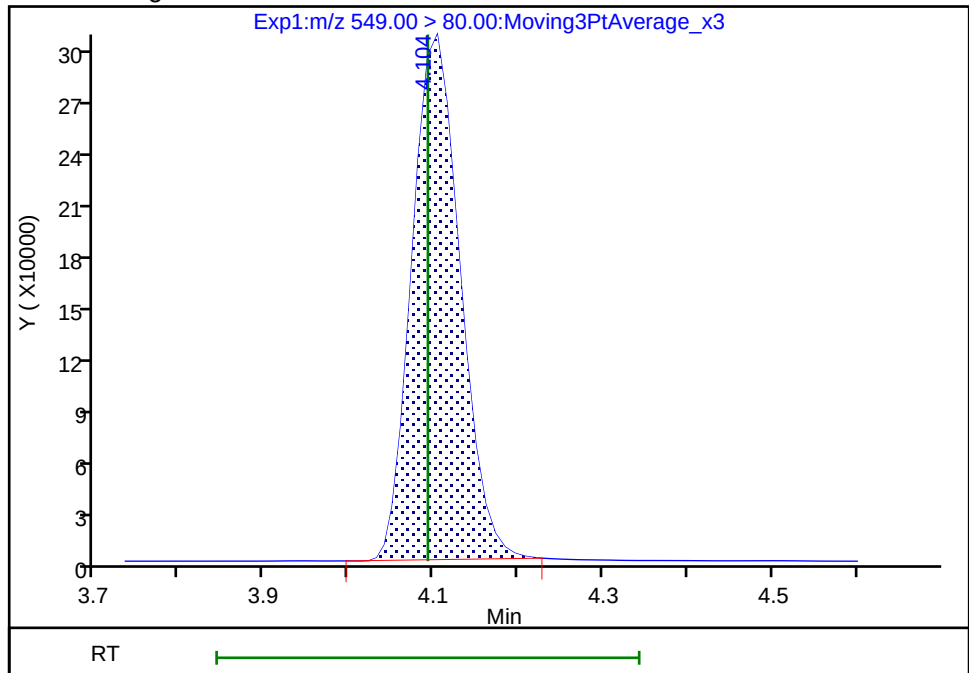
RT: 4.10
Area: 1222103
Amount: 2.263721
Amount Units: ng/ml

Processing Integration Results



RT: 4.10
Area: 1207870
Amount: 2.235258
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:58:36

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

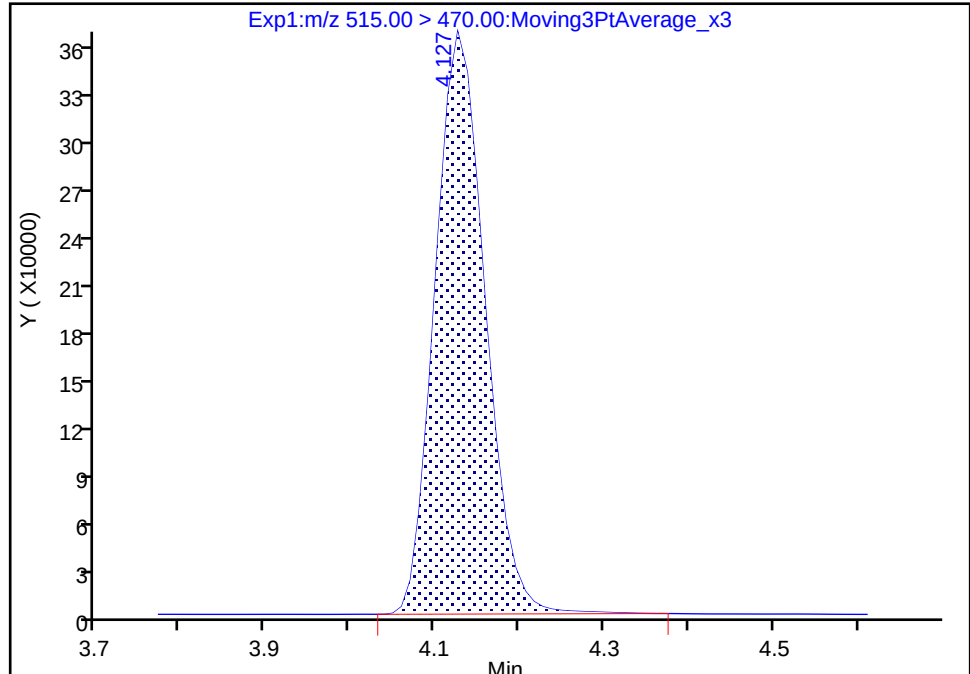
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 23 13C2 PFDA, CAS: STL00996

Signal: 1

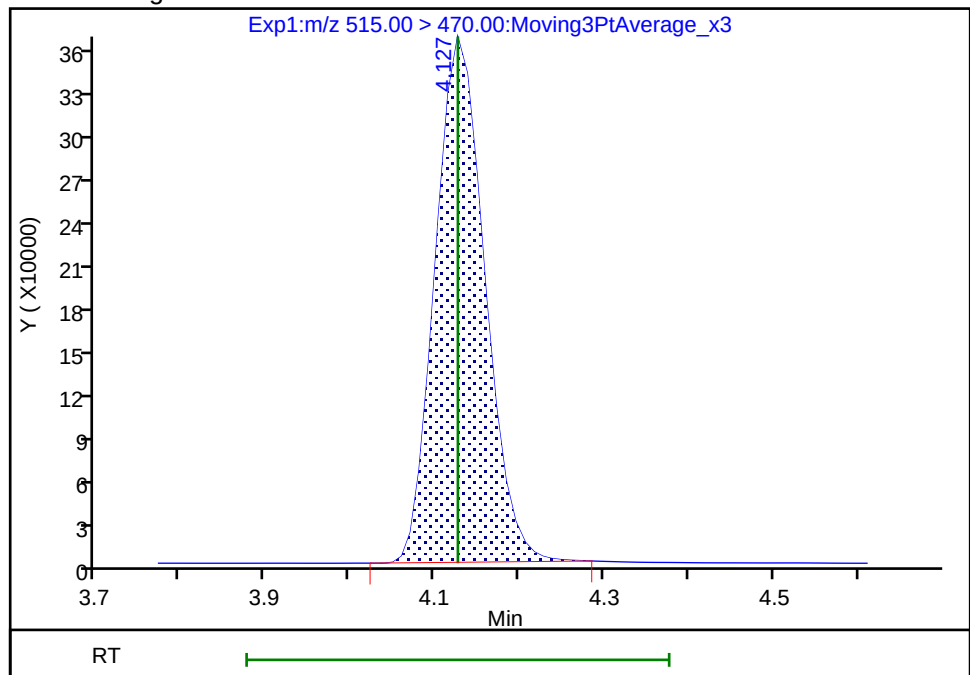
RT: 4.13
Area: 1482848
Amount: 1.193073
Amount Units: ng/ml

Processing Integration Results



RT: 4.13
Area: 1471206
Amount: 1.186922
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:58:55
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

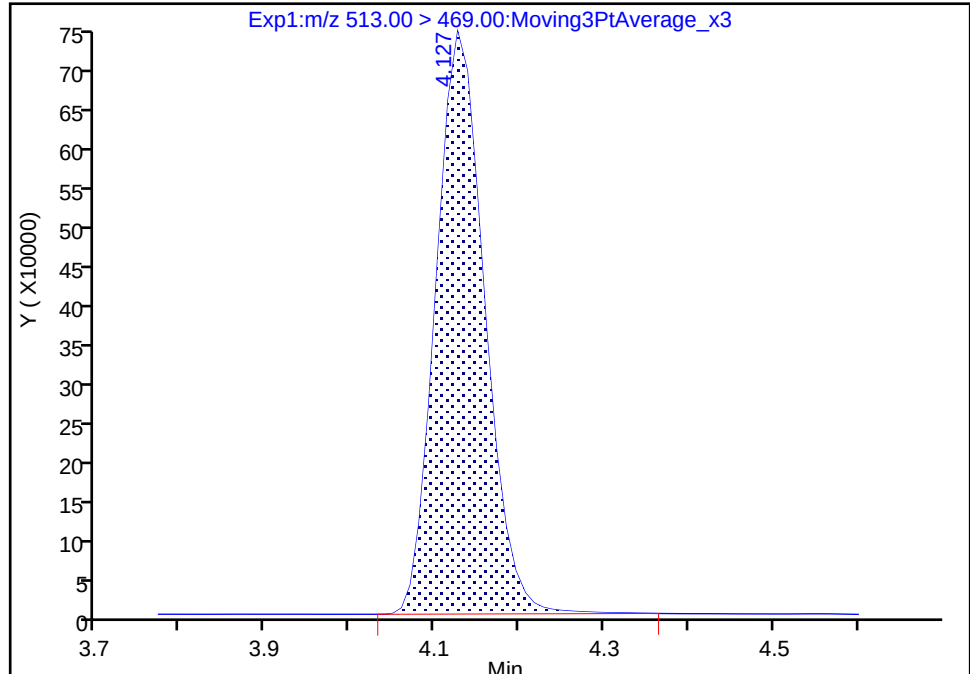
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

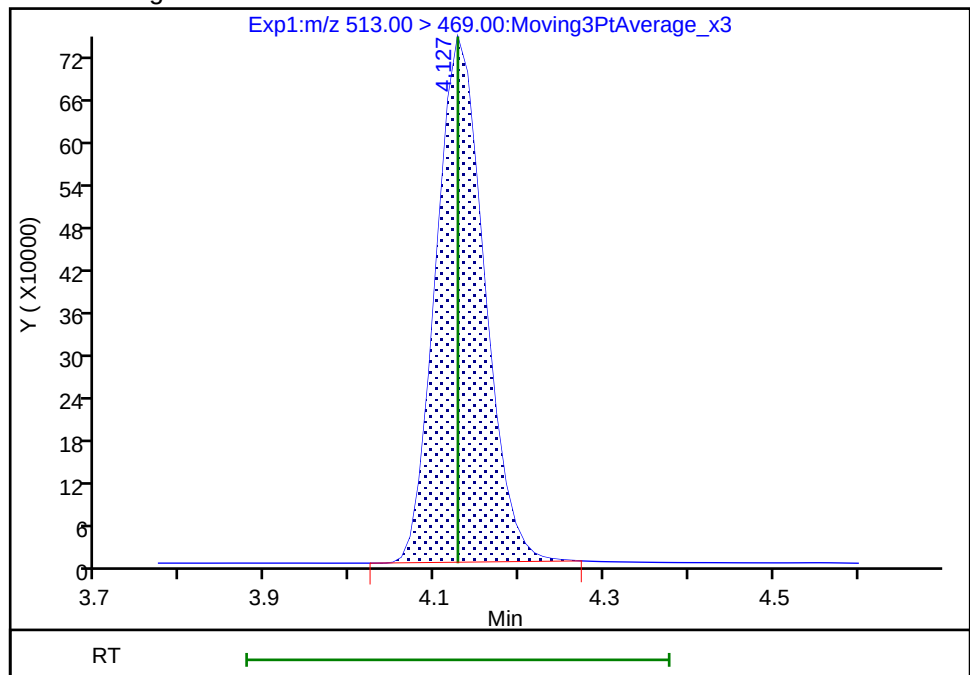
RT: 4.13
Area: 2988644
Amount: 2.398812
Amount Units: ng/ml

Processing Integration Results



RT: 4.13
Area: 2964619
Amount: 2.395048
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:58:45
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

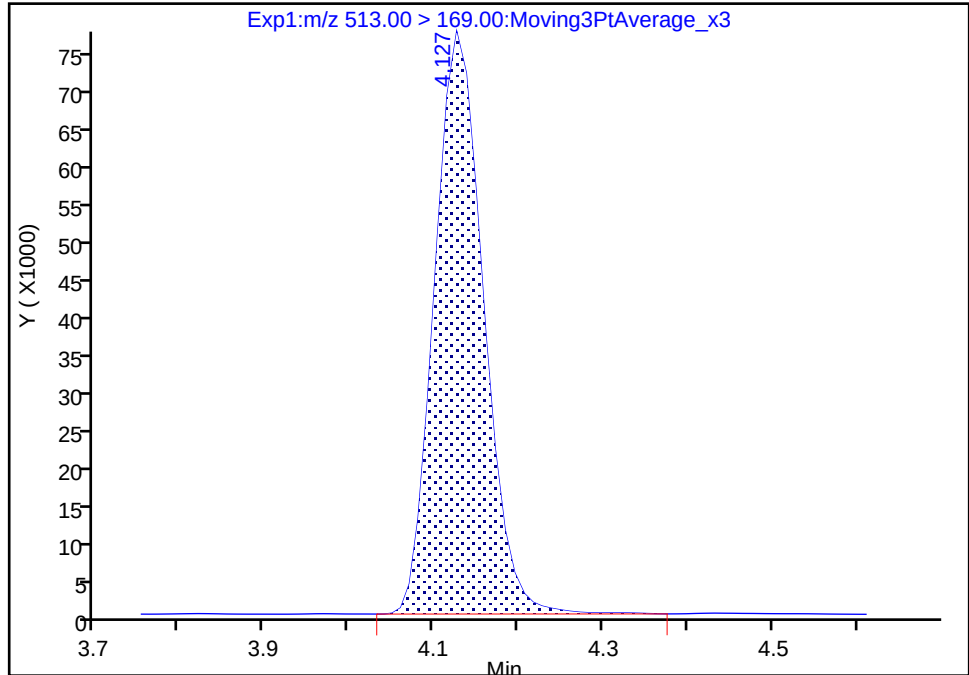
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

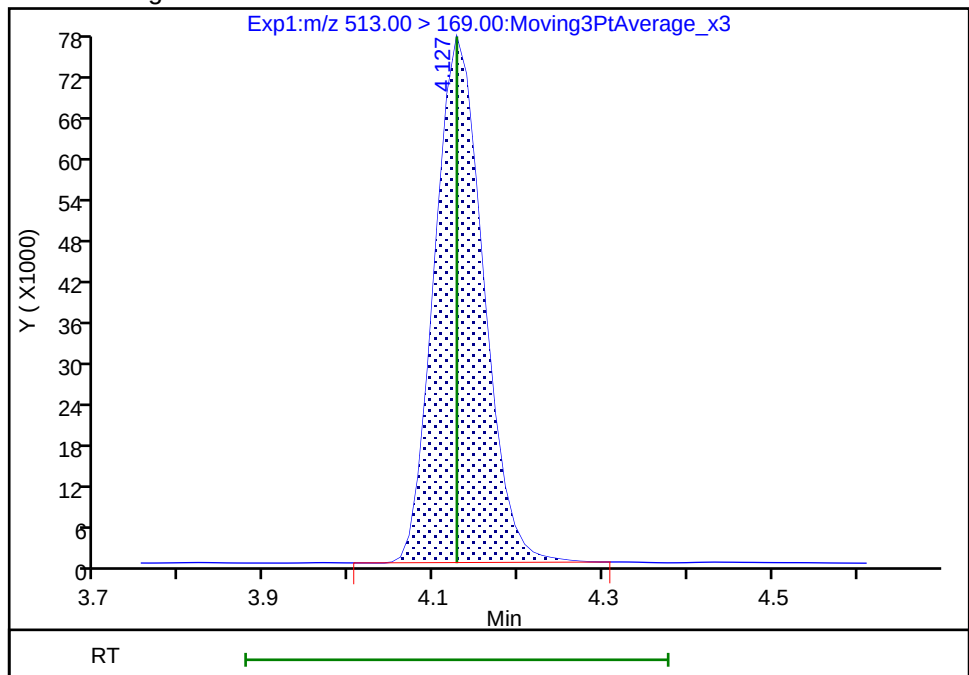
RT: 4.13
Area: 313413
Amount: 2.398812
Amount Units: ng/ml

Processing Integration Results



RT: 4.13
Area: 311853
Amount: 2.395048
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:58:49

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Page 572 of 1695

08/18/2022

Eurofins Burlington

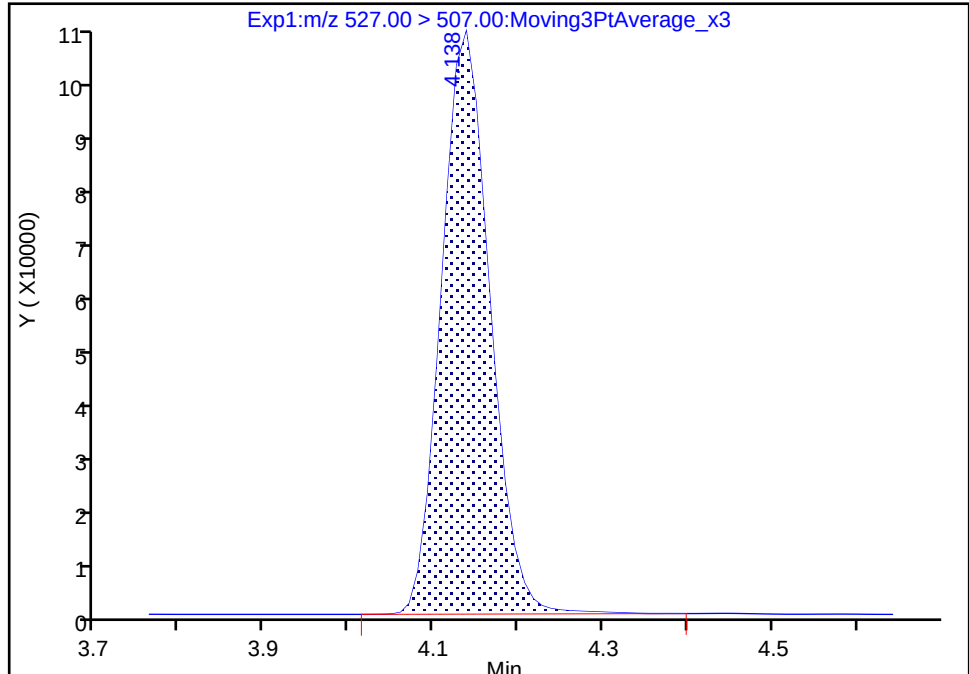
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

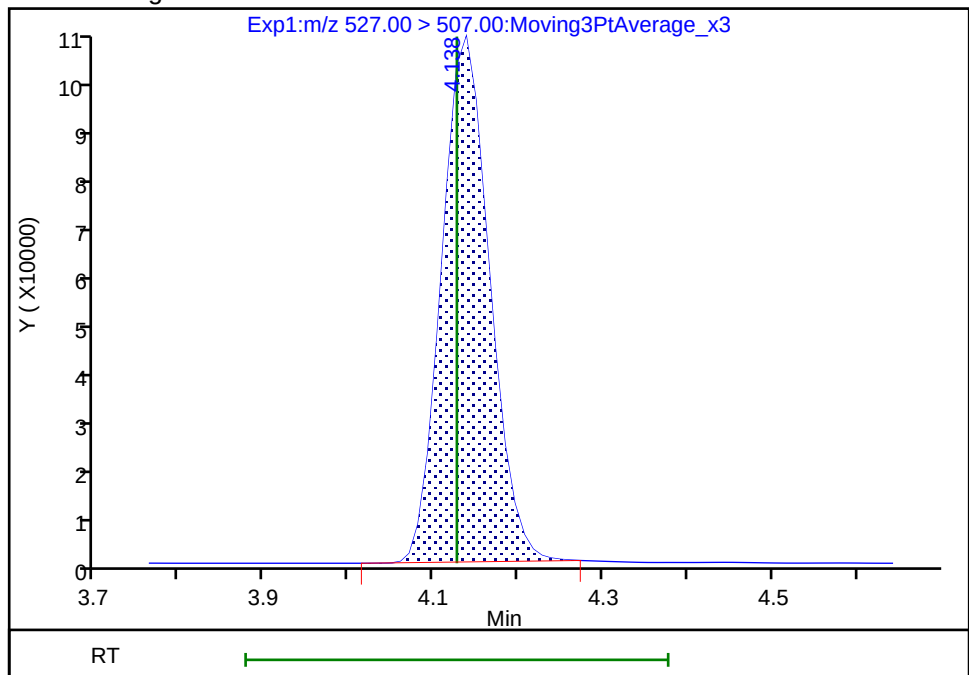
RT: 4.14
Area: 404199
Amount: 2.245079
Amount Units: ng/ml

Processing Integration Results



RT: 4.14
Area: 399769
Amount: 2.277386
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:58:40
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

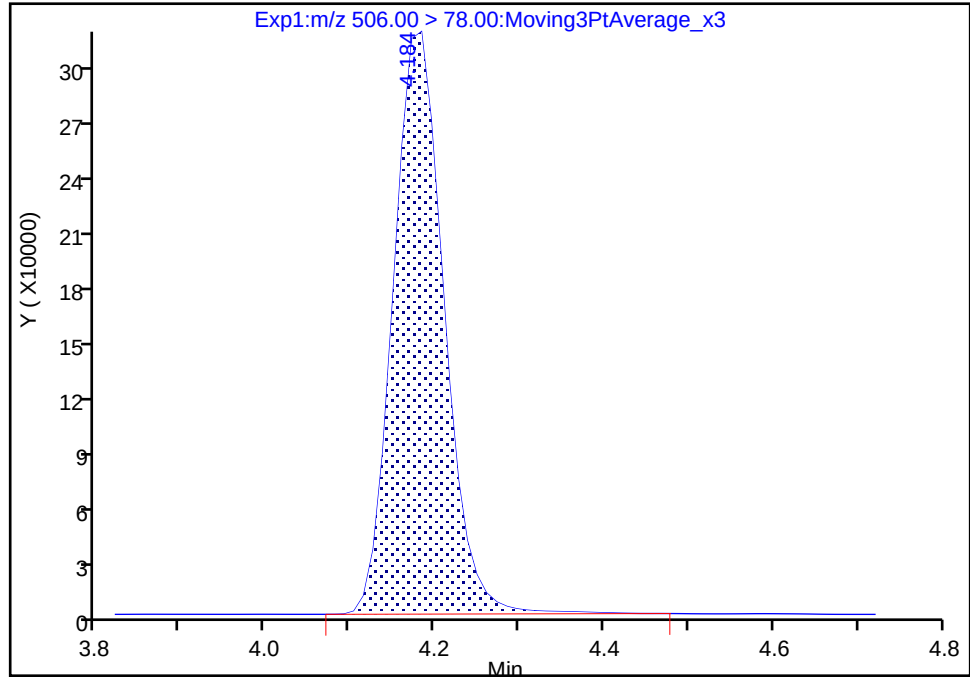
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

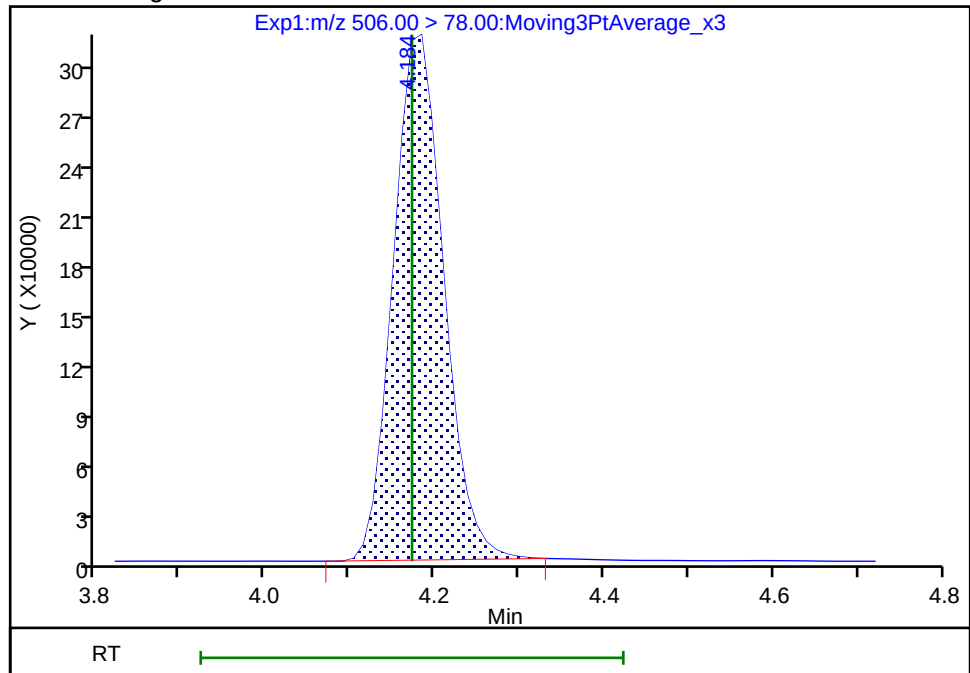
RT: 4.18
Area: 1331972
Amount: 1.156471
Amount Units: ng/ml

Processing Integration Results



RT: 4.18
Area: 1316398
Amount: 1.213435
Amount Units: ng/ml

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

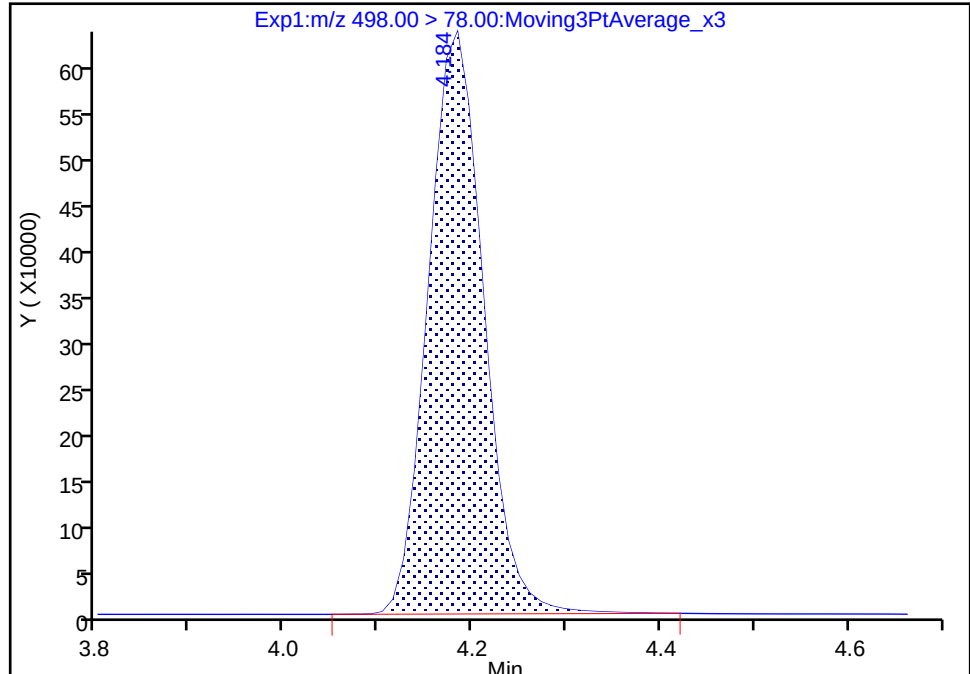
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

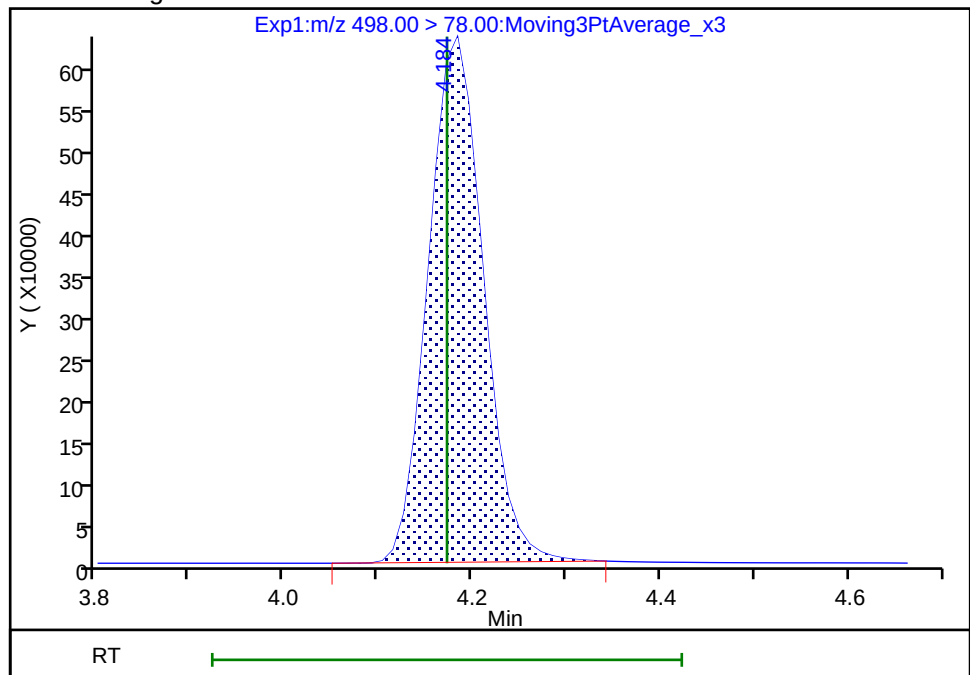
RT: 4.18
Area: 2595304
Amount: 2.422341
Amount Units: ng/ml

Processing Integration Results



RT: 4.18
Area: 2577197
Amount: 2.401555
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:59:08
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

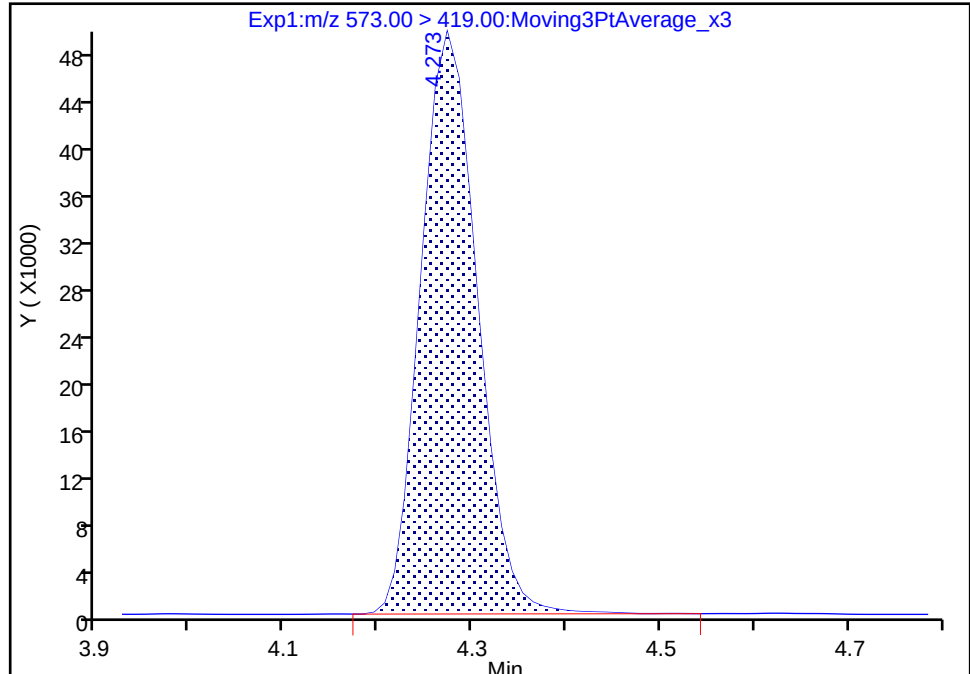
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

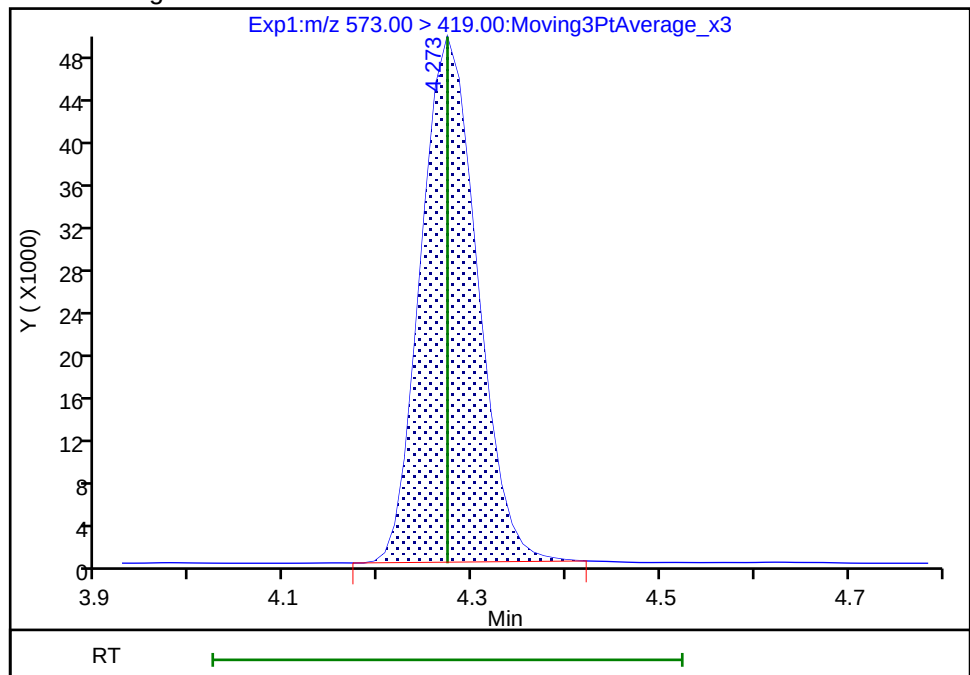
RT: 4.27
Area: 207193
Amount: 1.231549
Amount Units: ng/ml

Processing Integration Results



RT: 4.27
Area: 205583
Amount: 1.237454
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:59:19
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

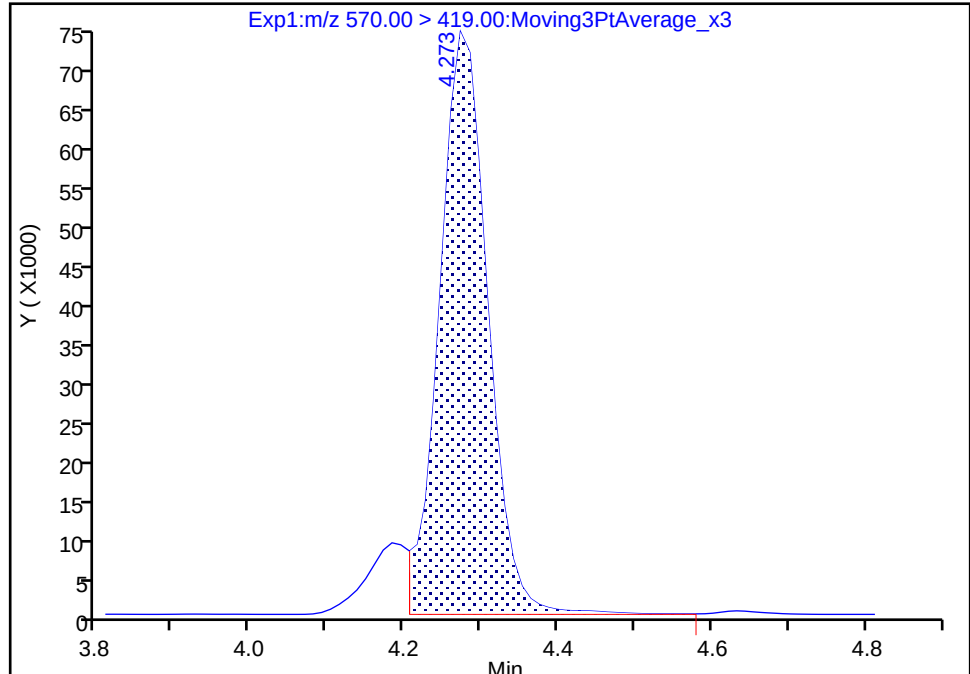
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

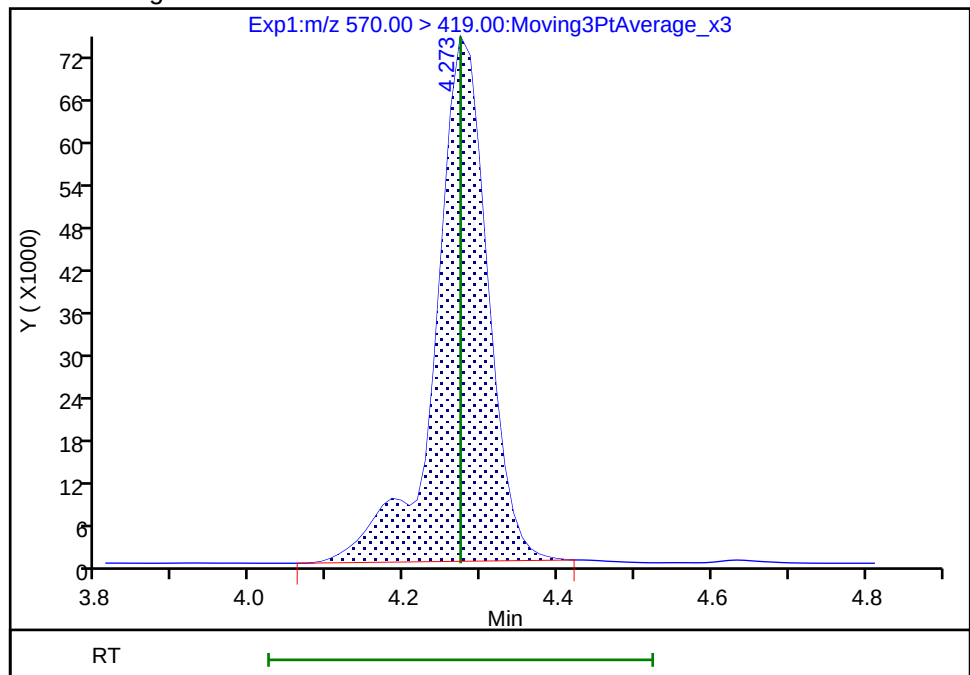
RT: 4.27
Area: 323980
Amount: 2.234704
Amount Units: ng/ml

Processing Integration Results



RT: 4.27
Area: 350351
Amount: 2.398606
Amount Units: ng/ml

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

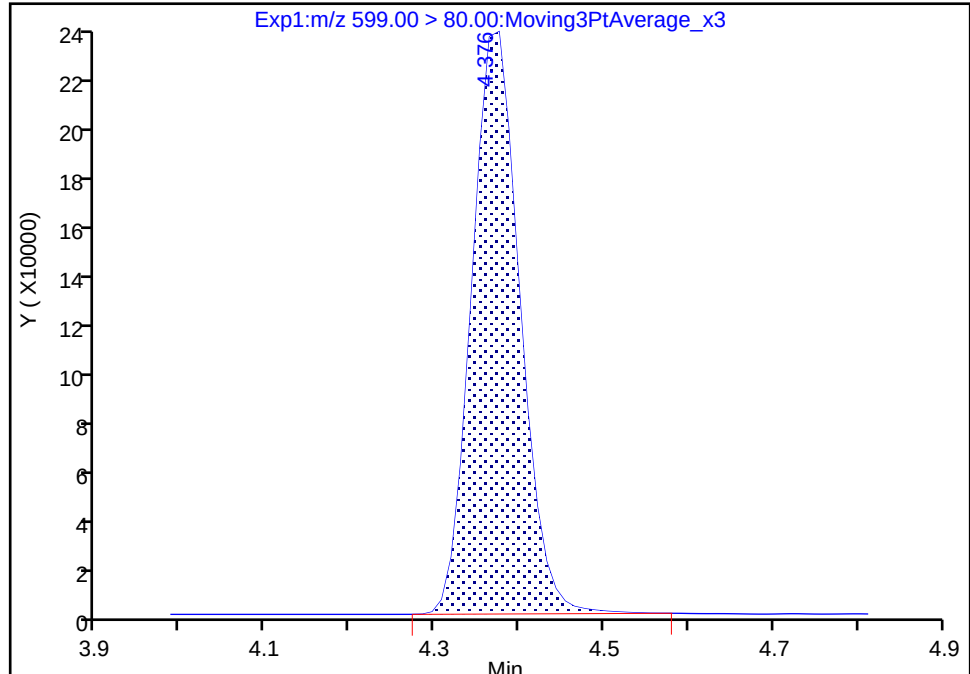
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

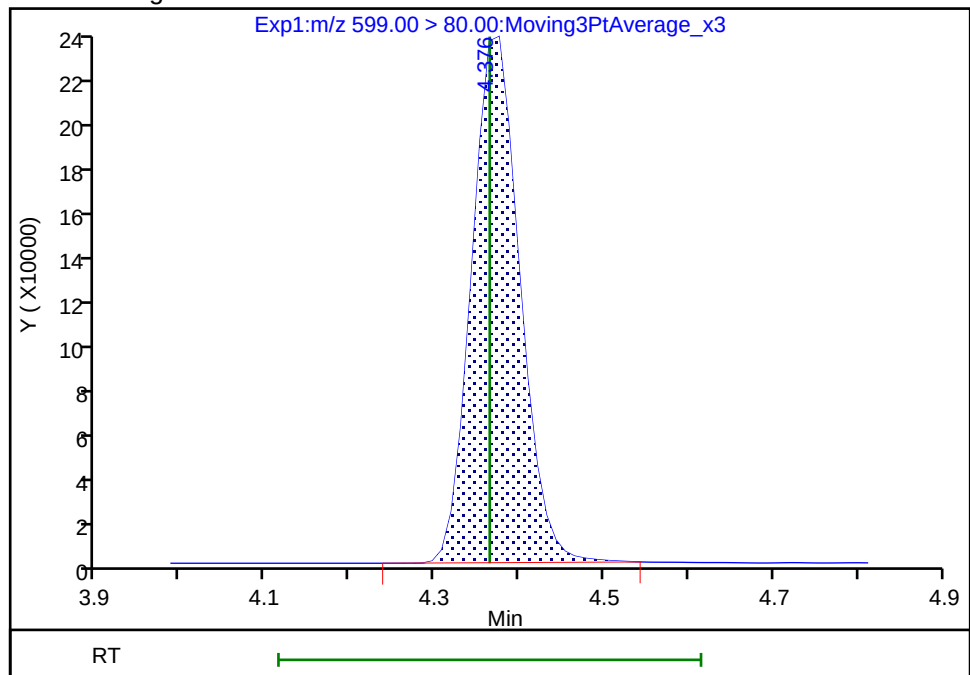
RT: 4.38
Area: 936525
Amount: 2.308051
Amount Units: ng/ml

Processing Integration Results



RT: 4.38
Area: 934202
Amount: 2.323189
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:59:24
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

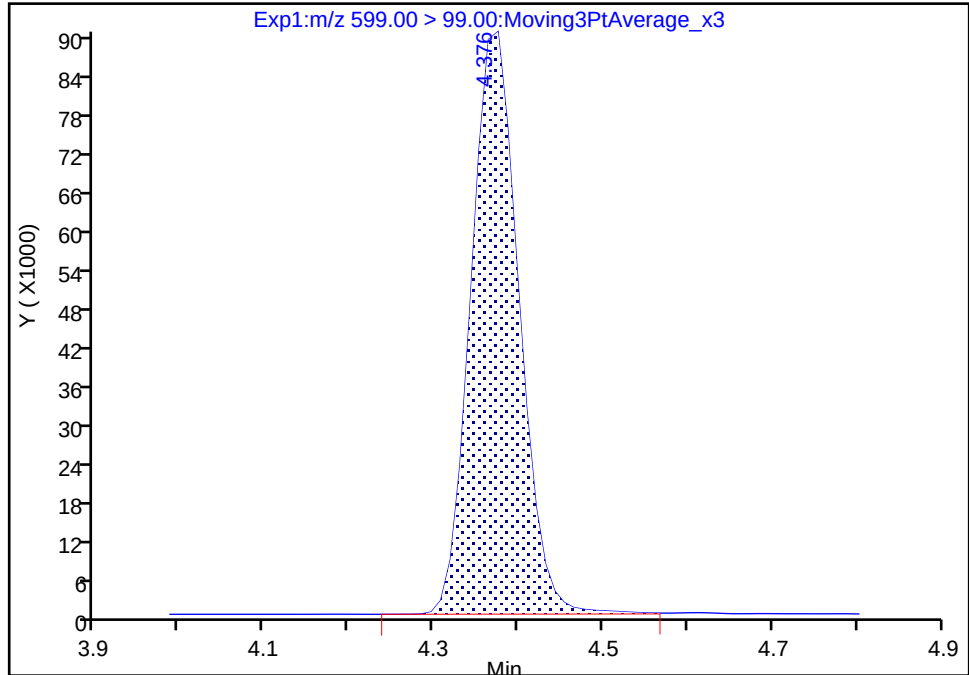
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

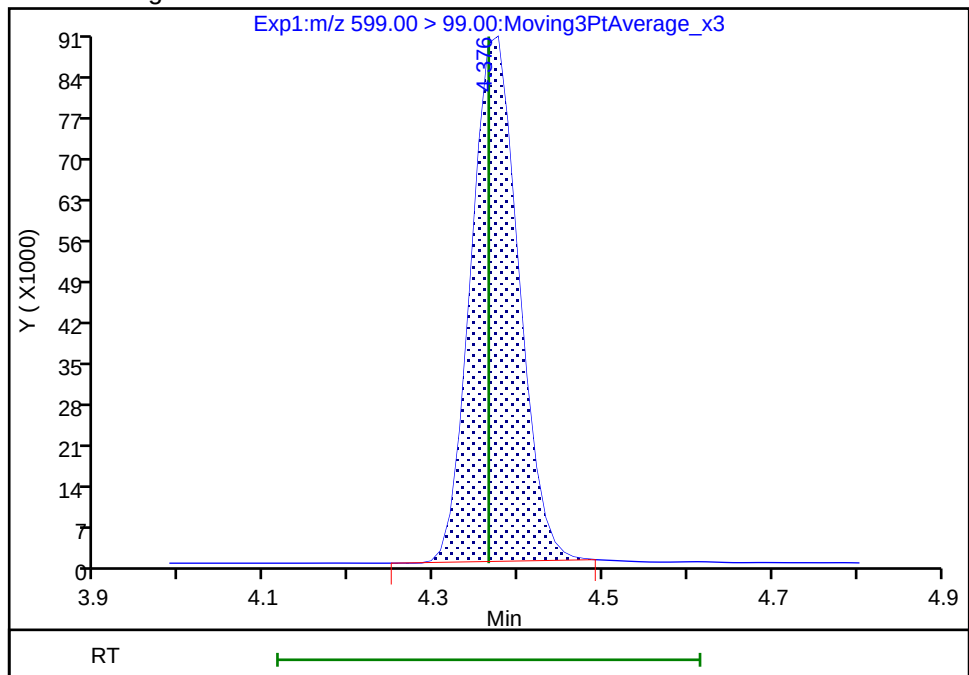
RT: 4.38
Area: 358853
Amount: 2.308051
Amount Units: ng/ml

Processing Integration Results



RT: 4.38
Area: 353361
Amount: 2.323189
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:59:28

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

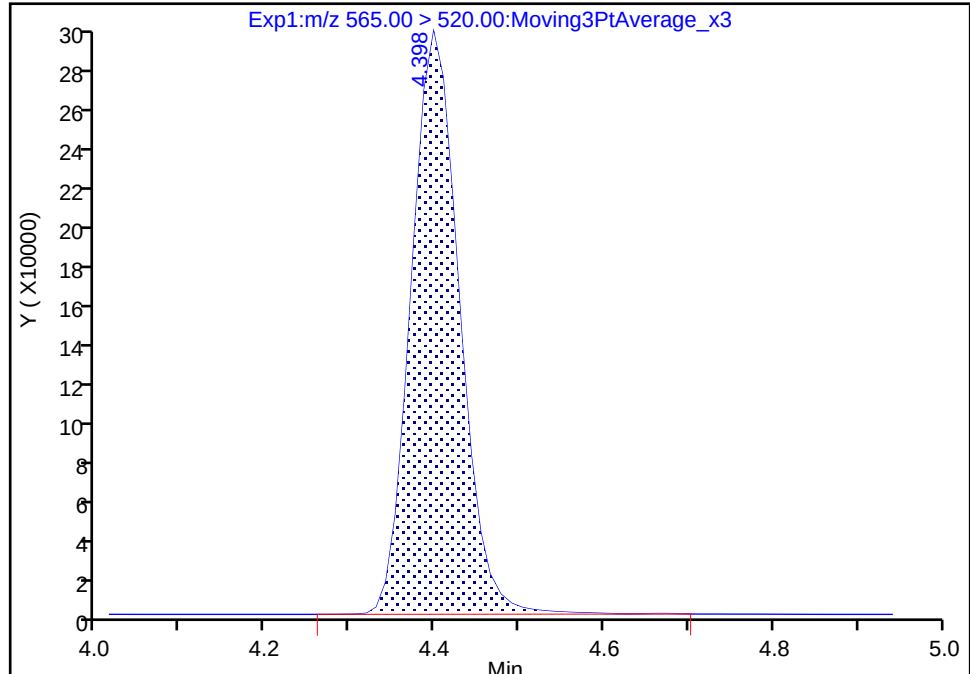
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

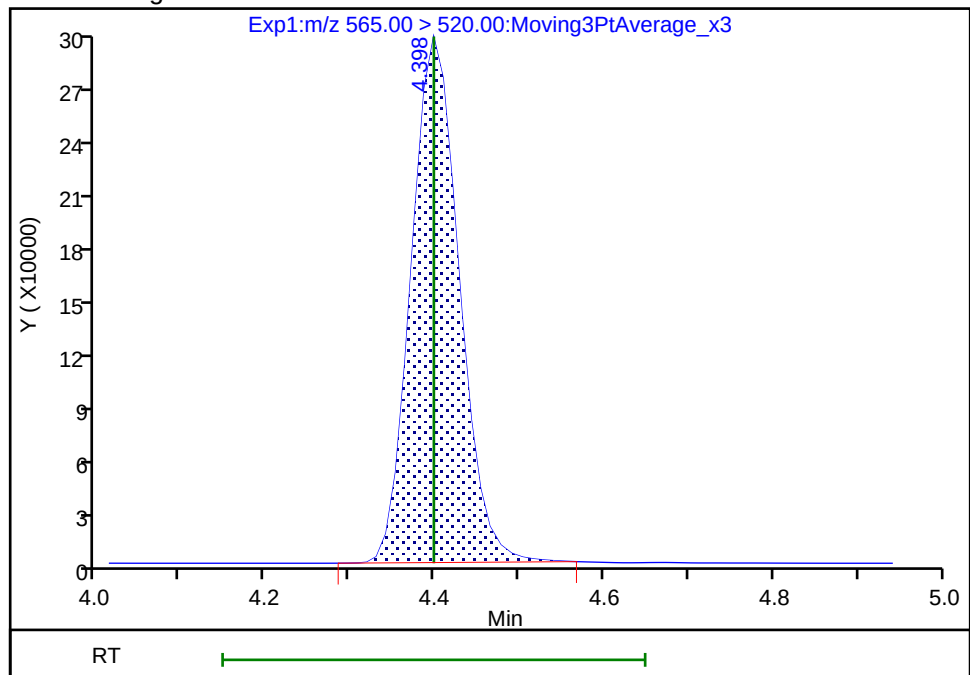
RT: 4.40
Area: 1171704
Amount: 1.219979
Amount Units: ng/ml

Processing Integration Results



RT: 4.40
Area: 1162923
Amount: 1.238271
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:59:34
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

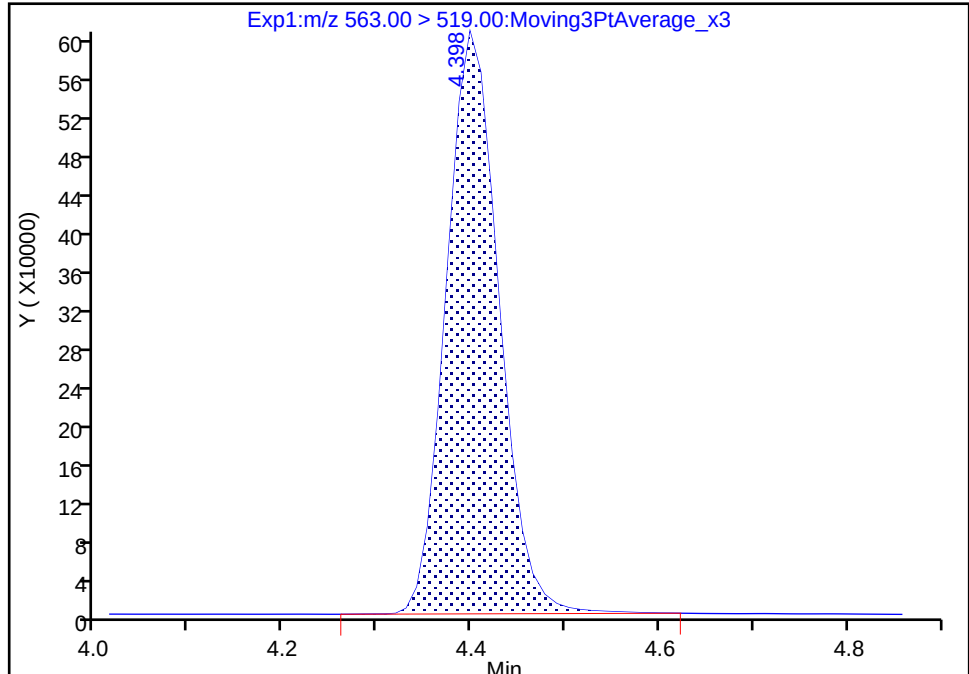
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

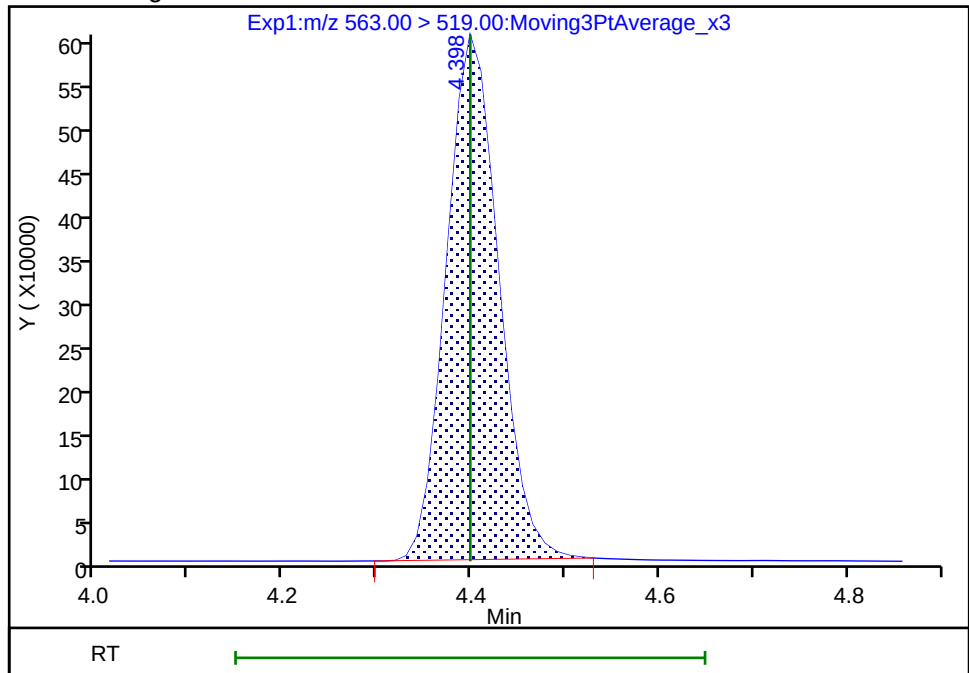
RT: 4.40
Area: 2338708
Amount: 2.391819
Amount Units: ng/ml

Processing Integration Results



RT: 4.40
Area: 2312817
Amount: 2.346523
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:59:38
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

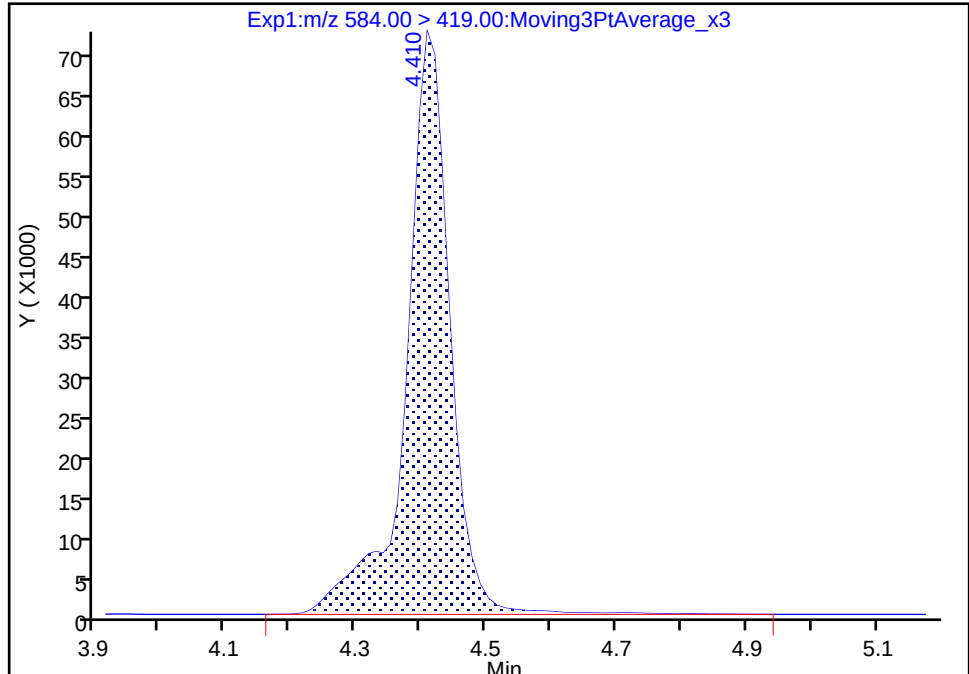
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

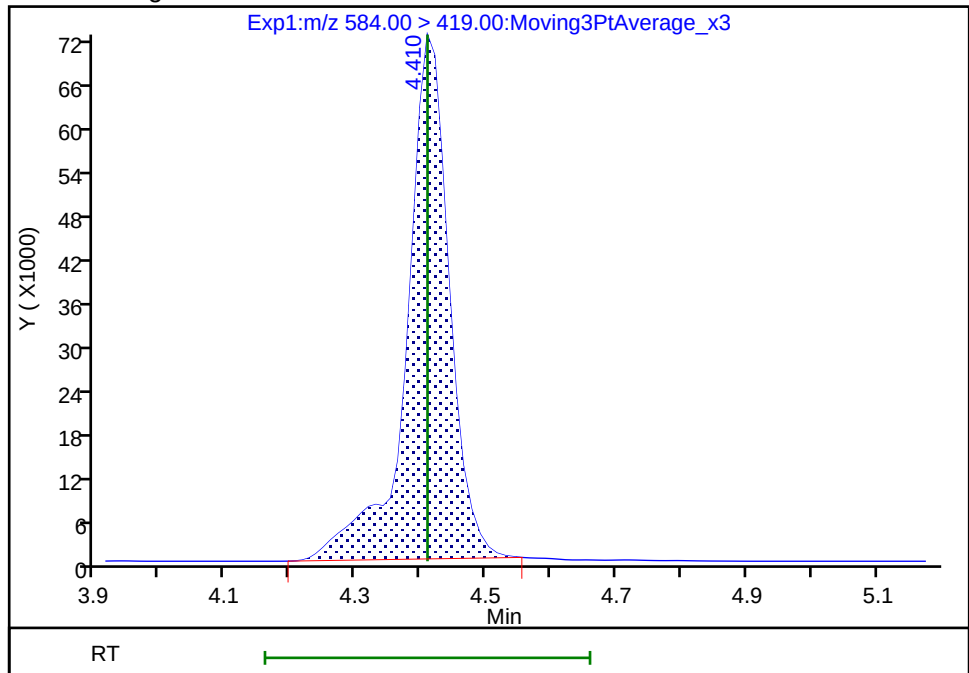
RT: 4.41
Area: 338808
Amount: 2.376370
Amount Units: ng/ml

Processing Integration Results



RT: 4.41
Area: 329631
Amount: 2.322743
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:59:44
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

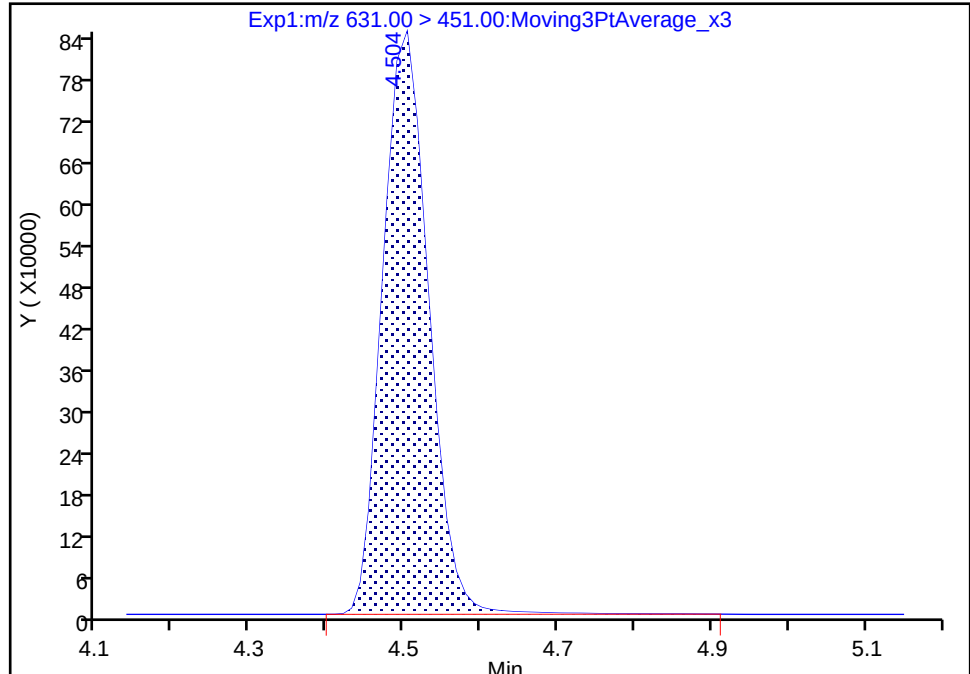
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

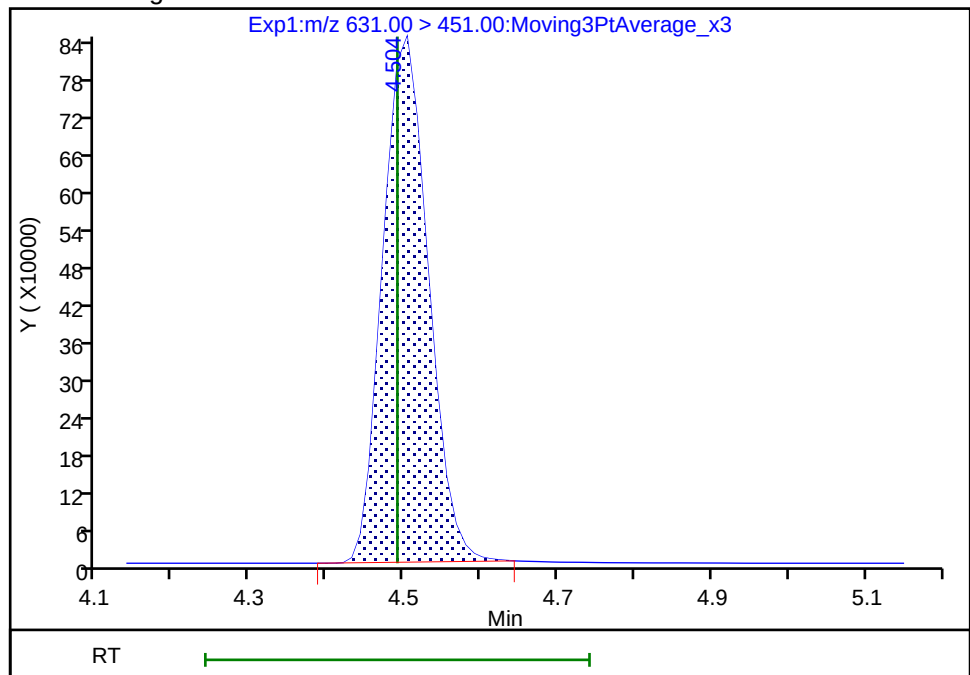
RT: 4.50
Area: 3521952
Amount: 2.211109
Amount Units: ng/ml

Processing Integration Results



RT: 4.50
Area: 3478140
Amount: 2.191935
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:59:52

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

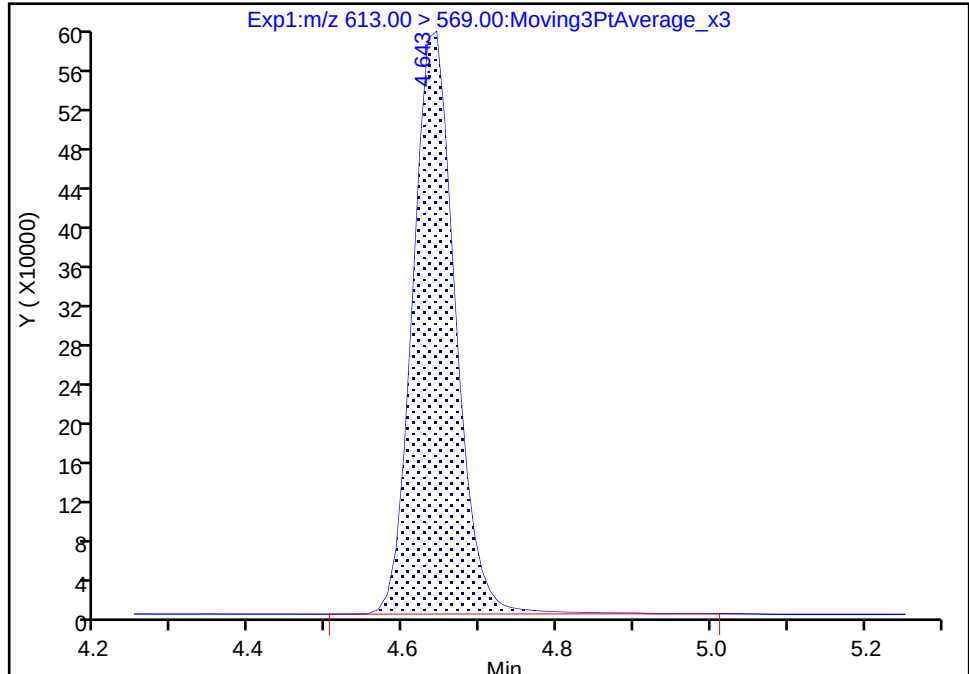
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

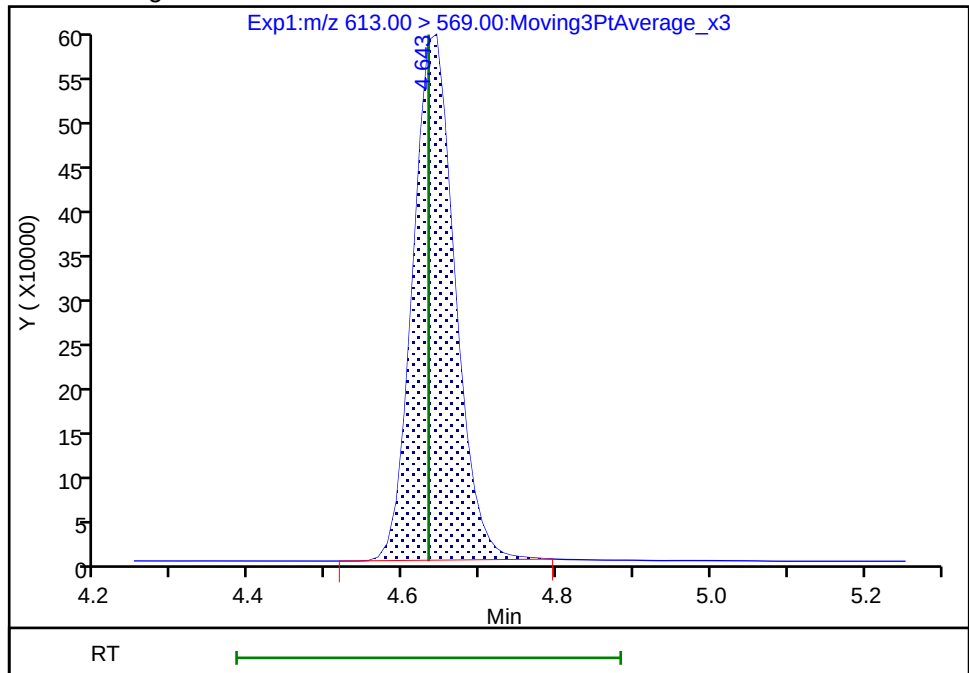
RT: 4.64
Area: 2281722
Amount: 2.351526
Amount Units: ng/ml

Processing Integration Results



RT: 4.64
Area: 2257049
Amount: 2.326708
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:59:58
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

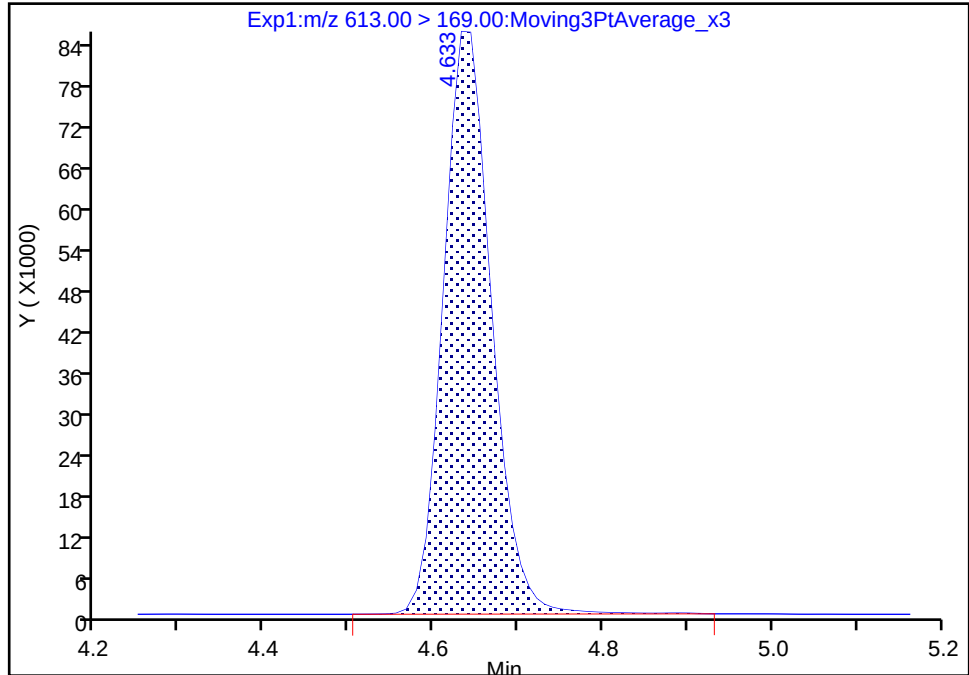
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

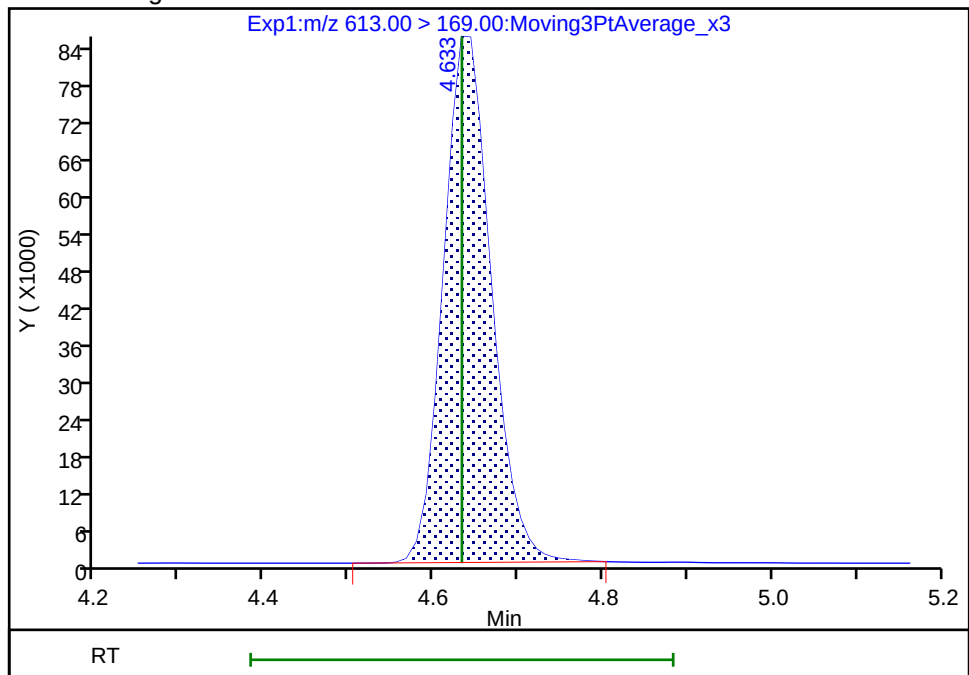
RT: 4.63
Area: 337189
Amount: 2.351526
Amount Units: ng/ml

Processing Integration Results



RT: 4.63
Area: 334655
Amount: 2.326708
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:00:02

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Page 585 of 1695

08/18/2022

Eurofins Burlington

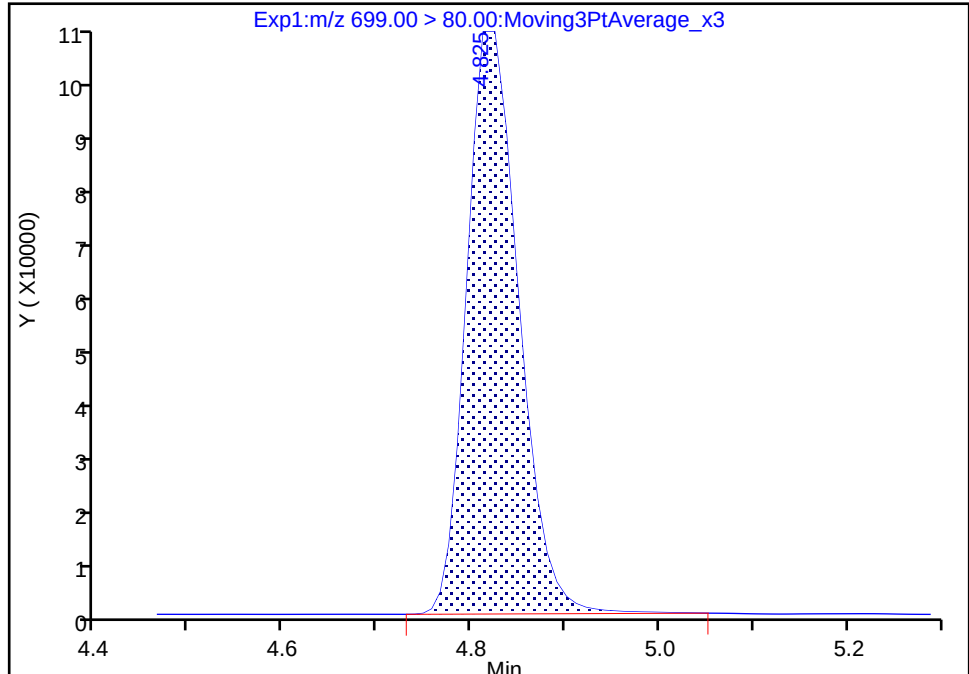
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

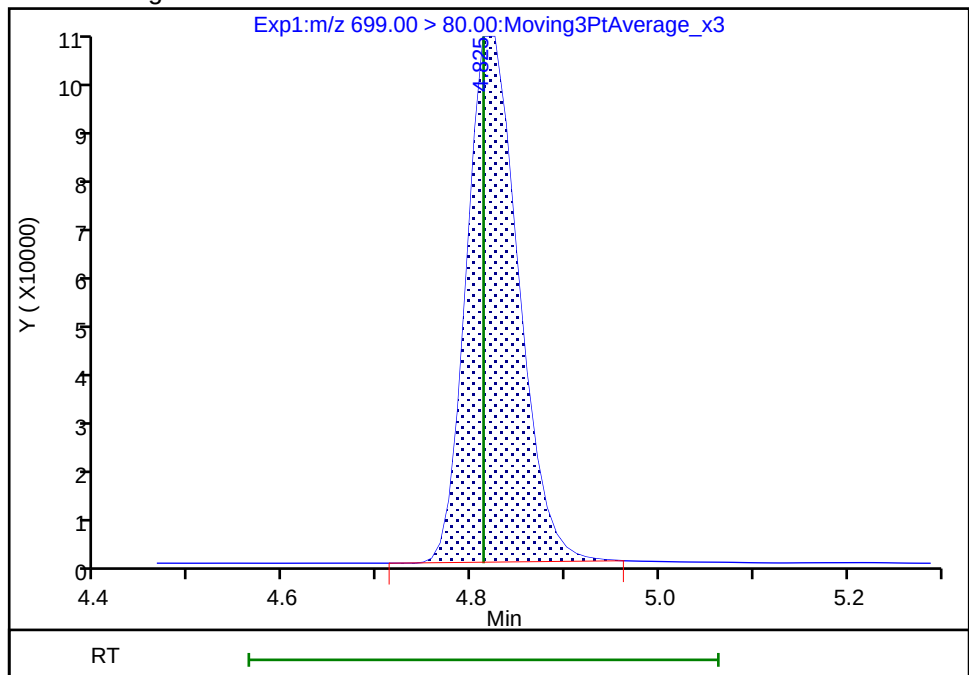
RT: 4.82
Area: 399815
Amount: 2.212612
Amount Units: ng/ml

Processing Integration Results



RT: 4.82
Area: 396436
Amount: 2.220415
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:00:09
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

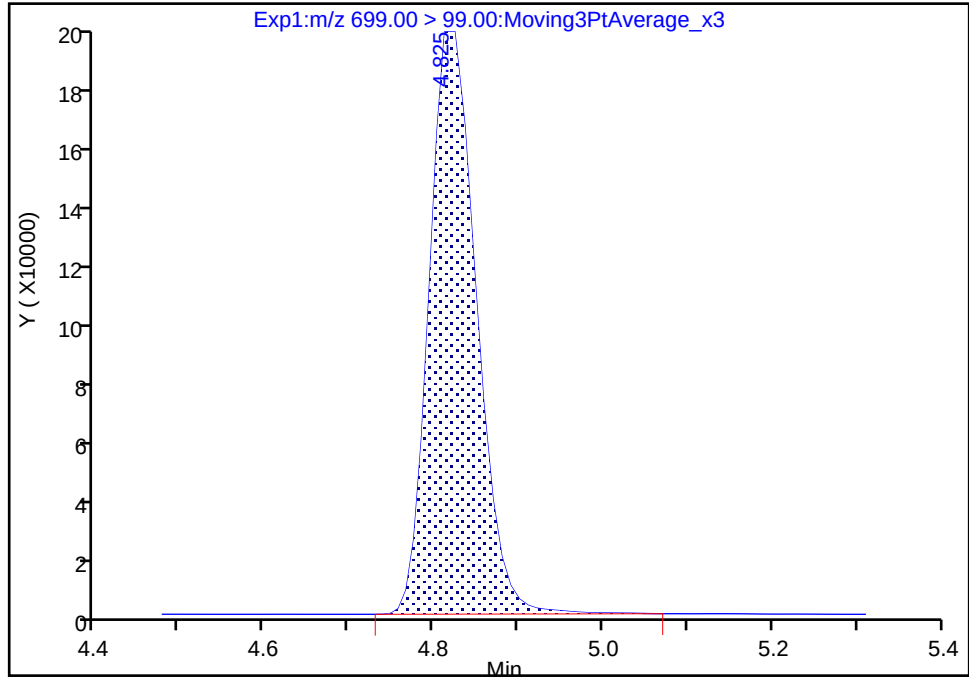
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 2

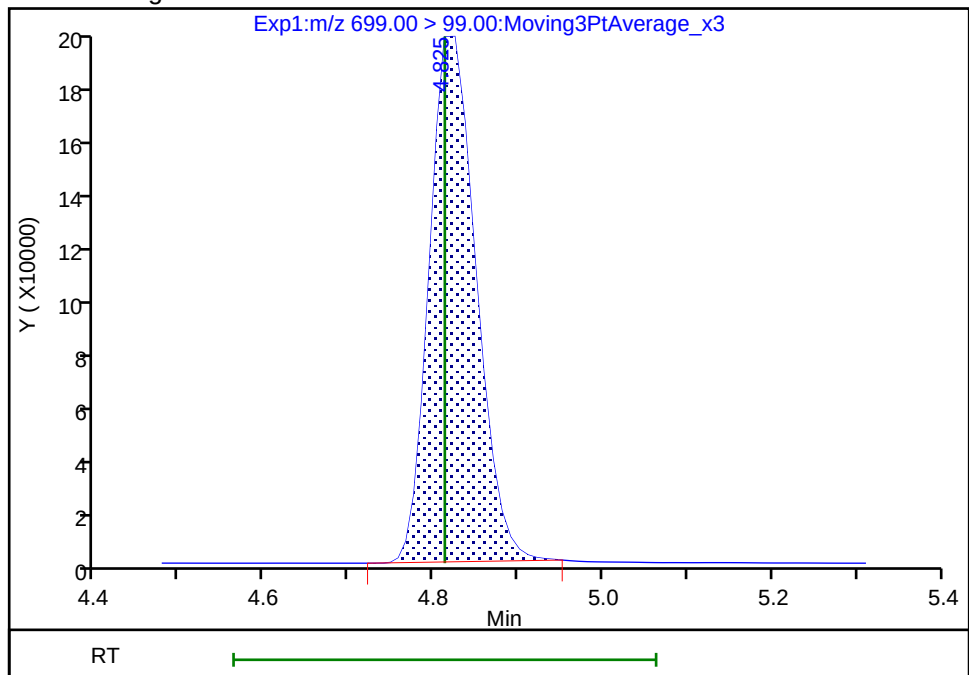
RT: 4.82
Area: 743373
Amount: 2.212612
Amount Units: ng/ml

Processing Integration Results



RT: 4.82
Area: 734014
Amount: 2.220415
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:00:12

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

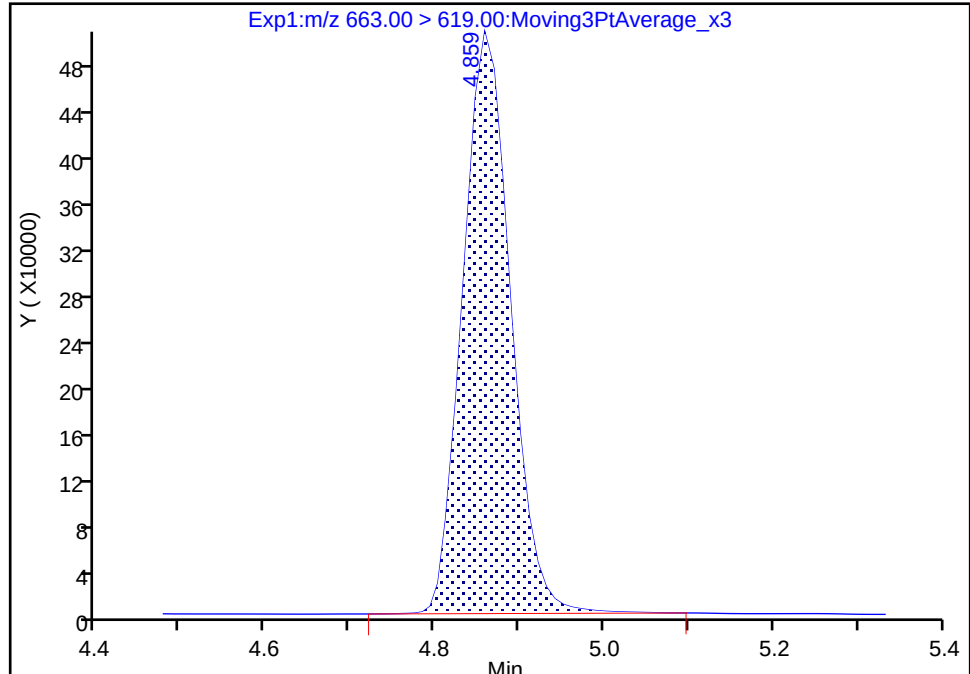
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

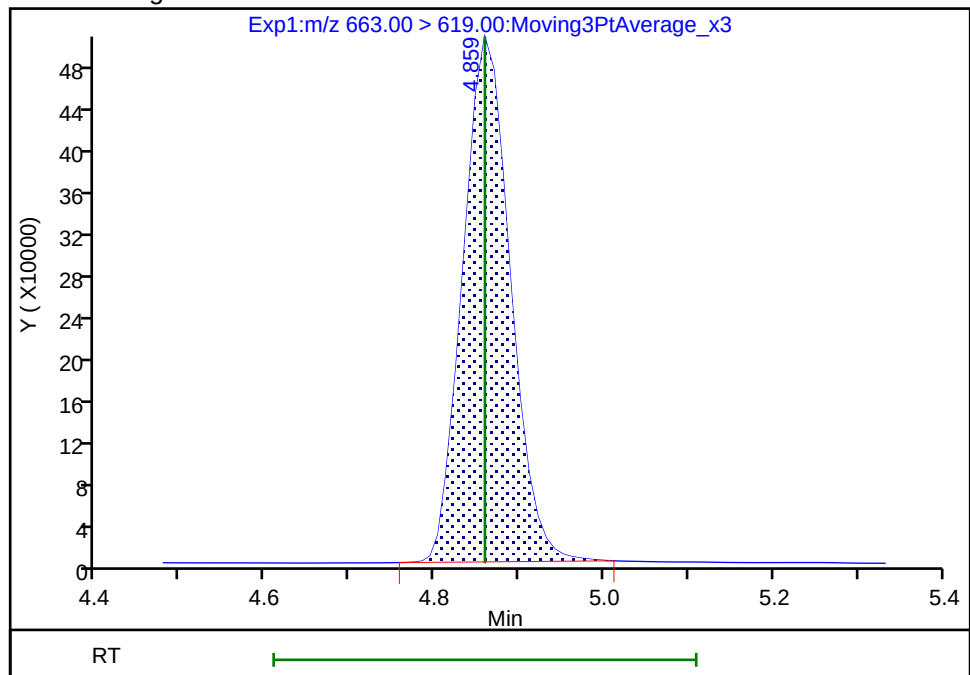
RT: 4.86
Area: 1976868
Amount: 2.334866
Amount Units: ng/ml

Processing Integration Results



RT: 4.86
Area: 1962703
Amount: 2.334014
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:00:19
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

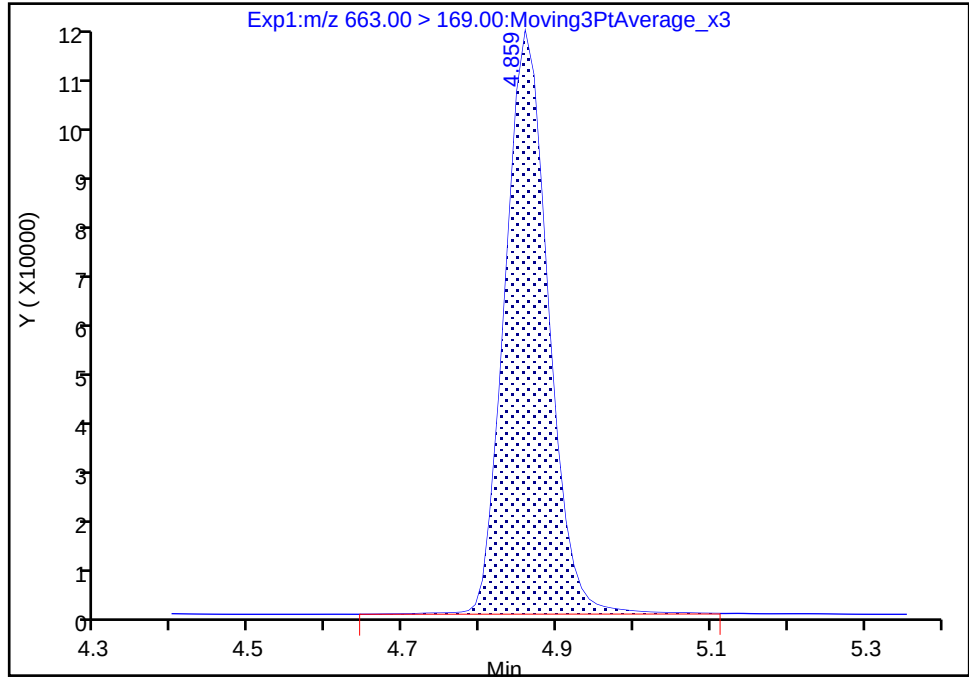
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

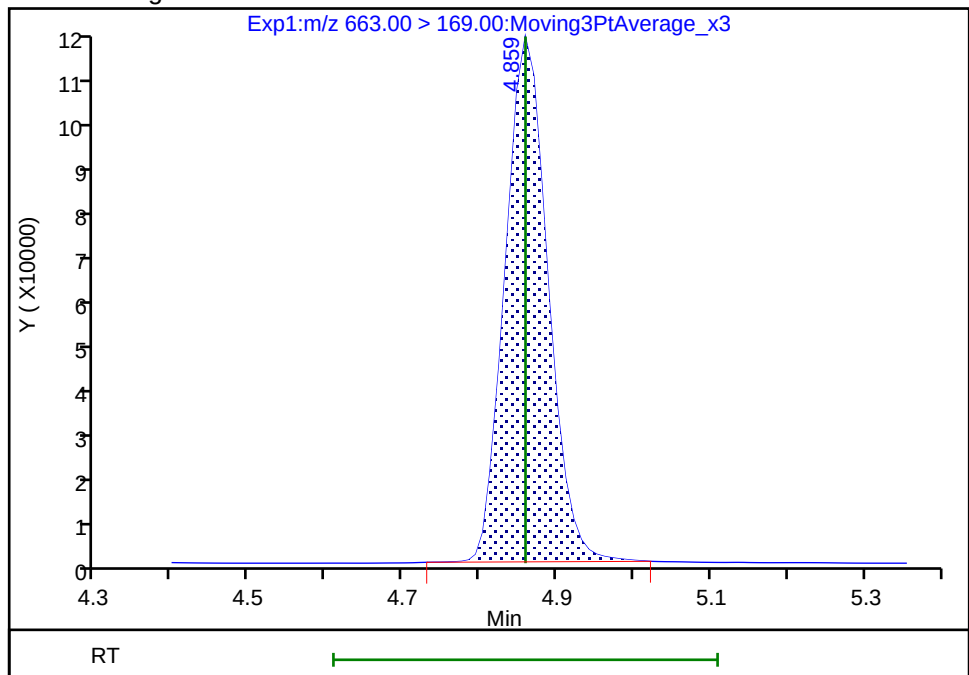
RT: 4.86
Area: 438867
Amount: 2.334866
Amount Units: ng/ml

Processing Integration Results



RT: 4.86
Area: 432883
Amount: 2.334014
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:00:23

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

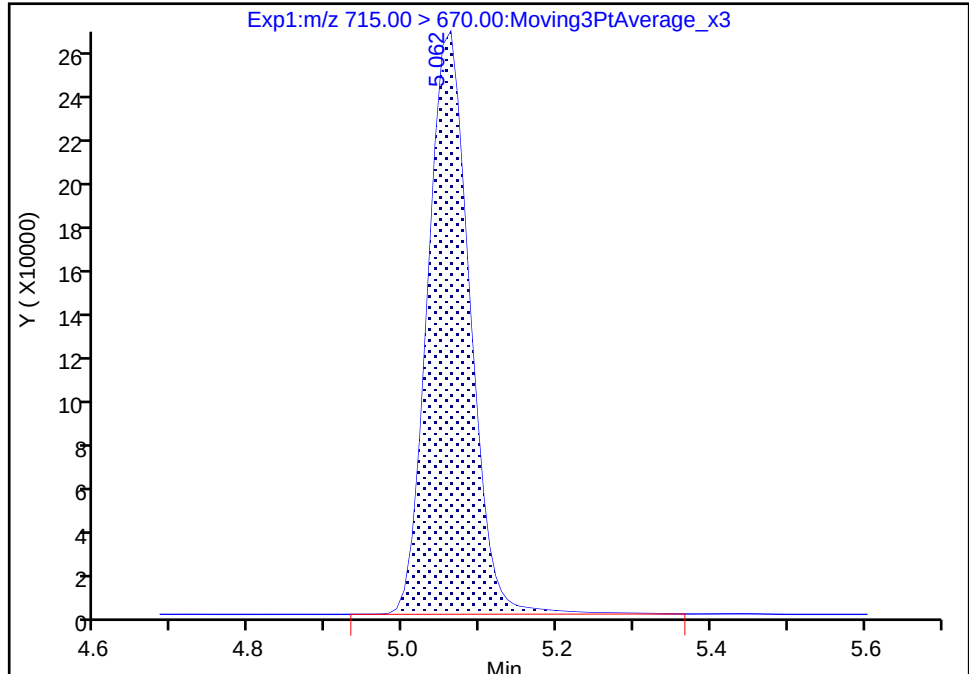
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

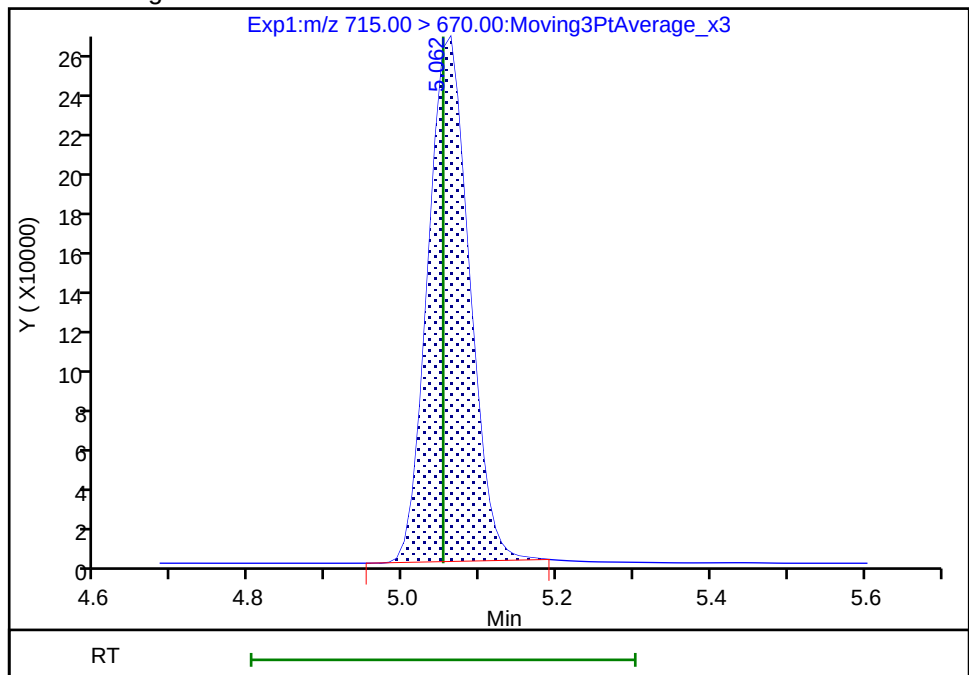
RT: 5.06
Area: 998442
Amount: 1.220089
Amount Units: ng/ml

Processing Integration Results



RT: 5.06
Area: 979883
Amount: 1.231701
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:00:30
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

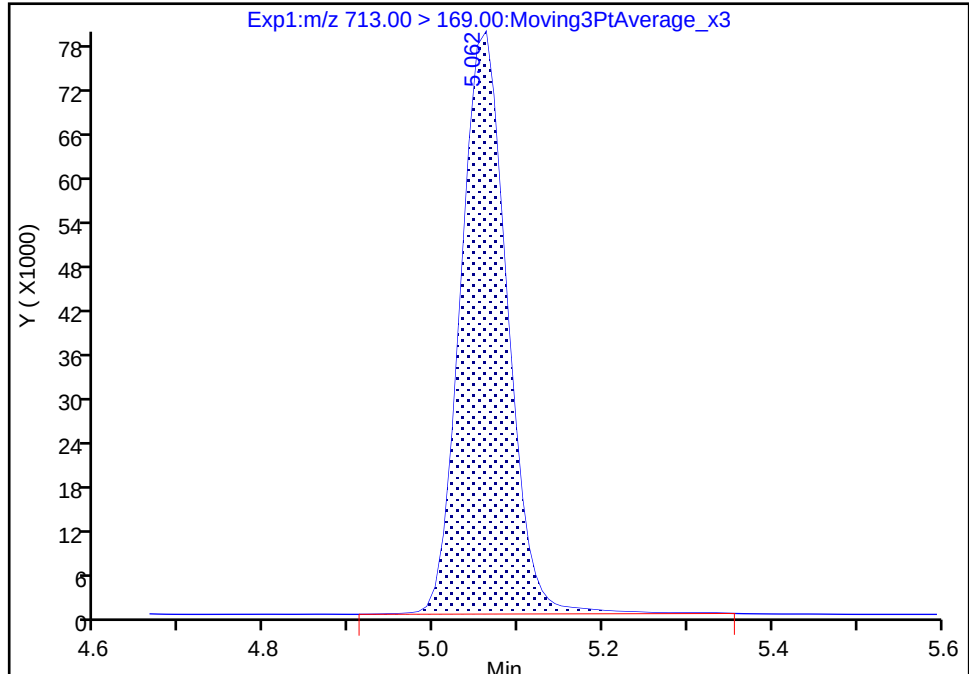
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

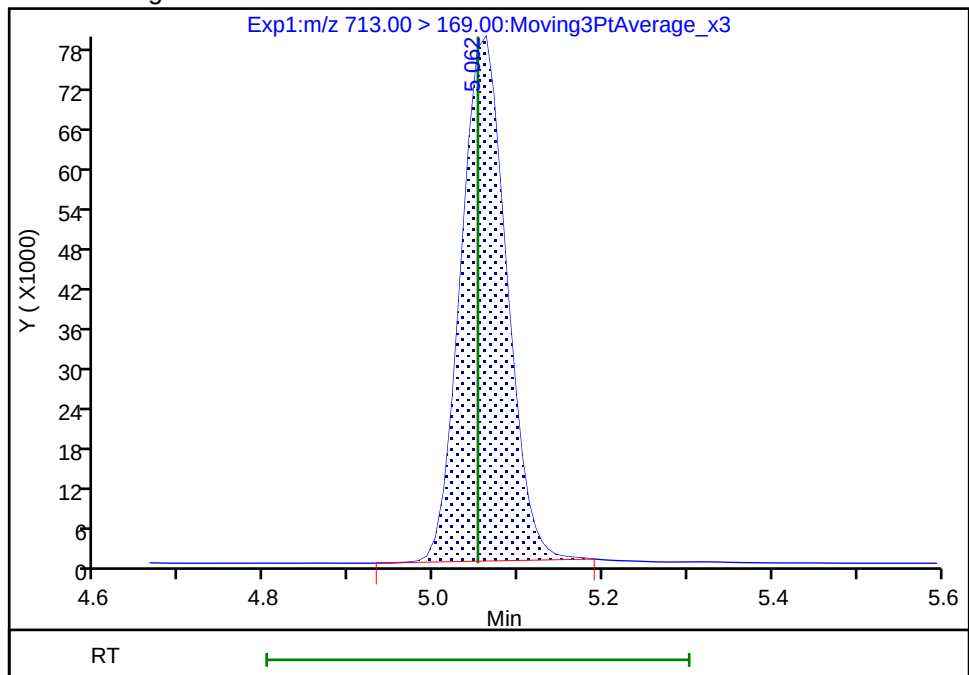
RT: 5.06
Area: 303758
Amount: 2.409911
Amount Units: ng/ml

Processing Integration Results



RT: 5.06
Area: 297564
Amount: 2.369318
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:00:34
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

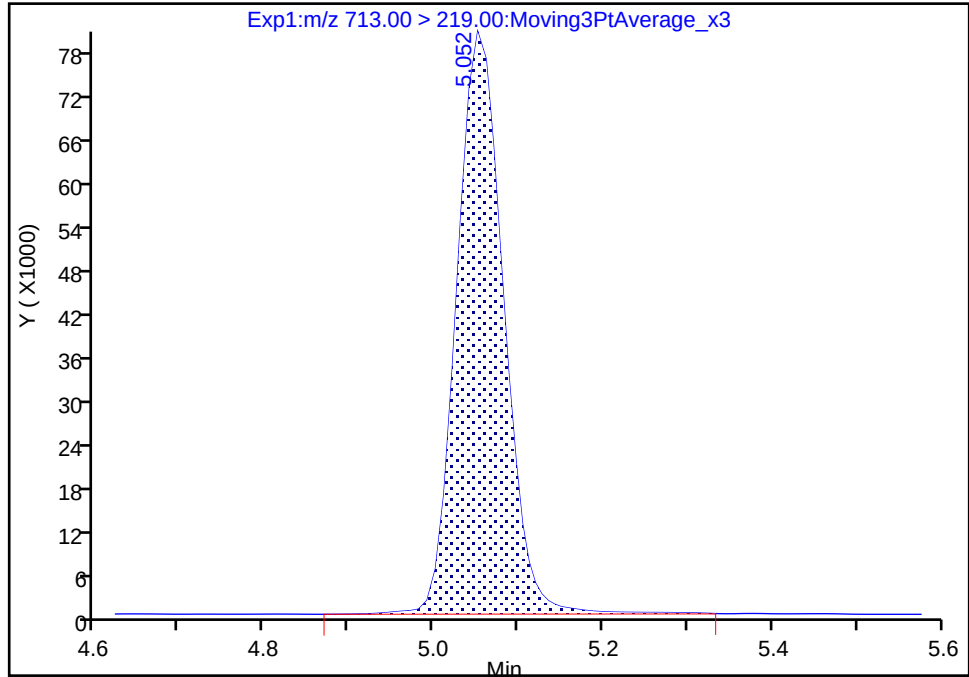
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

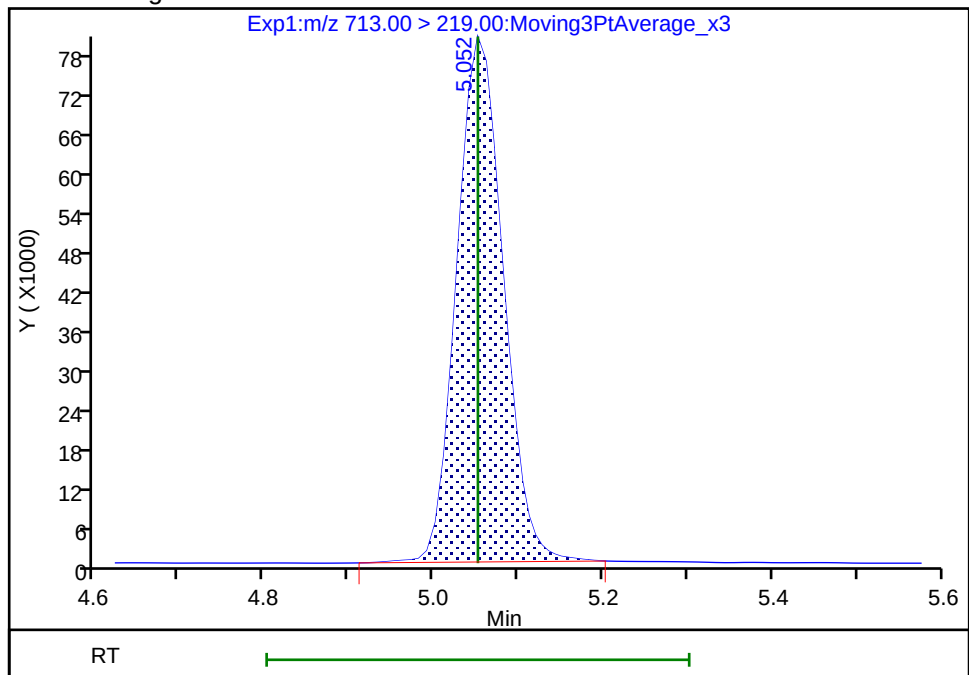
RT: 5.05
Area: 308951
Amount: 2.409911
Amount Units: ng/ml

Processing Integration Results



RT: 5.05
Area: 304623
Amount: 2.369318
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:00:37

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

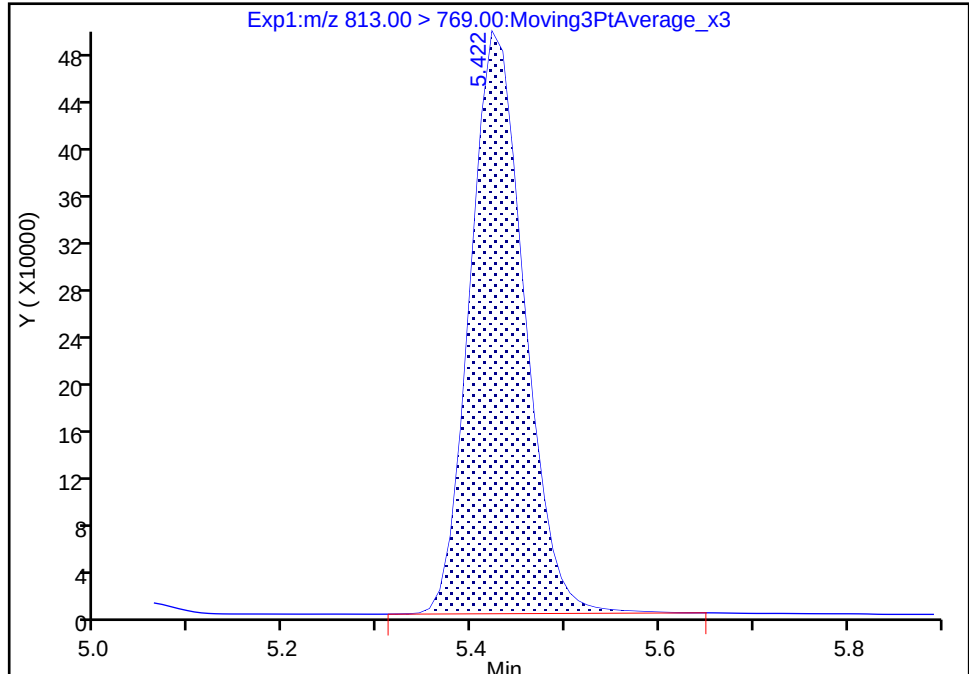
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 1

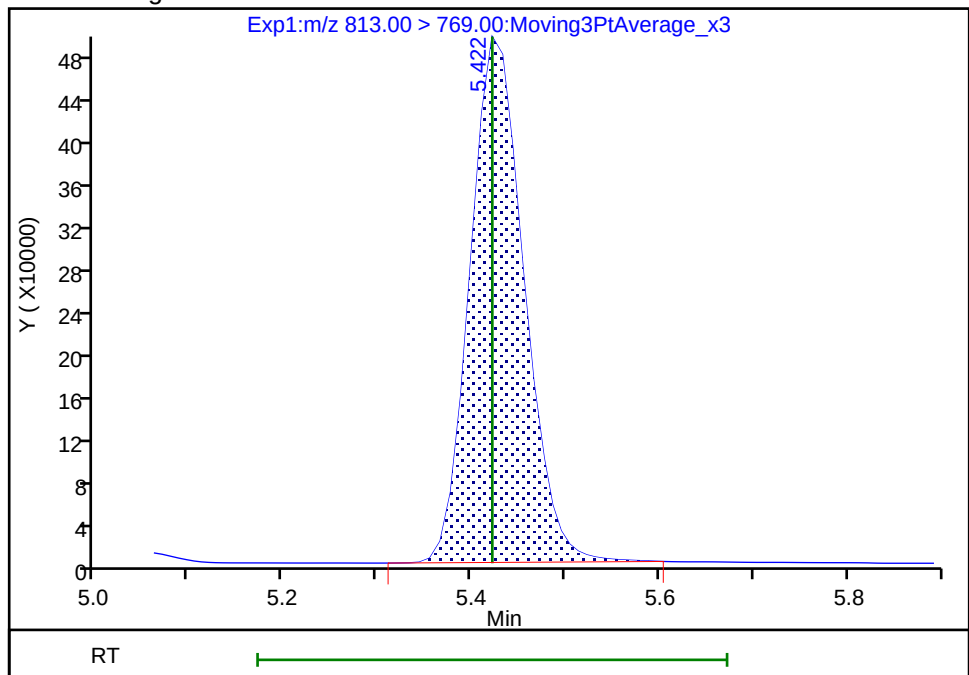
RT: 5.42
Area: 1995676
Amount: 2.489919
Amount Units: ng/ml

Processing Integration Results



RT: 5.42
Area: 1990402
Amount: 2.456727
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:00:43
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

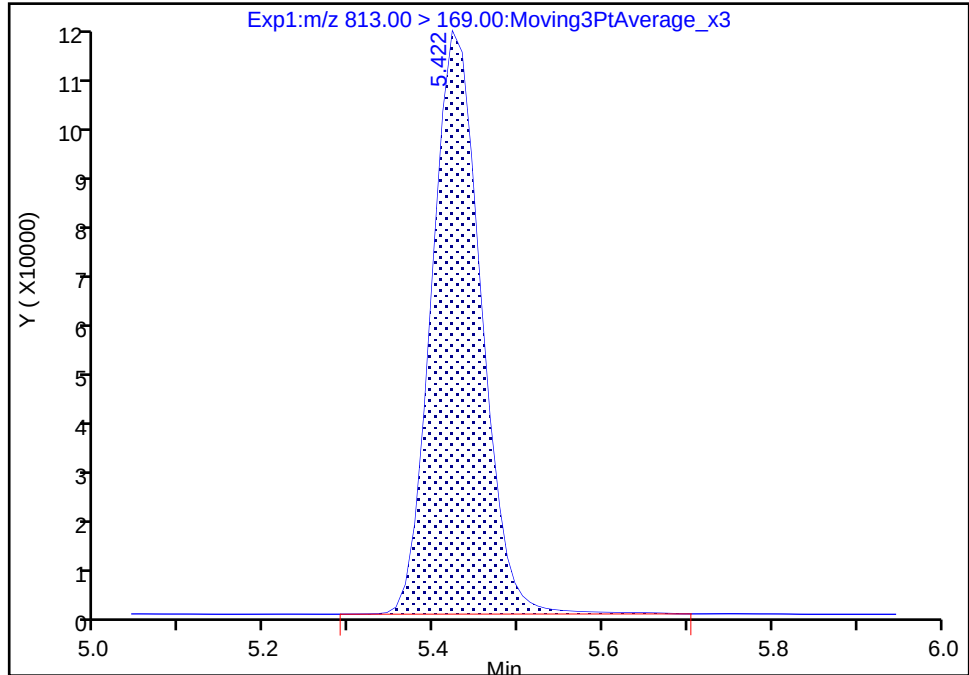
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 2

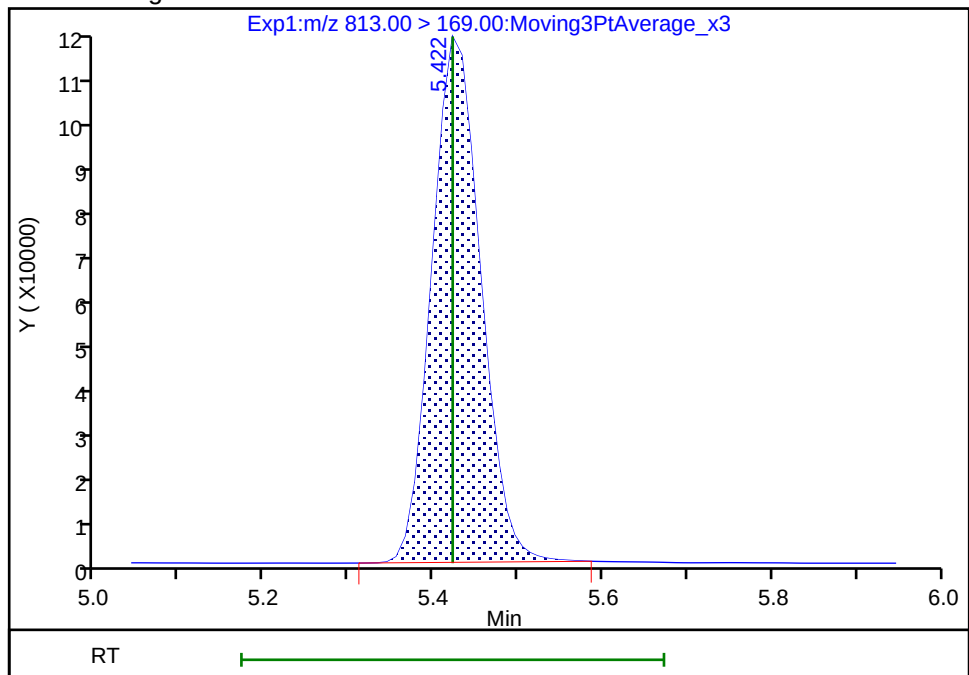
RT: 5.42
Area: 462920
Amount: 2.489919
Amount Units: ng/ml

Processing Integration Results



RT: 5.42
Area: 458670
Amount: 2.456727
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:00:46

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

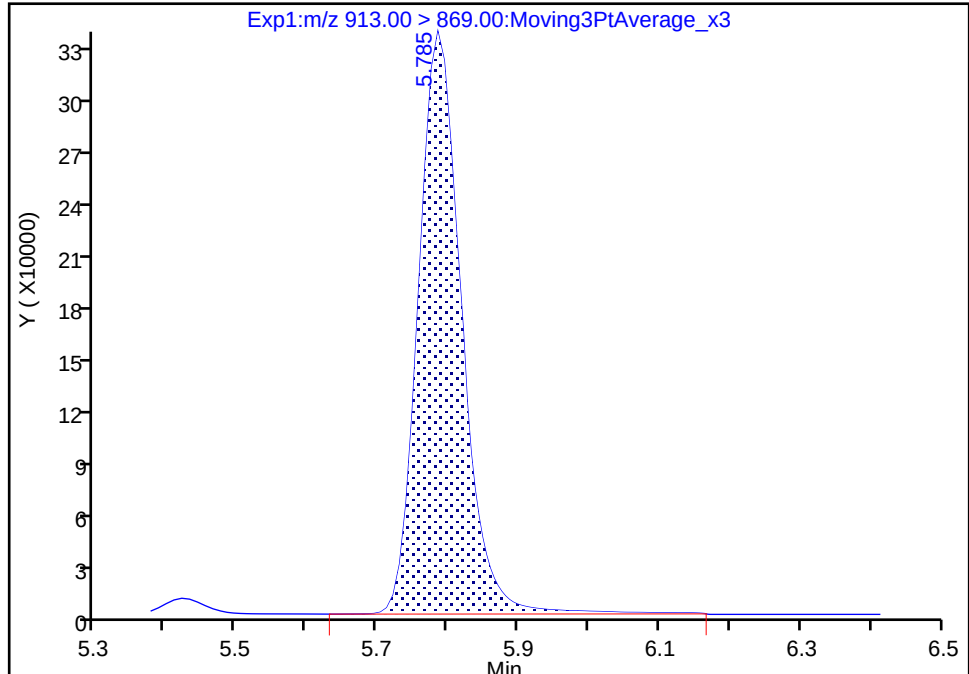
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

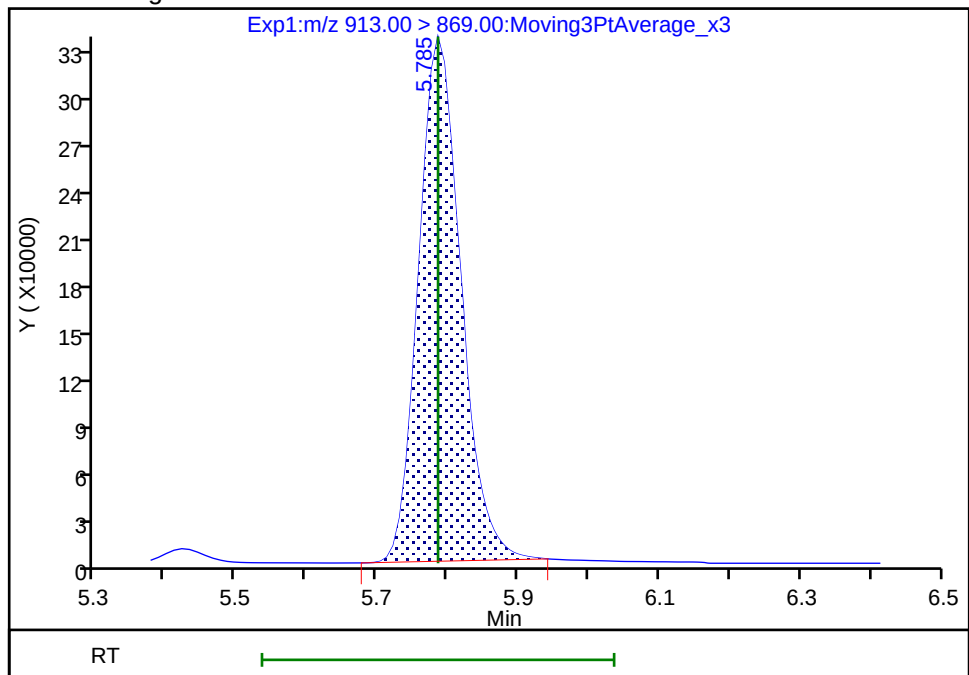
RT: 5.79
Area: 1431994
Amount: 2.347705
Amount Units: ng/ml

Processing Integration Results



RT: 5.79
Area: 1396187
Amount: 2.336629
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:00:54
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

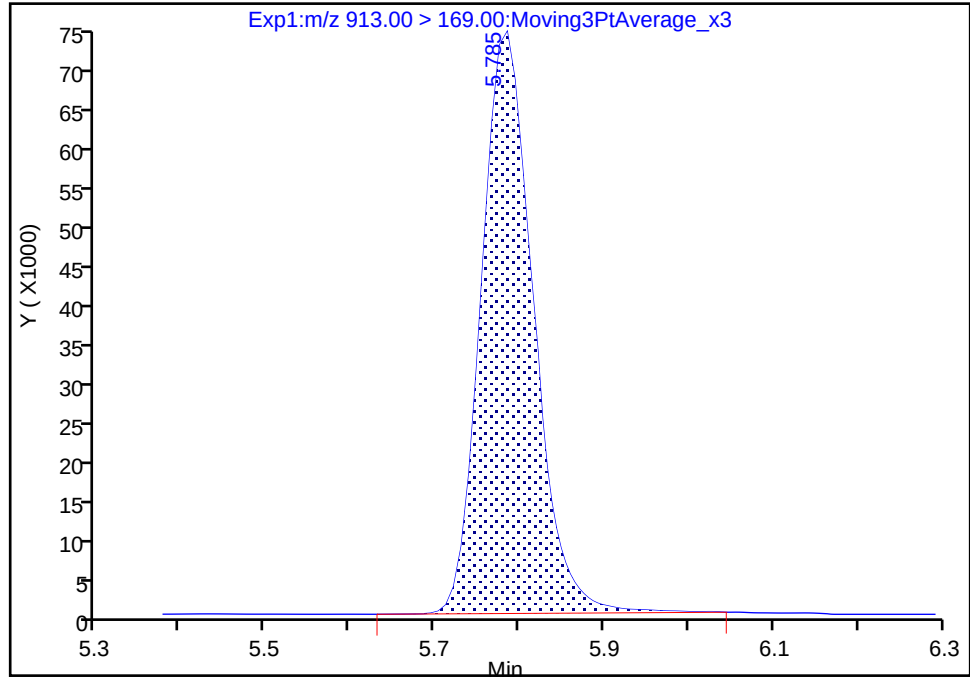
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

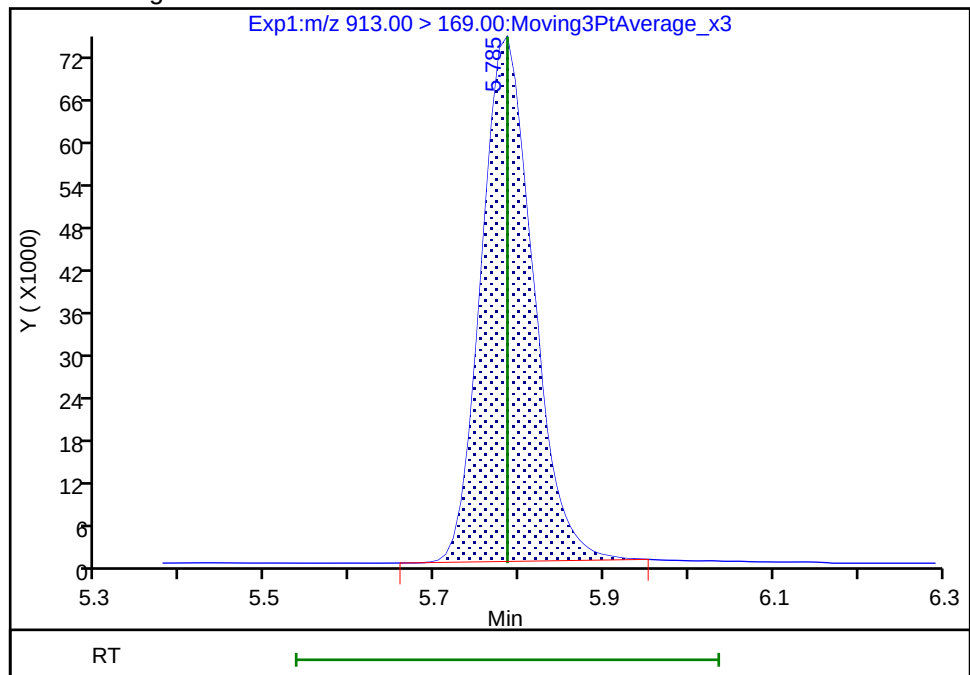
RT: 5.79
Area: 319284
Amount: 2.347705
Amount Units: ng/ml

Processing Integration Results



RT: 5.79
Area: 315550
Amount: 2.336629
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:00:57

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 03-Aug-2022 13:41:11 ALS Bottle#: 7 Worklist Smp#: 10
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: IC
 Misc. Info.: 200-0051940-010 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Sublist: chrom-PFC_LC812*sub3
 Method: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 03-Aug-2022 15:08:59 Calib Date: 03-Aug-2022 13:41:11
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1672

First Level Reviewer: Z1IP

Date: 03-Aug-2022 15:08:59

Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										M
217.00 > 172.00	2.085	2.085	0.0	0.599	1806199	1.27		101	7682	M
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.085	2.085	0.0	1.000	13183310	9.41		94.1	1717	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.400	2.400	0.0	0.689	1356802	1.24		98.9	3240	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.400	2.400	0.0	1.000	10770827	9.63		96.3	394	M
D 47 13C3 PFBS										M
301.90 > 80.00	2.413	2.413	0.0	0.693	1451388	1.14		98.4	151225	M
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.413	2.413	0.0	1.000	11911747	8.64	Target=2.23	97.8	2980	M
298.90 > 99.00	2.413	2.413	0.0	1.000	5675052		2.10(1.11-3.34)	97.8	1902	M
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.713	2.713	0.0	0.779	128662	1.18		101	136	M
61 1H,1H,2H,2H-perfluorohexanesulfo										M
327.00 > 307.00	2.713	2.713	0.0	1.000	2363764	9.02		96.6	1377	M
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.749	2.750	-0.001	1.000	10982567	9.66	Target=12.24	96.6	1262	M
313.00 > 119.00	2.749	2.750	-0.001	1.000	864666		12.70(6.12-18.36)	96.6	1019	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.749	2.750	-0.001	0.790	1361444	1.24		99.4	2541	
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.762	2.762	0.0	0.885	11015177	9.12	Target=2.95	97.3	1876	M
349.00 > 99.00	2.762	2.762	0.0	0.885	3620783		3.04(1.48-4.43)	97.3	1698	M
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.859	2.859	0.0	0.821	271626	1.32		105	2268	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
67 Perfluoro(2-propoxypropanoic) ac										M
285.00 > 169.00	2.859	2.859	0.0	1.000	2193377	9.39		93.9	1947	M
D 9 13C4 PFHpA										M
367.00 > 322.00	3.121	3.121	0.0	0.896	1400879	1.23		98.6	2331	M
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.121	3.121	0.0	1.000	11197138	9.69	Target=3.73	96.9	1523	M
363.00 > 169.00	3.121	3.121	0.0	1.000	2929777		3.82(1.86-5.59)	96.9	1499	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.121	3.121	0.0	0.896	1101269	1.23		104	1707	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.121	3.121	0.0	1.000	8919353	8.68	Target=3.43	95.4	1367	M
399.00 > 99.00	3.121	3.121	0.0	1.000	2507240		3.56(1.72-5.15)	95.4	1447	M
77 DONA										M
377.00 > 251.00	3.165	3.165	0.0	0.833	24439985	8.64	Target=2.84	91.7	2506	M
377.00 > 85.00	3.165	3.165	0.0	0.833	9289763		2.63(1.42-4.26)	91.7	2444	M
D 12 M2-6:2 FTS										M
429.00 > 81.00	3.474	3.474	0.0	0.997	177168	1.19		99.8	352	M
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.474	3.474	0.0	1.000	2069626	9.50		100	443	M
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.474	3.474	0.0	0.914	7802287	9.19	Target=4.89	96.5	1959	M
449.00 > 99.00	3.474	3.474	0.0	0.914	1537874		5.07(2.44-7.33)	96.5	1928	M
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.482	3.482	0.0	1.000	12341745	9.27	Target=2.67	92.7	957	M
413.00 > 169.00	3.482	3.482	0.0	1.000	4602327		2.68(1.34-4.01)	92.7	1596	M
D 14 13C4 PFOA										M
417.00 > 372.00	3.482	3.482	0.0	1.000	1483901	1.27		102	1496	M
* 62 13C2 PFOA										M
415.00 > 370.00	3.482	3.482	0.0		1527618	1.25			1548	M
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.802	3.802	0.0	1.000	6393833	9.33	Target=4.88	101	1465	M
499.00 > 99.00	3.802	3.802	0.0	1.000	1390243		4.60(2.44-7.32)	101	2111	M
D 18 13C4 PFOS										M
503.00 > 80.00	3.802	3.802	0.0	1.092	821046	1.23		103	806	M
20 Perfluorononanoic acid										M
463.00 > 419.00	3.822	3.822	0.0	1.000	11406519	9.42	Target=8.23	94.2	1661	M
463.00 > 169.00	3.822	3.822	0.0	1.000	1469986		7.76(4.11-12.34)	94.2	2123	M
D 19 13C5 PFNA										
468.00 > 423.00	3.822	3.822	0.0	1.098	1487561	1.23		98.5	3290	
69 9-Chlorohexadecafluoro-3-oxanona										M
531.00 > 351.00	3.969	3.969	0.0	1.044	10822143	8.92		95.7	2759	M
68 Perfluorononanesulfonic acid										M
549.00 > 80.00	4.092	4.093	-0.001	1.076	4925638	9.16	Target=2.53	95.4	1555	M
549.00 > 99.00	4.092	4.093	-0.001	1.076	2007966		2.45(1.26-3.79)	95.4	2310	M
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.138	4.127	0.011	1.000	1625337	9.09		94.9	2291	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.127	4.127	0.0	1.000	11511562	9.25	Target=9.67	92.5	1798	M
513.00 > 169.00	4.127	4.127	0.0	1.000	1252336		9.19(4.83-14.50)	92.5	1569	M
D 23 13C2 PFDA										M
515.00 > 470.00	4.127	4.127	0.0	1.185	1479189	1.26		101	1443	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.138	4.138	0.0	1.188	221709	1.23		103	911	
D 21 13C8 FOSA										M
506.00 > 78.00	4.173	4.173	-0.001	1.198	1290314	1.25		100	1960	M
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.184	4.173	0.011	1.003	10178171	9.68		96.8	1889	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.273	4.273	0.0	1.000	1461120	9.87		98.7	708	M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.273	4.273	0.0	1.227	208390	1.32		106	156	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.364	4.365	-0.001	1.148	3753346	9.38	Target=2.80	97.3	1755	M
599.00 > 99.00	4.364	4.365	-0.001	1.148	1439627		2.61(1.40-4.20)	97.3	1798	M
D 30 13C2 PFUnA										M
565.00 > 520.00	4.398	4.399	-0.001	1.263	1097436	1.23		98.5	1426	M
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.398	4.399	-0.001	1.000	8843669	9.51	Target=9.07	95.1	2177	M
563.00 > 169.00	4.398	4.399	-0.001	1.000	1029859		8.59(4.54-13.61)	95.1	1713	M
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.410	4.410	0.0	1.000	1315871	9.87		98.7	1122	M
D 32 d5-NEtFOSAA										M
589.00 > 419.00	4.410	4.410	0.0	1.266	183559	1.23		98.4	772	M
66 11-Chloroeicosafuoro-3-oxaundec										M
631.00 > 451.00	4.504	4.491	0.013	1.185	13952793	8.83		93.8	1796	M
D 36 13C2 PFDaA										
615.00 > 570.00	4.633	4.633	0.0	1.330	1209177	1.31		105	3083	
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.633	4.633	0.0	1.000	9235605	9.41	Target=6.97	94.1	944	M
613.00 > 169.00	4.633	4.633	0.0	1.000	1408846		6.56(3.48-10.45)	94.1	2147	M
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.654	4.654	0.0	1.125	745570	8.93		92.6	1125	M
75 Perfluorododecanesulfonic acid (										M
699.00 > 80.00	4.812	4.813	-0.001	1.266	1630442	9.17	Target=0.52	94.8	1791	M
699.00 > 99.00	4.812	4.813	-0.001	1.266	3129781		0.52(0.26-0.79)	94.8	2015	M
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.859	4.859	0.0	1.049	7584486	8.92	Target=4.56	89.2	786	M
663.00 > 169.00	4.859	4.859	0.0	1.049	1722893		4.40(2.28-6.84)	89.2	1600	M
D 43 13C2 PFTeDA										M
715.00 > 670.00	5.062	5.052	0.010	1.454	949490	1.26		101	2056	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.062	5.052	0.010	1.000	1163895	9.56	Target=0.94	95.6	1501	M
713.00 > 219.00	5.052	5.052	0.0	0.998	1252704		0.93(0.47-1.41)	95.6	1611	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
45 Perfluorohexadecanoic acid										M
813.00 > 769.00	5.422	5.422	0.0	1.000	7724125	9.98	Target=4.38	99.8	1090	M
813.00 > 169.00	5.422	5.422	0.0	1.000	1801906		4.29(2.19-6.57)	99.8	2158	M
D 44 13C2 PFHxDA										M
815.00 > 770.00	5.422	5.422	0.0	1.557	1080090	1.26		100	2274	M
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.785	5.786	-0.001	1.067	5256805	9.15	Target=4.31	91.5	501	M
913.00 > 169.00	5.785	5.786	-0.001	1.067	1205334		4.36(2.16-6.47)	91.5	966	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PFAS32NCIC6_00012

Amount Added: 100.00

Units: uL

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d

Injection Date: 03-Aug-2022 13:41:11

Instrument ID: LC812

Lims ID: IC

Client ID:

Operator ID: lc812tech

ALS Bottle#: 7

Worklist Smp#: 10

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

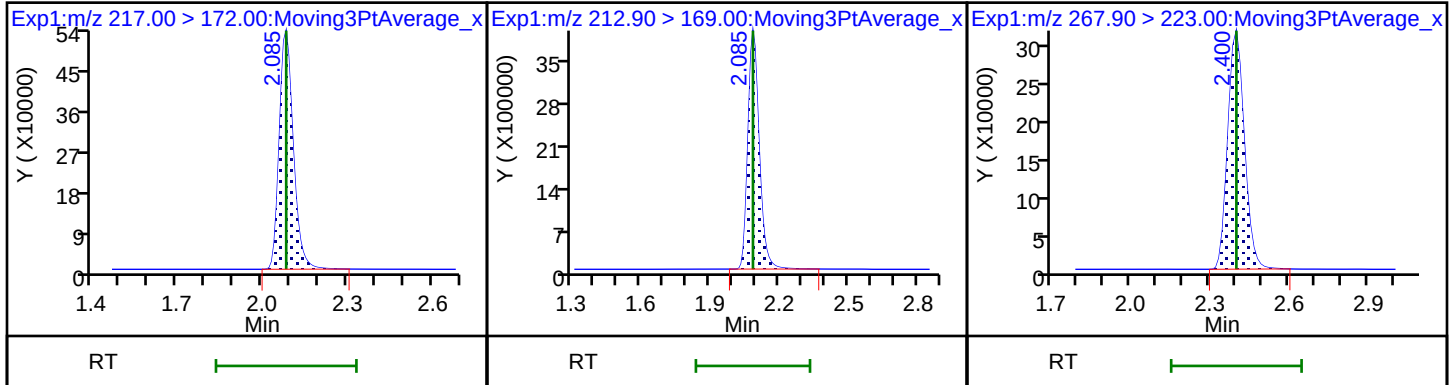
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA (M)

2 Perfluorobutanoic acid (M)

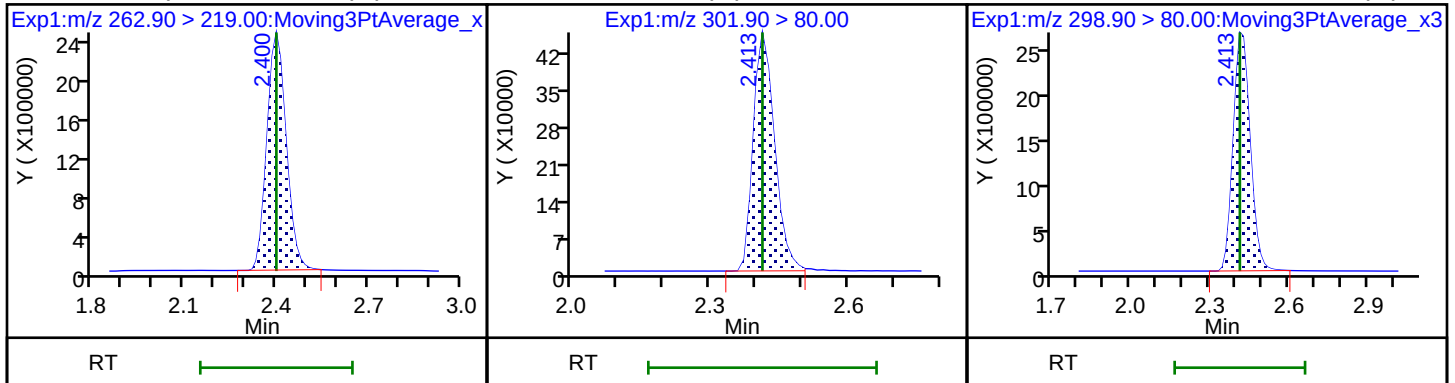
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

D 47 13C3 PFBS (M)

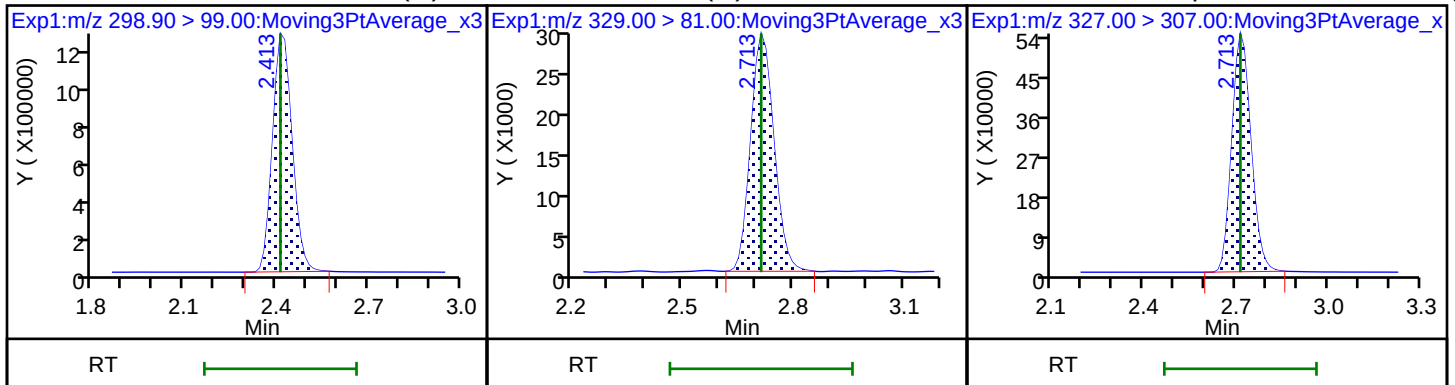
5 Perfluorobutanesulfonic acid (M)



5 Perfluorobutanesulfonic acid (M)

D 60 M2-4:2 FTS (M)

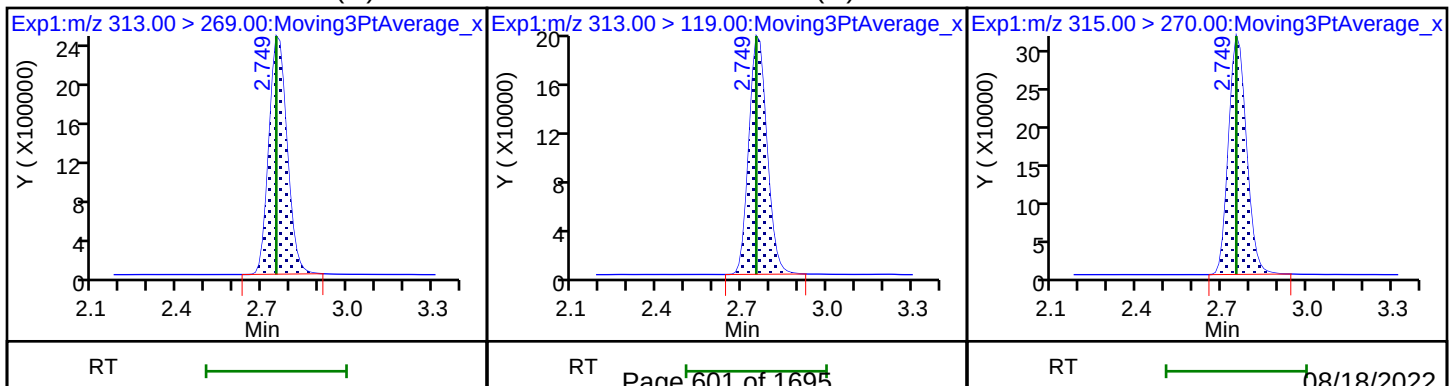
61 1H,1H,2H,2H-perfluorohexanesulfo (M)



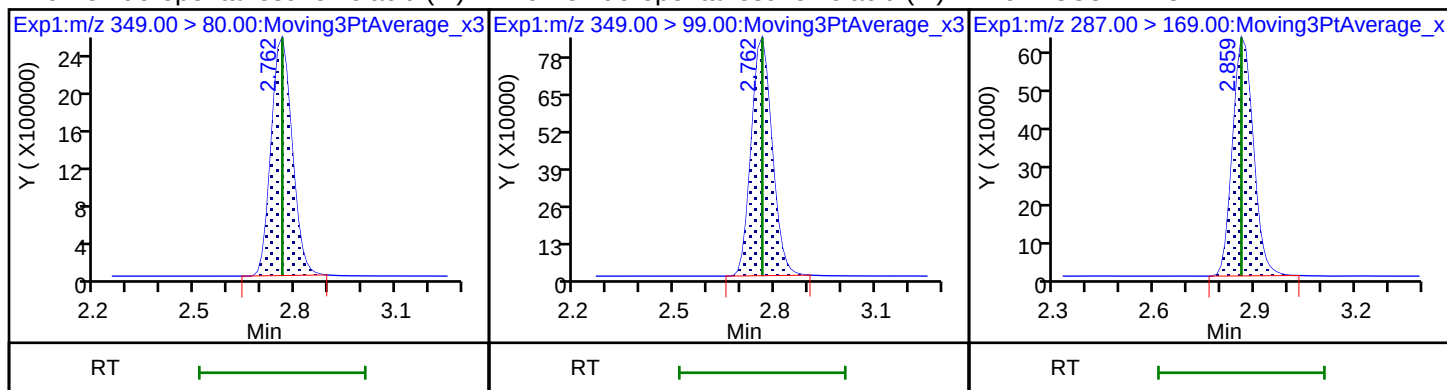
6 Perfluorohexanoic acid (M)

6 Perfluorohexanoic acid (M)

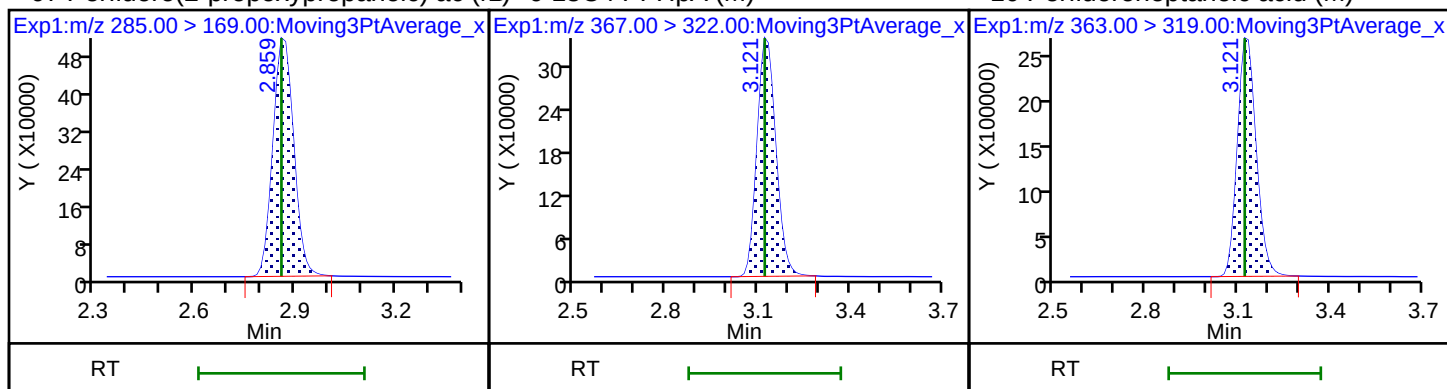
D 7 13C2 PFHxA



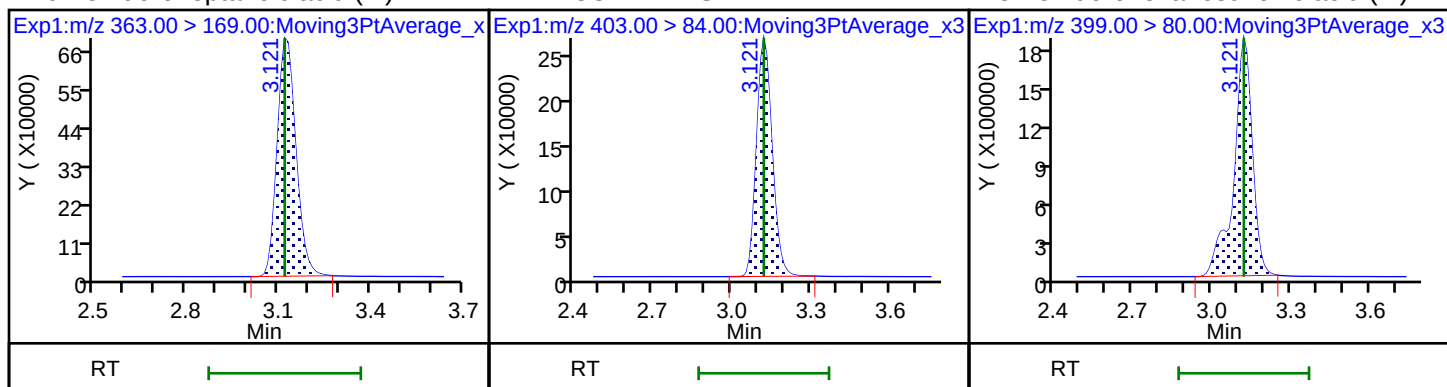
70 Perfluoropentanesulfonic acid (M) 70 Perfluoropentanesulfonic acid (M) D 64 13C3 HFPO-DA



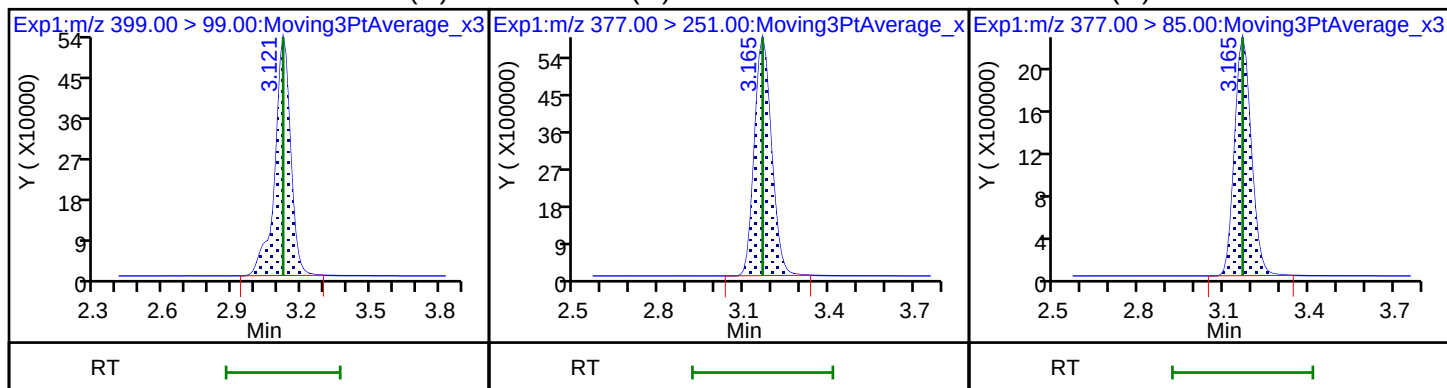
67 Perfluoro(2-propoxypropanoic) ac (M) 9 13C4 PFHpA (M) 10 Perfluoroheptanoic acid (M)



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



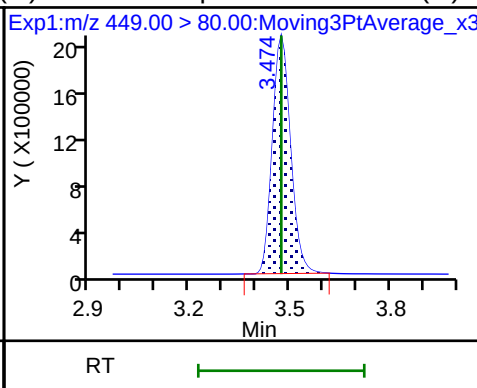
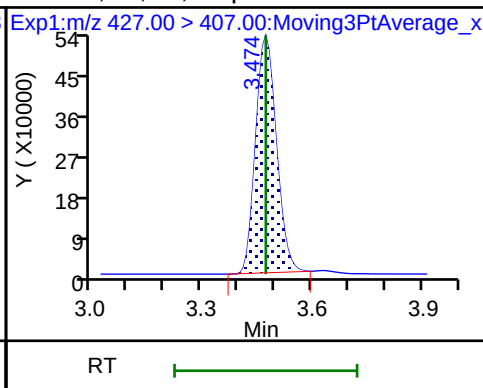
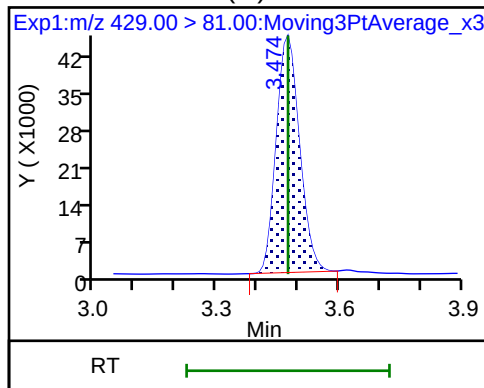
8 Perfluorohexanesulfonic acid (M) 77 DONA (M) 77 DONA (M)



D 12 M2-6:2 FTS (M)

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

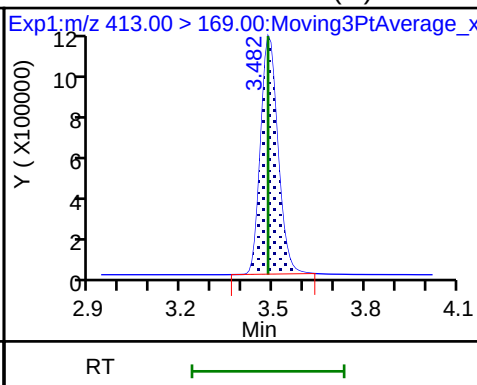
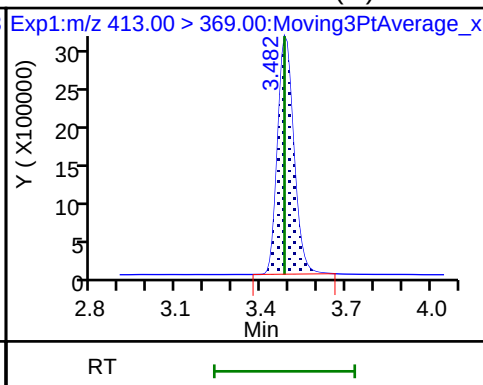
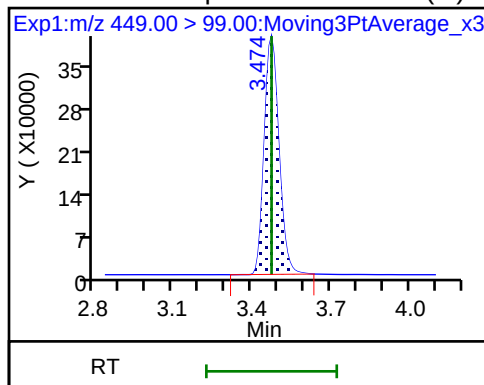
16 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M)

15 Perfluorooctanoic acid (M)

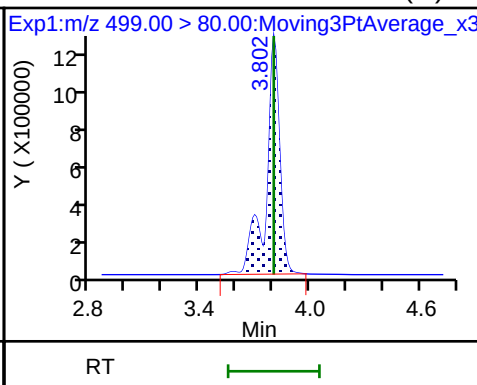
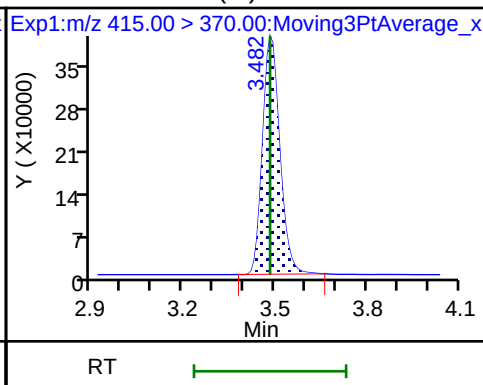
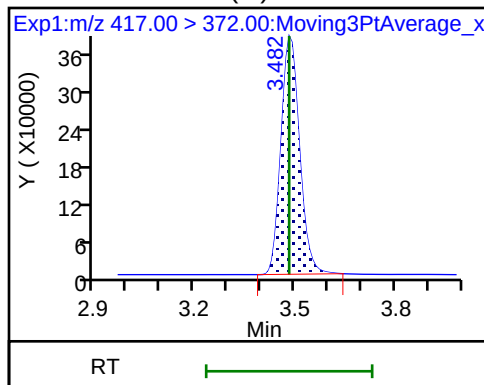
15 Perfluorooctanoic acid (M)



D 14 13C4 PFOA (M)

* 62 13C2 PFOA (M)

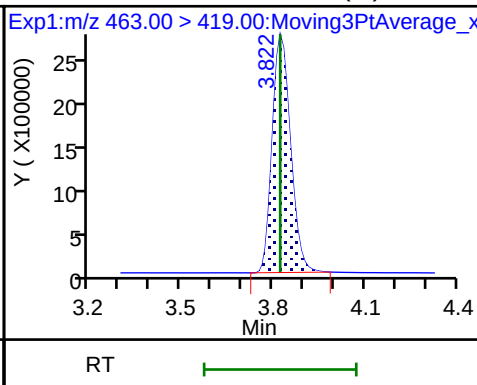
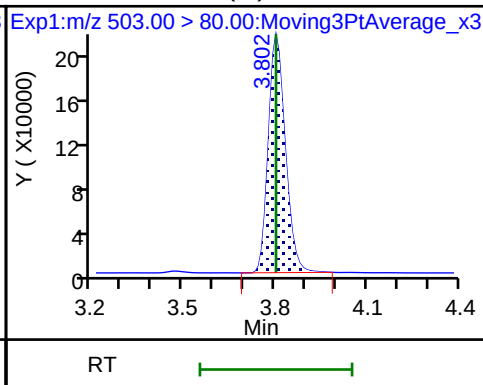
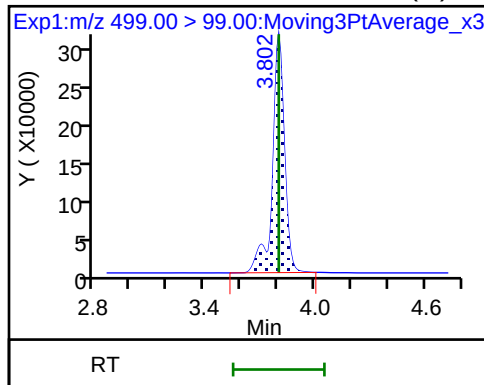
17 Perfluorooctanesulfonic acid (M)

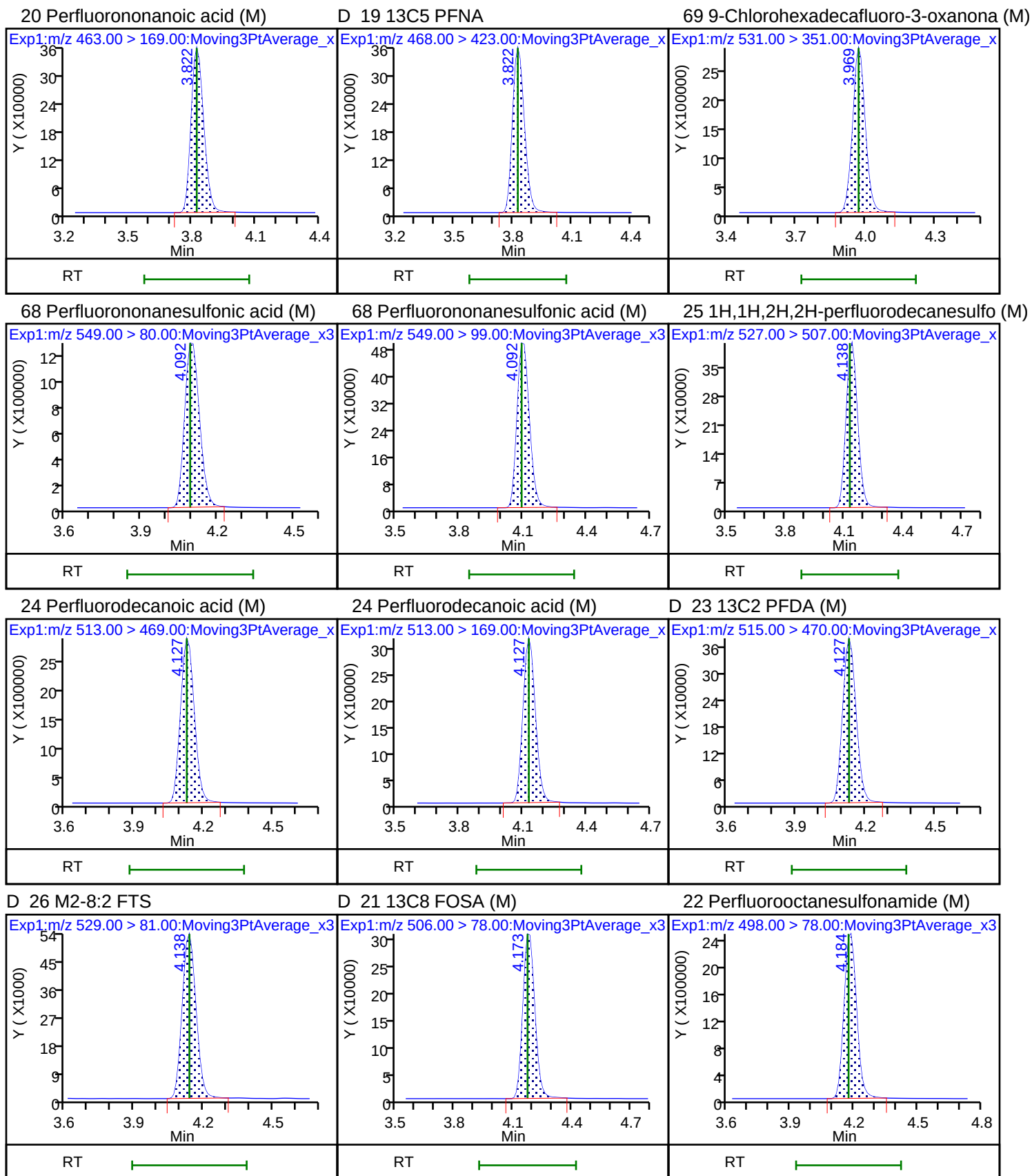


17 Perfluorooctanesulfonic acid (M)

D 18 13C4 PFOS (M)

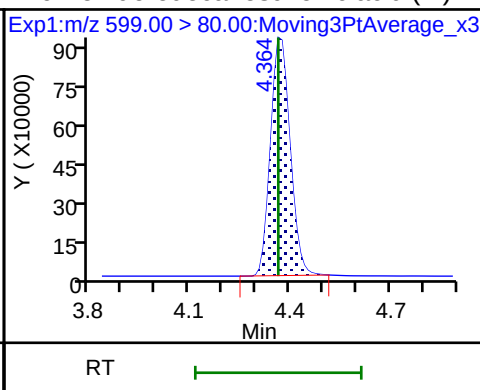
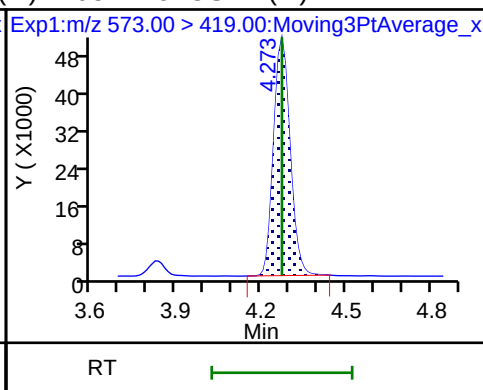
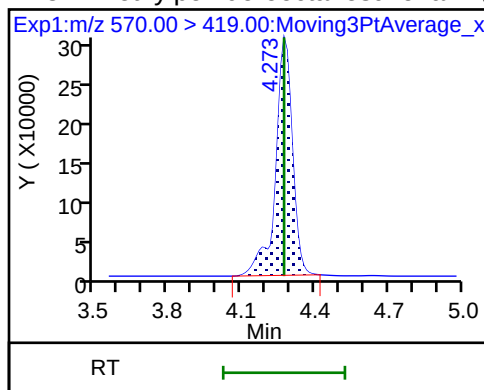
20 Perfluorononanoic acid (M)





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

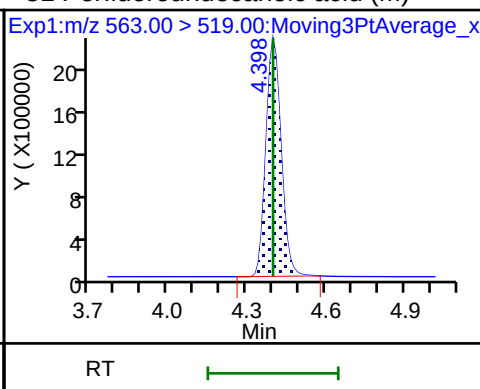
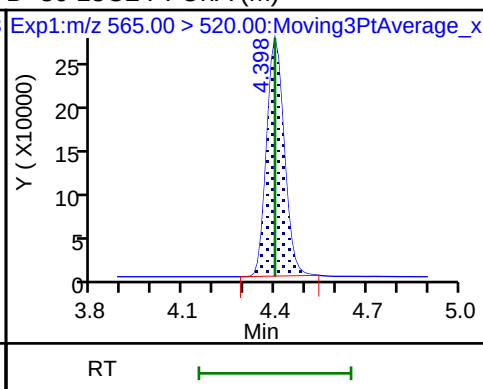
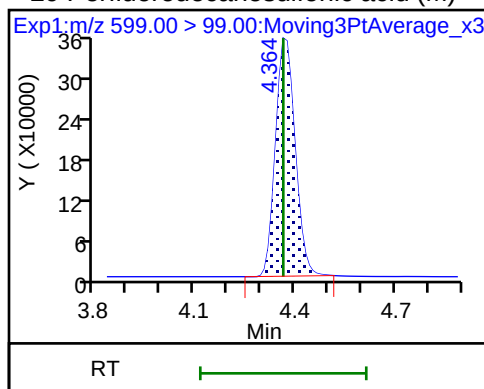
29 Perfluorodecanesulfonic acid (M)



29 Perfluorodecanesulfonic acid (M)

D 30 13C2 PFUnA (M)

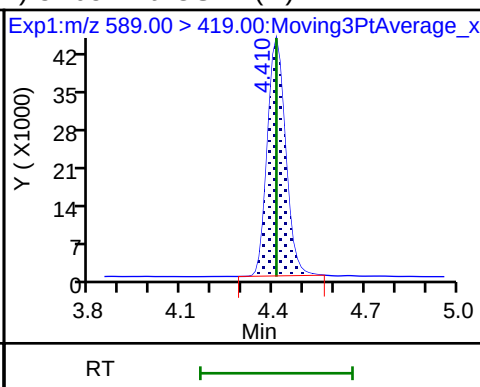
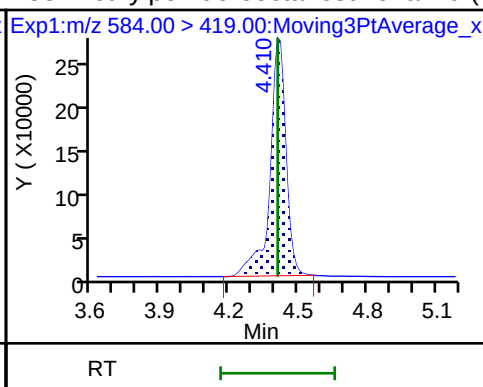
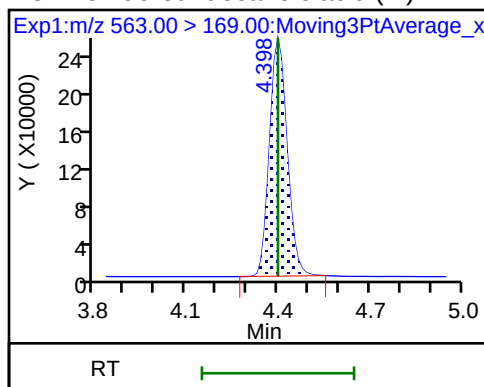
31 Perfluoroundecanoic acid (M)



31 Perfluoroundecanoic acid (M)

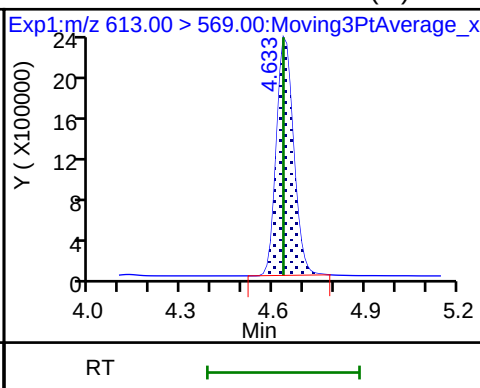
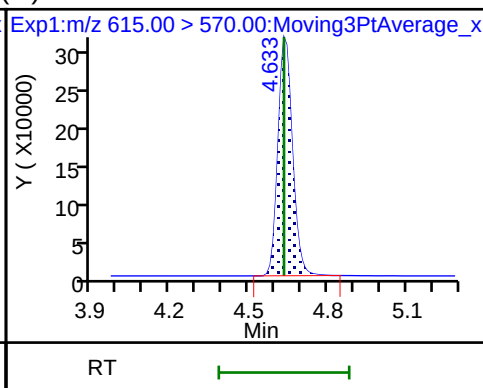
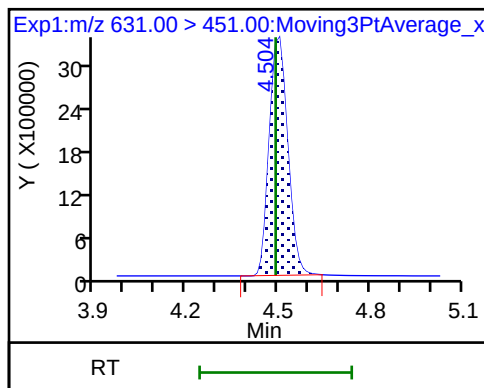
33 N-ethylperfluorooctanesulfonamid (M)

32 d5-NEtFOSAA (M)



66 11-Chloroeicosafluoro-3-oxaundec (M) 36 13C2 PFDaA

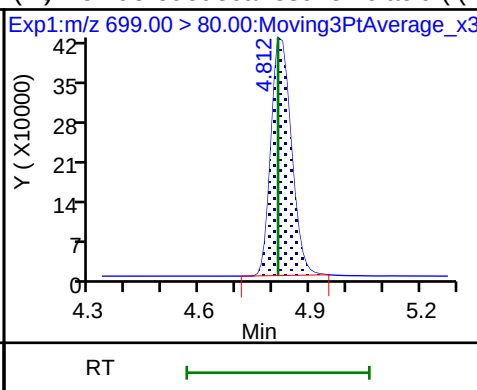
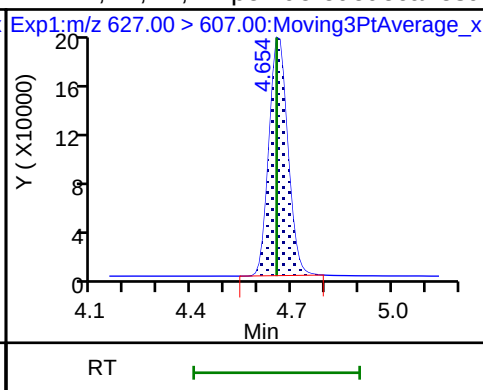
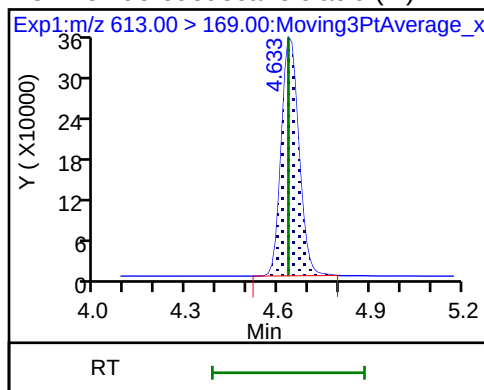
37 Perfluorododecanoic acid (M)



37 Perfluorododecanoic acid (M)

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

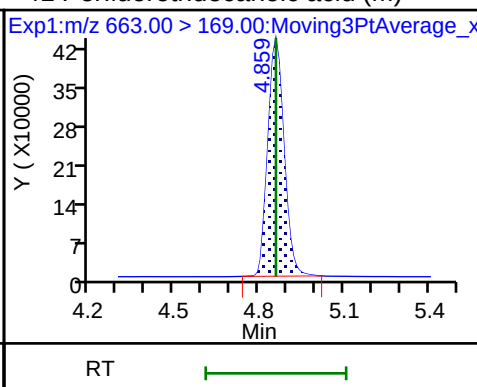
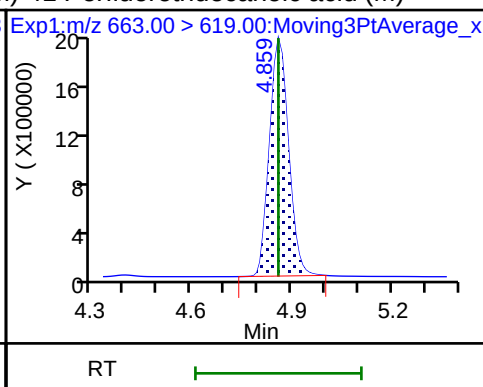
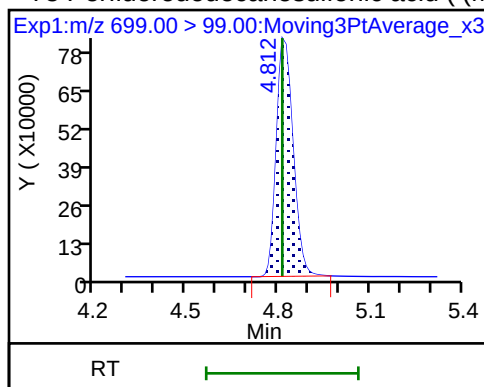
75 Perfluorododecanesulfonic acid (M)



75 Perfluorododecanesulfonic acid (M)

41 Perfluorotridecanoic acid (M)

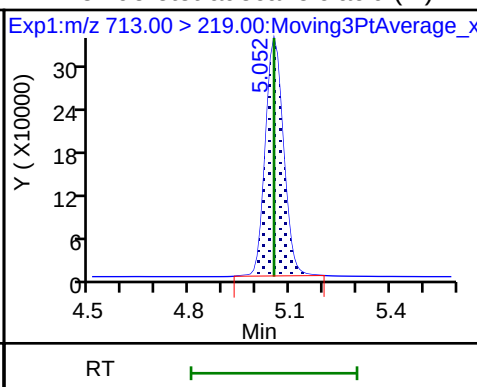
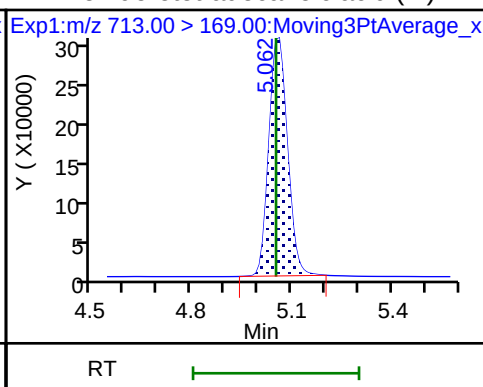
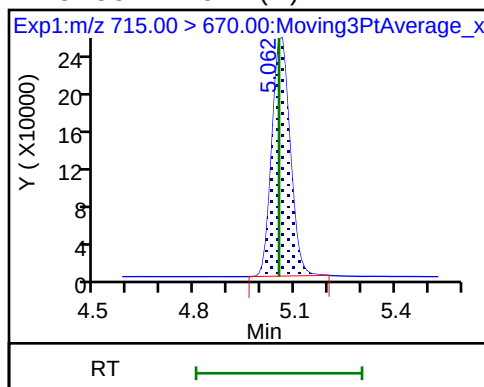
41 Perfluorotridecanoic acid (M)



D 43 13C2 PFTeDA (M)

42 Perfluorotetradecanoic acid (M)

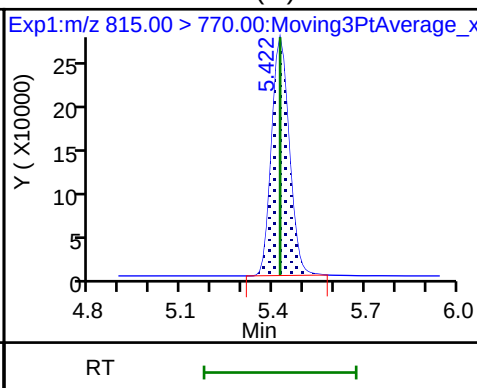
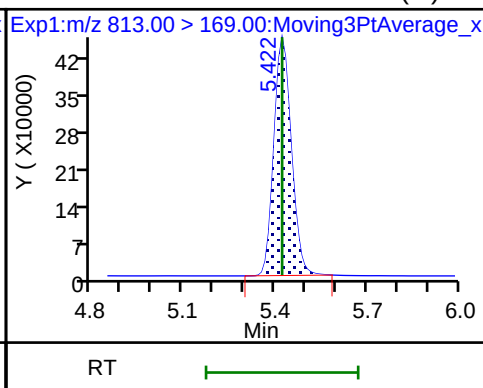
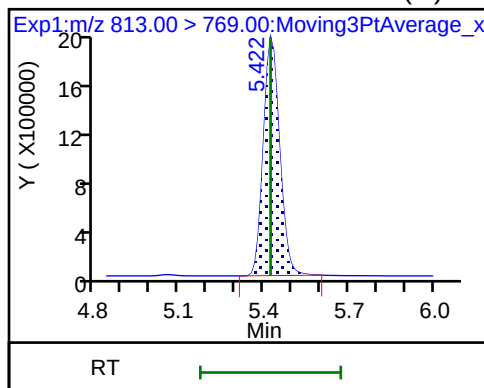
42 Perfluorotetradecanoic acid (M)



45 Perfluorohexadecanoic acid (M)

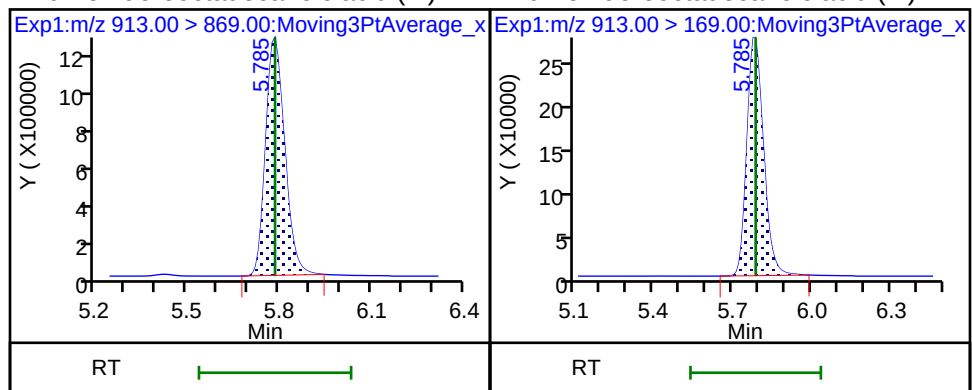
45 Perfluorohexadecanoic acid (M)

D 44 13C2 PFHxDA (M)



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

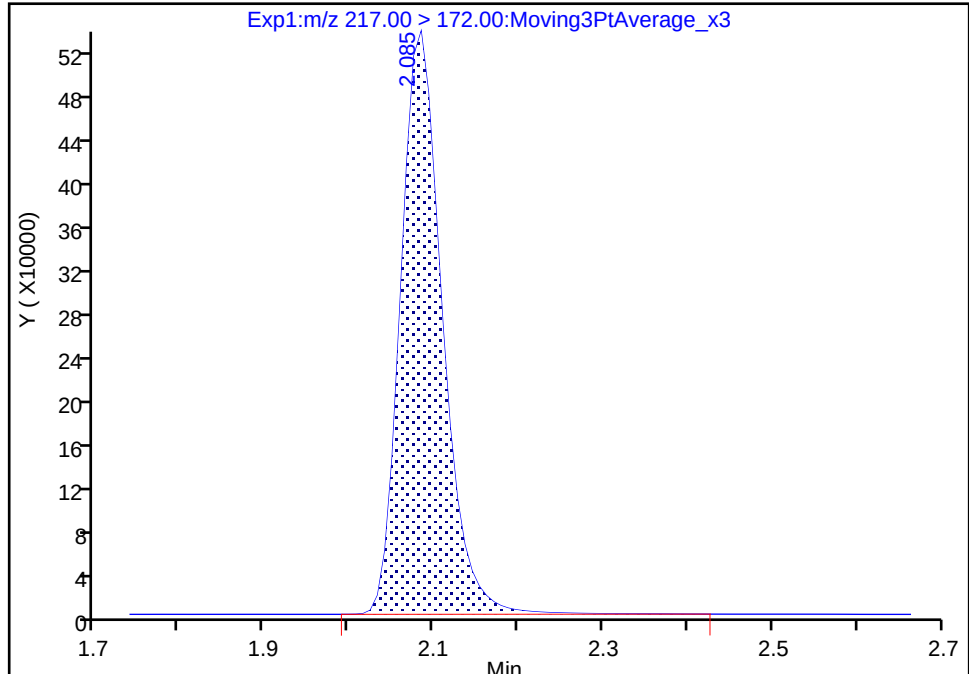
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 1 13C4 PFBA, CAS: STL00992

Signal: 1

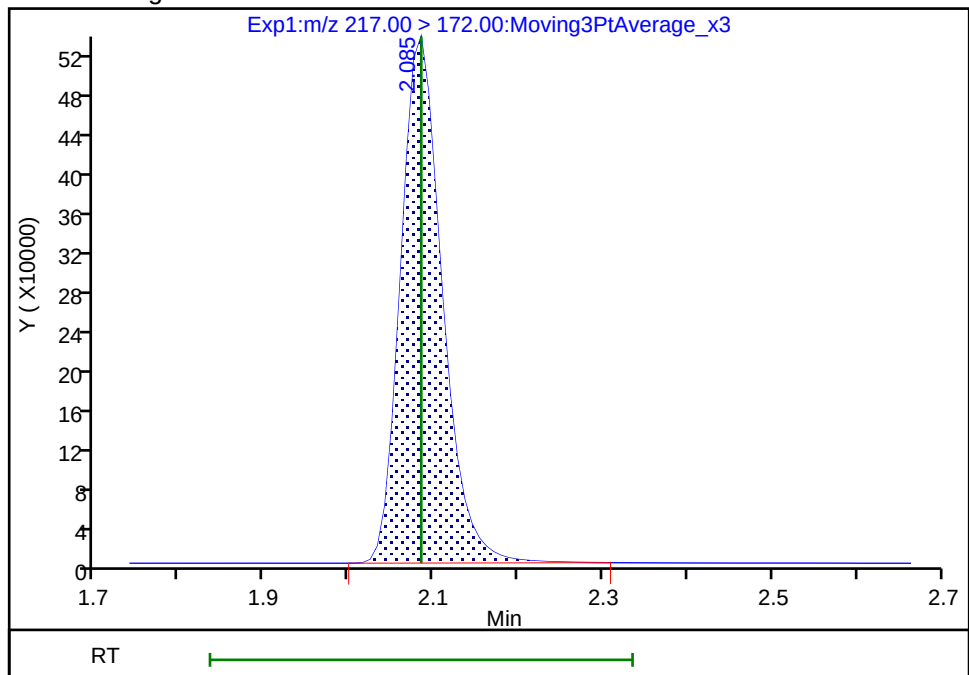
RT: 2.08
Area: 1811009
Amount: 1.259570
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 1806199
Amount: 1.266407
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:01:51
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

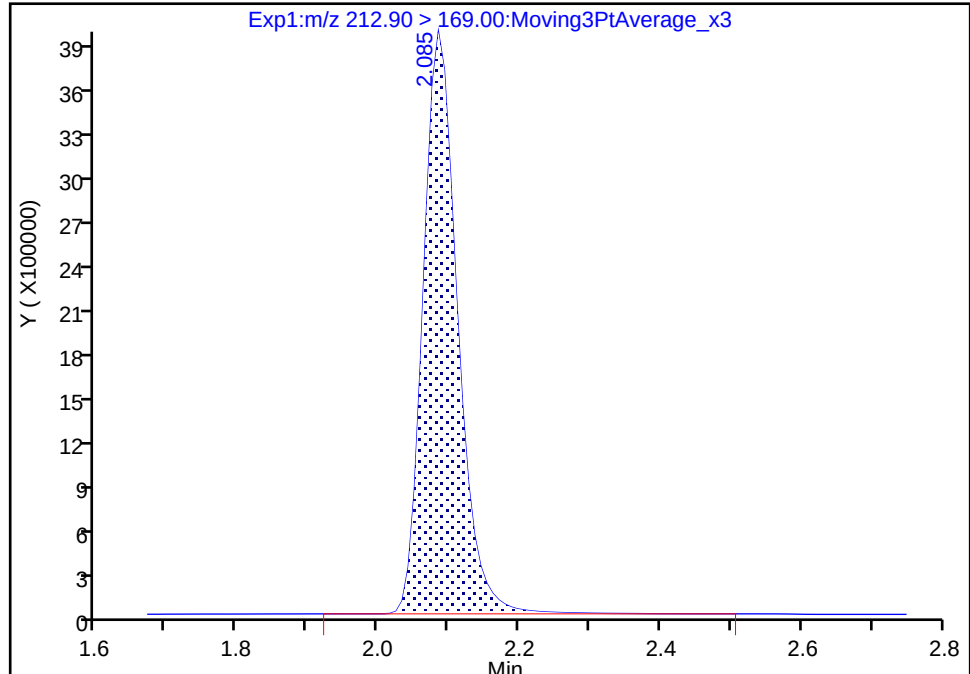
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

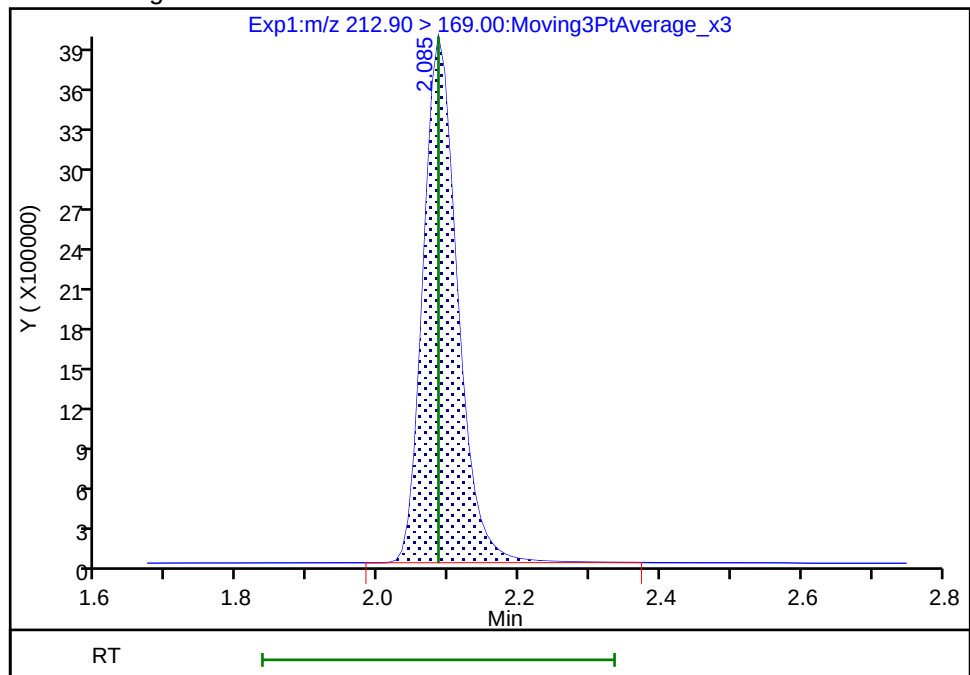
RT: 2.08
Area: 13207925
Amount: 9.423643
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 13183310
Amount: 9.408834
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:01:57
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

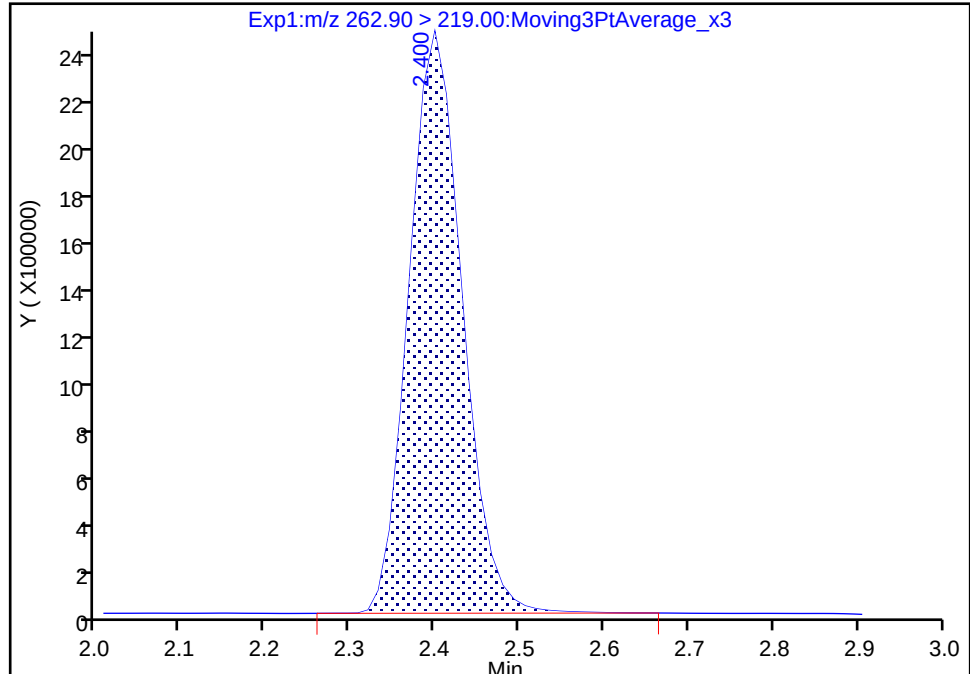
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

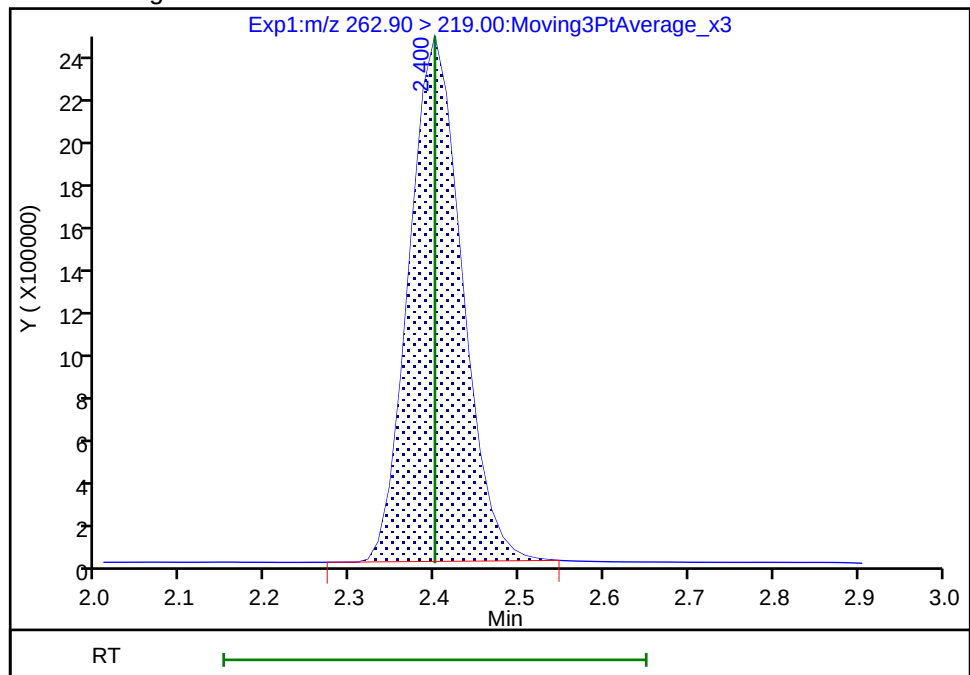
RT: 2.40
Area: 10854749
Amount: 9.688095
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 10770827
Amount: 9.625209
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:02:07
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

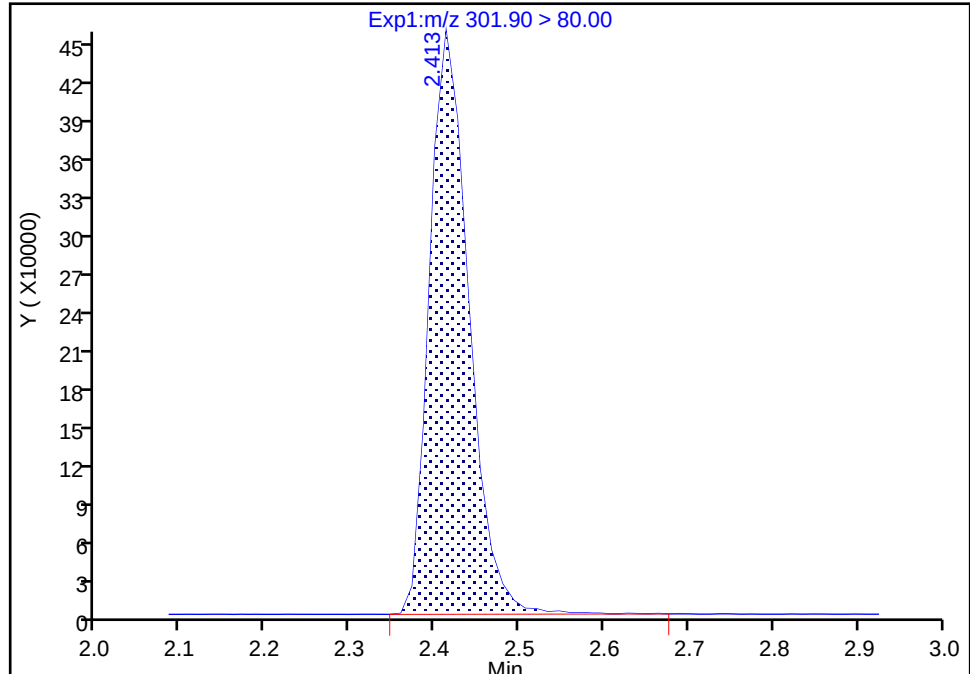
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

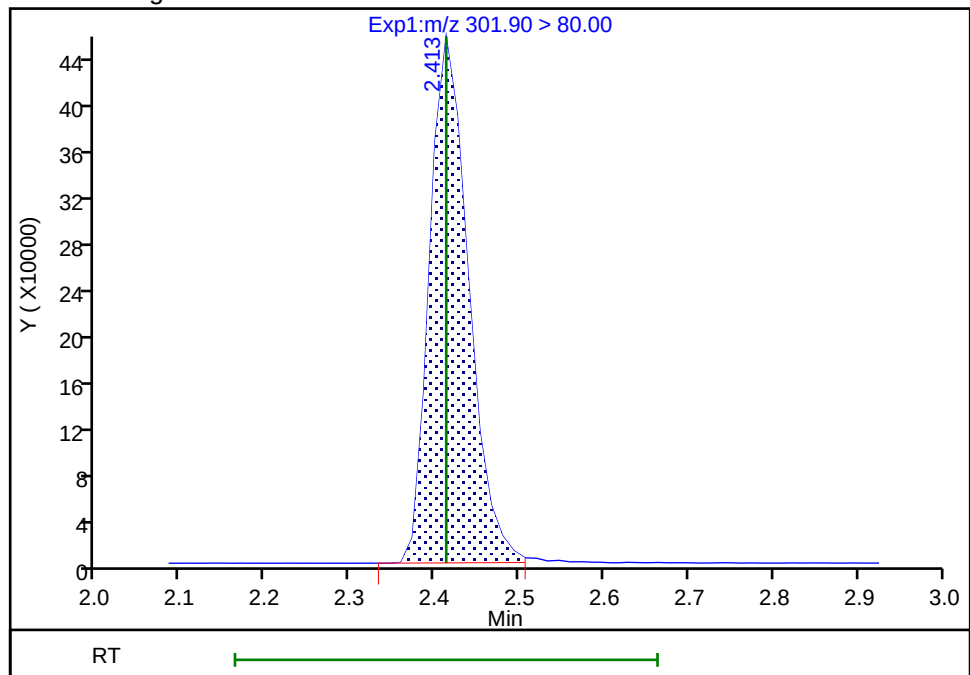
RT: 2.41
Area: 1465857
Amount: 1.144136
Amount Units: ng/ml

Processing Integration Results



RT: 2.41
Area: 1451388
Amount: 1.143418
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:02:20

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

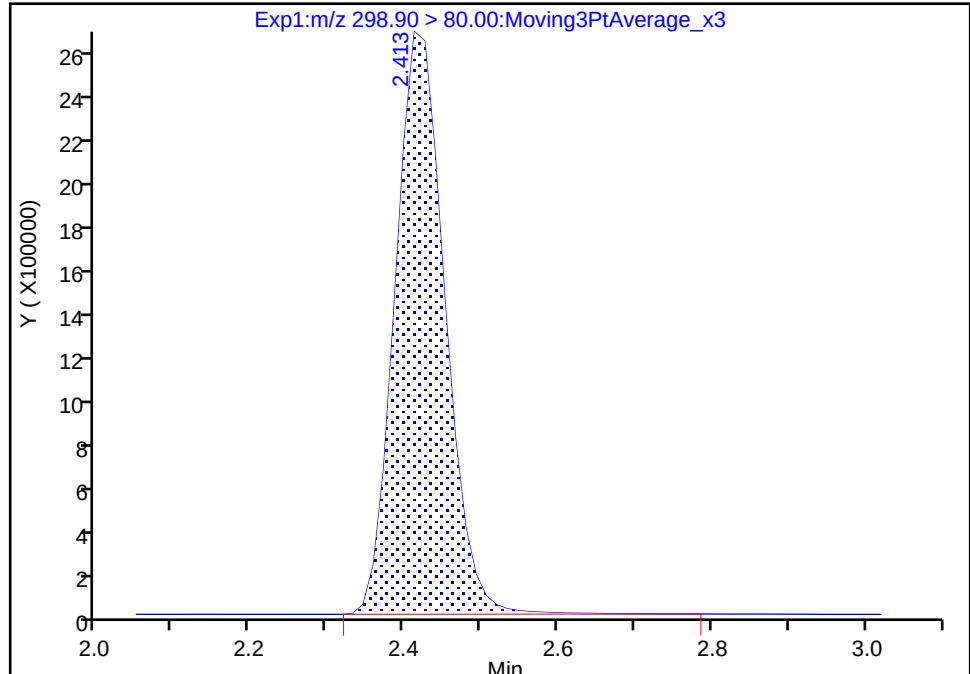
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

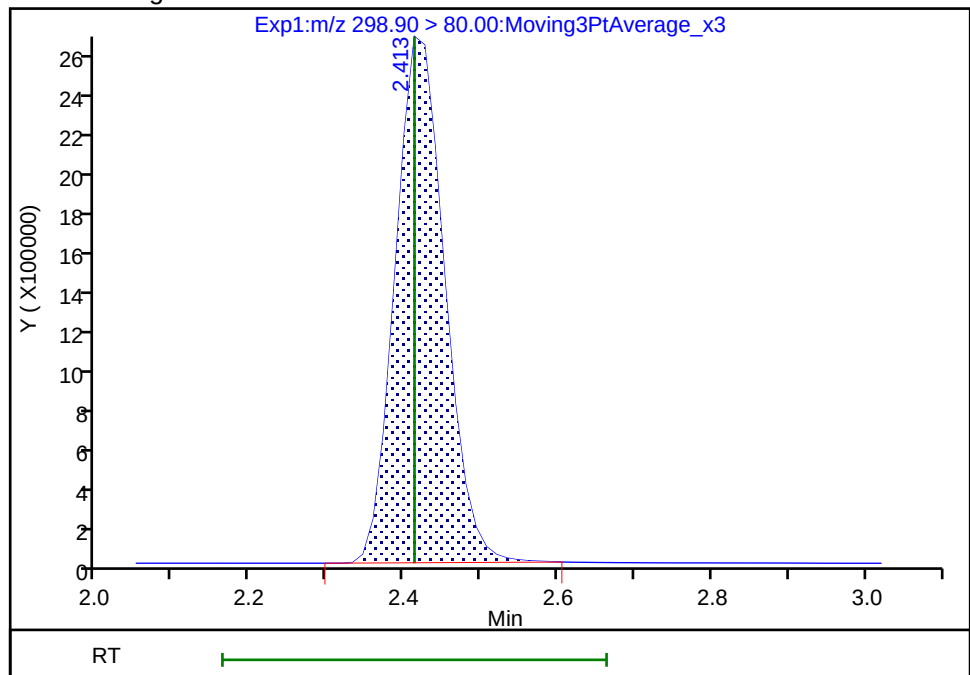
RT: 2.41
Area: 11977456
Amount: 8.683132
Amount Units: ng/ml

Processing Integration Results



RT: 2.41
Area: 11911747
Amount: 8.643258
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:02:26
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

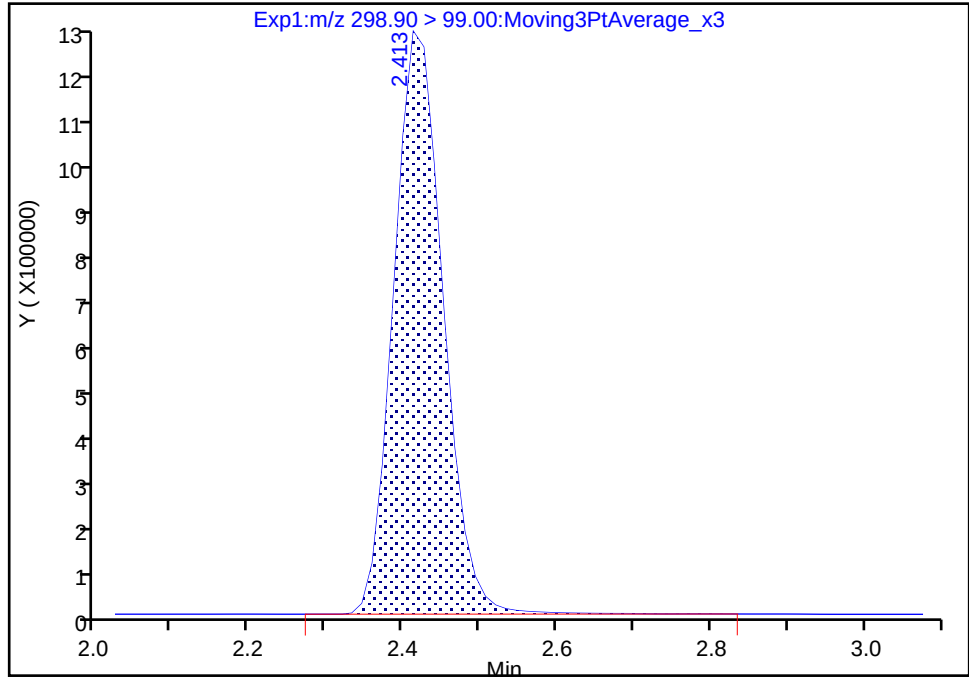
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

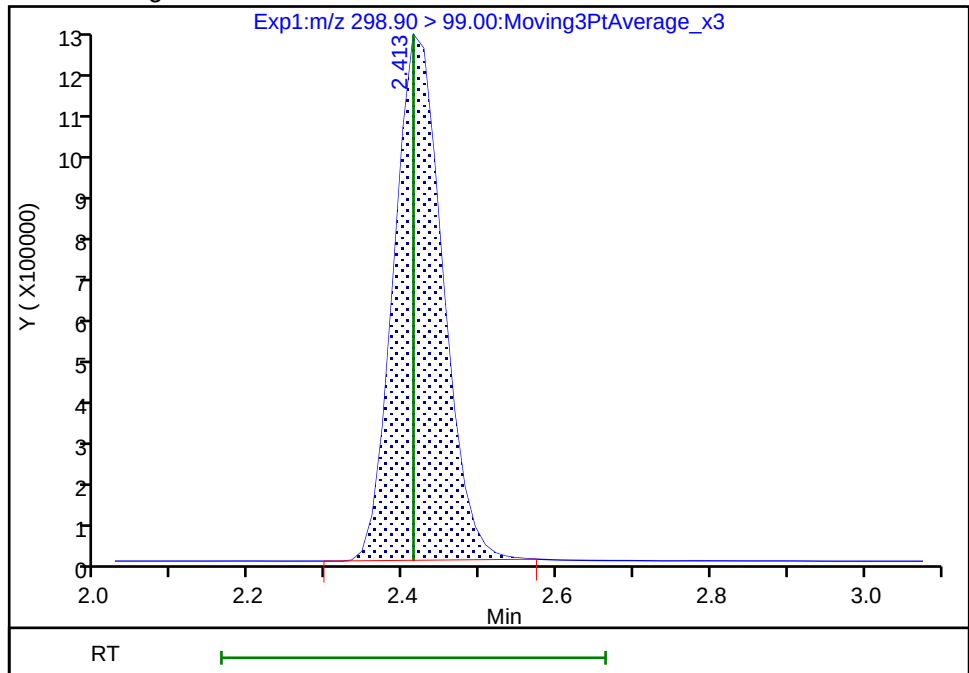
RT: 2.41
Area: 5728246
Amount: 8.683132
Amount Units: ng/ml

Processing Integration Results



RT: 2.41
Area: 5675052
Amount: 8.643258
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:02:31

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

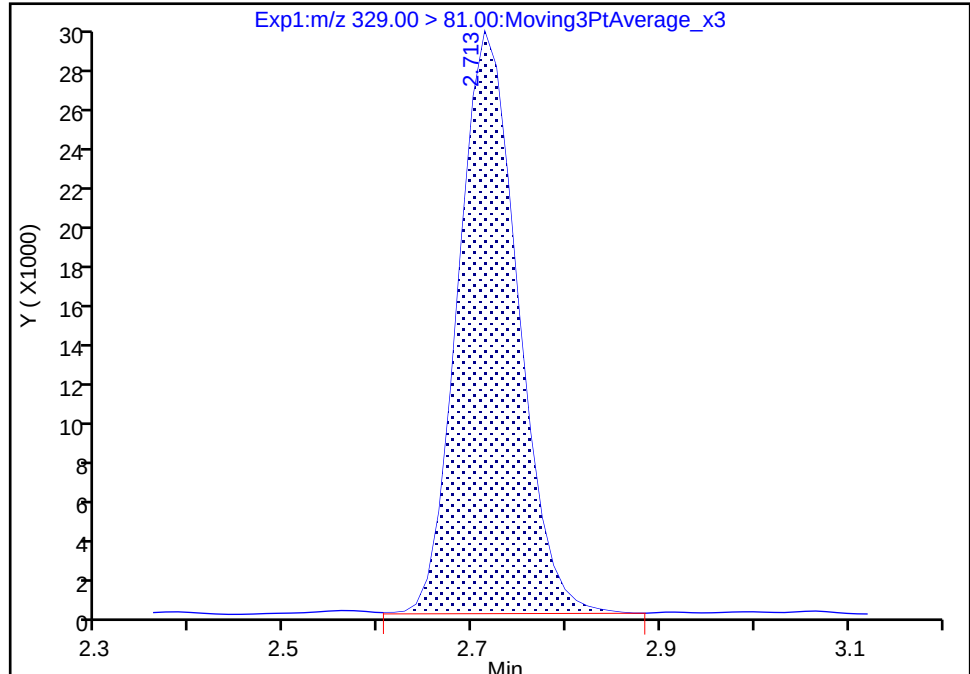
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

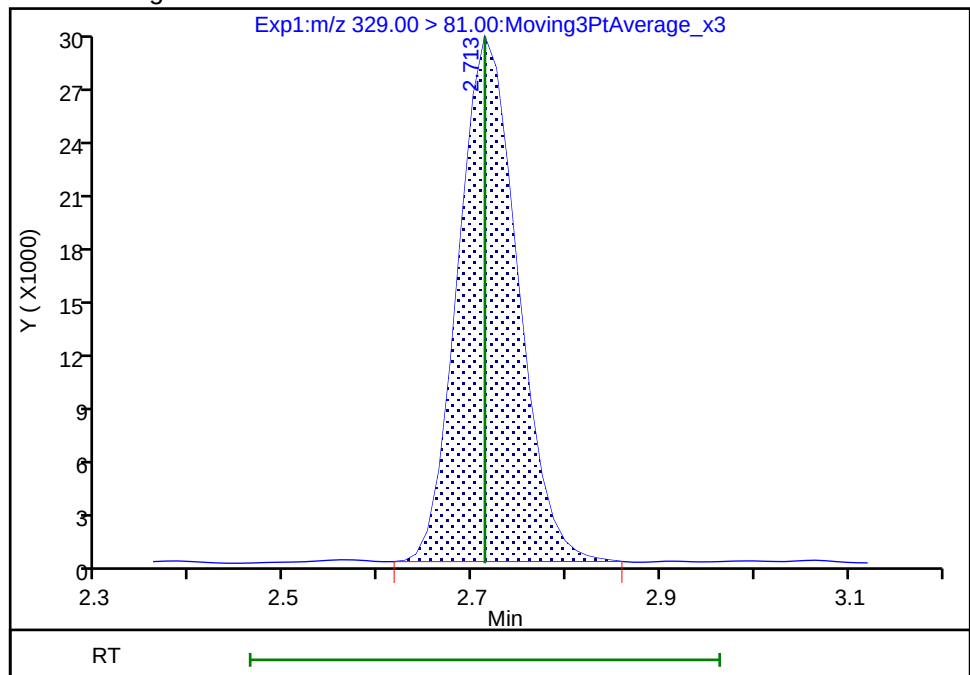
RT: 2.71
Area: 129518
Amount: 1.174911
Amount Units: ng/ml

Processing Integration Results



RT: 2.71
Area: 128662
Amount: 1.177395
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:02:38

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

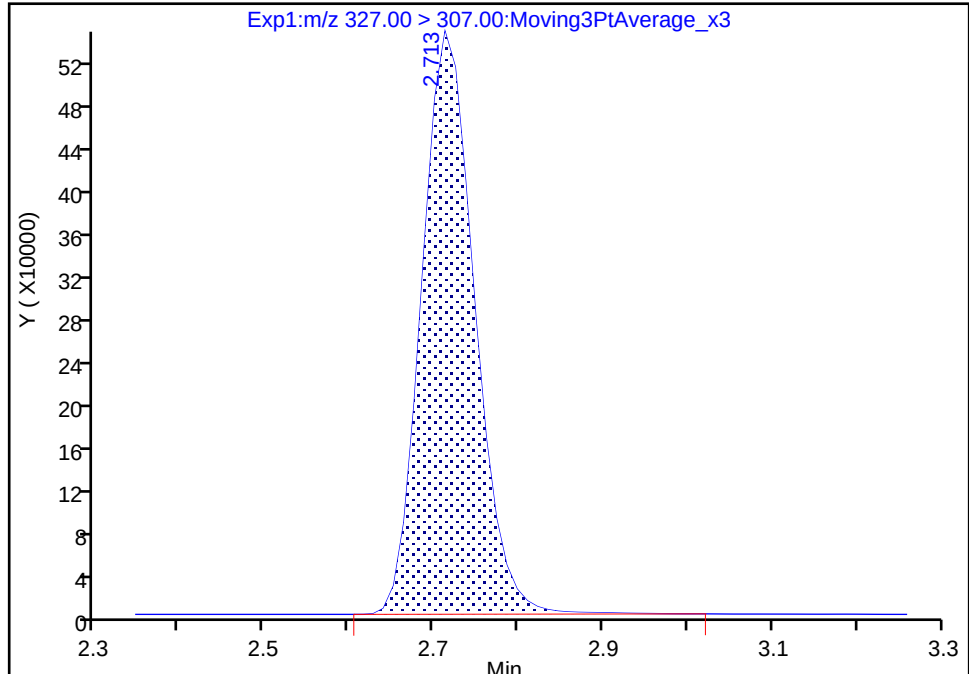
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

61 1H,1H,2H,2H-perfluorohexanesulfo, CAS: 757124-72-4

Signal: 1

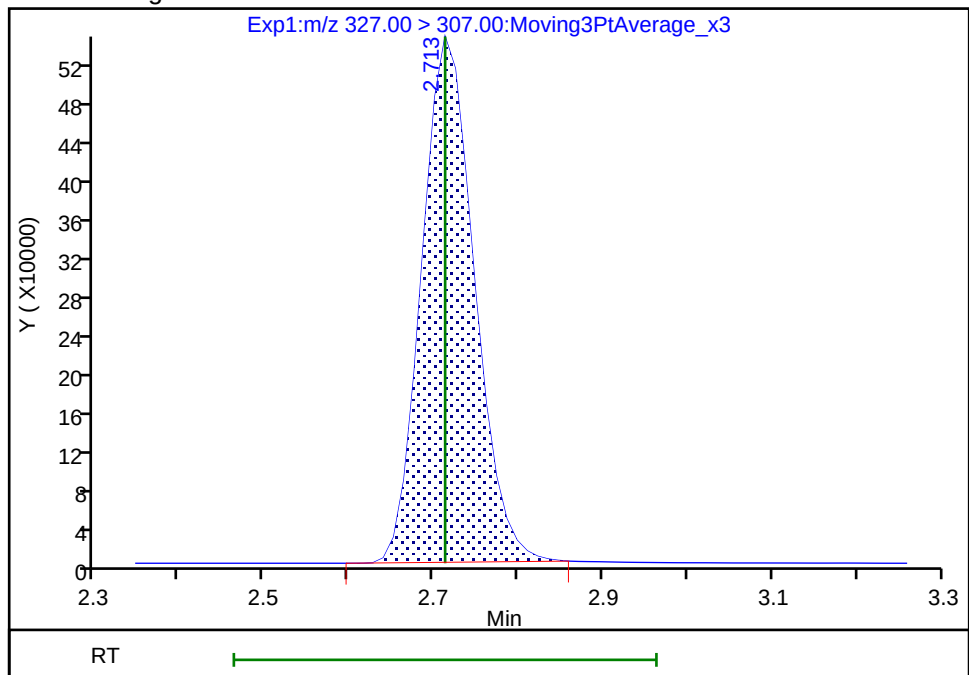
RT: 2.71
Area: 2385526
Amount: 9.093837
Amount Units: ng/ml

Processing Integration Results



RT: 2.71
Area: 2363764
Amount: 9.024238
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:02:42
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

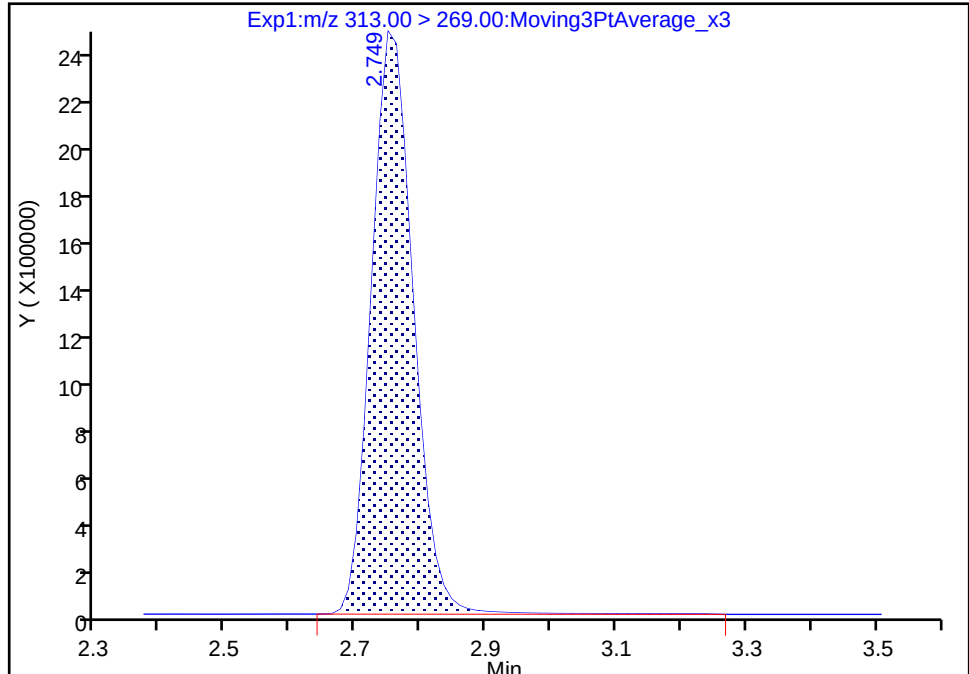
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

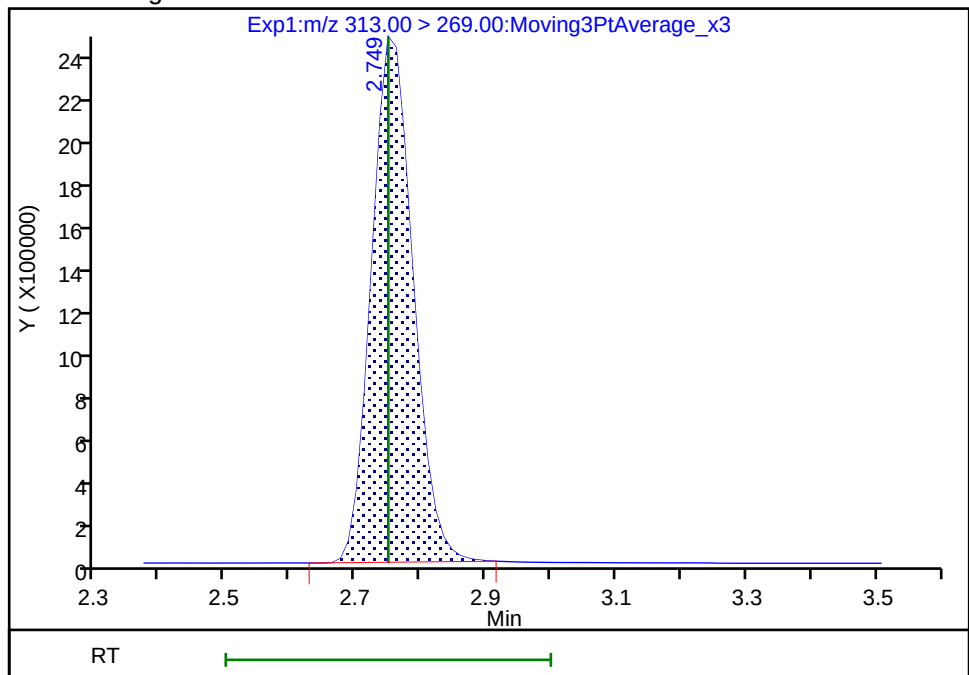
RT: 2.75
Area: 11116573
Amount: 9.762323
Amount Units: ng/ml

Processing Integration Results



RT: 2.75
Area: 10982567
Amount: 9.663596
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:02:47
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

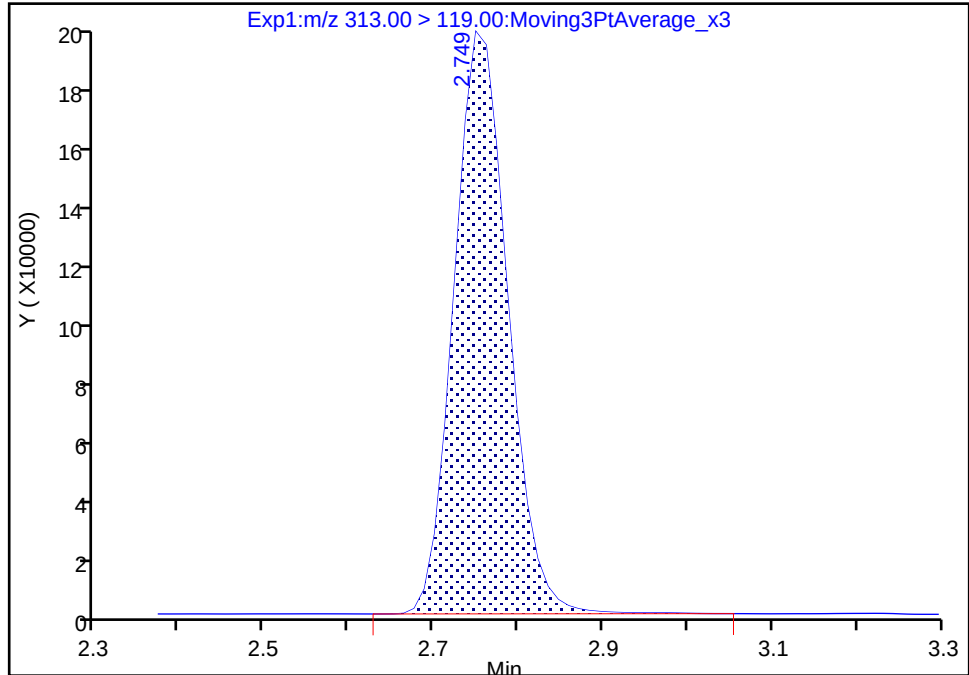
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

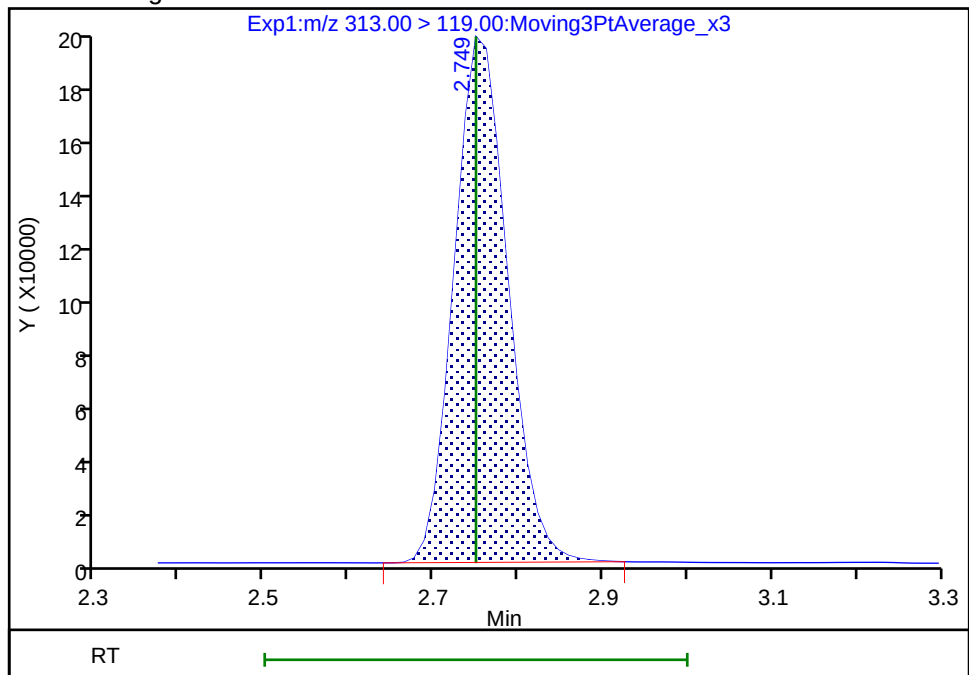
RT: 2.75
Area: 869014
Amount: 9.762323
Amount Units: ng/ml

Processing Integration Results



RT: 2.75
Area: 864666
Amount: 9.663596
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:02:51

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

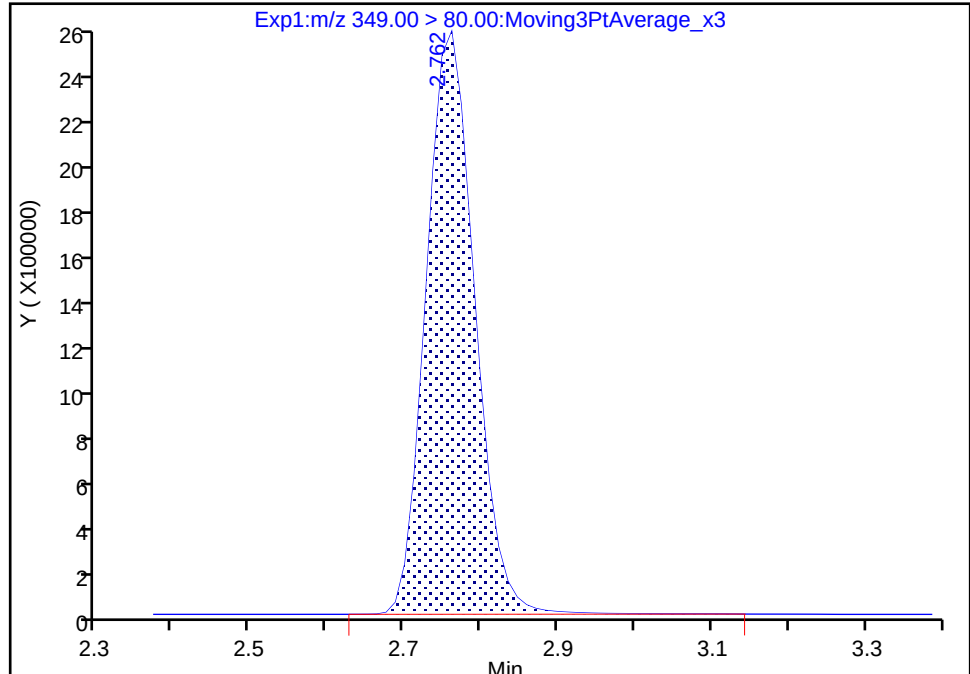
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 1

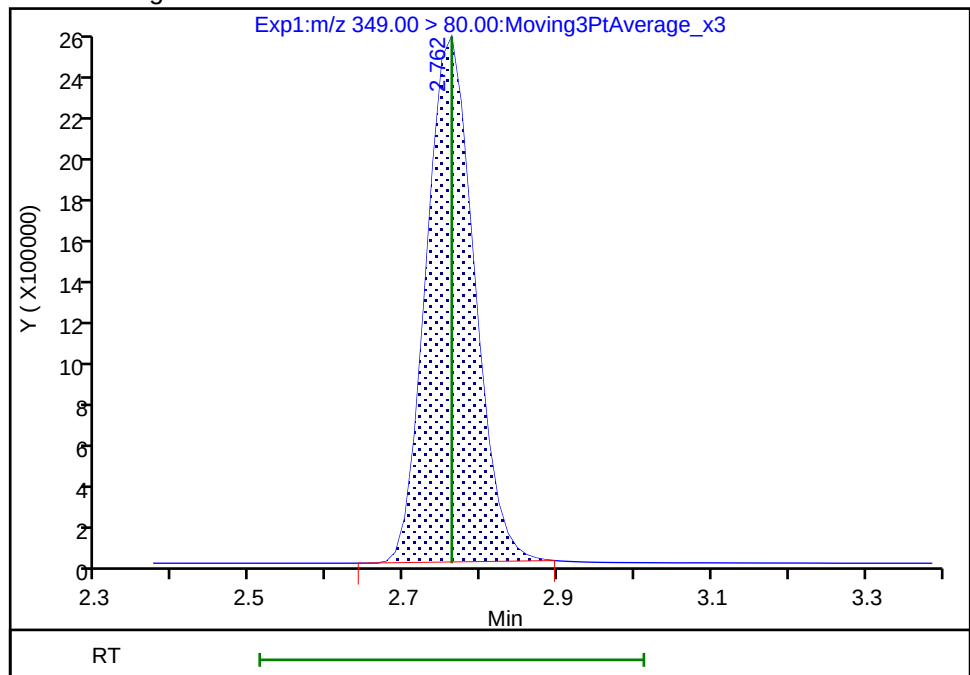
RT: 2.76
Area: 11147059
Amount: 9.213453
Amount Units: ng/ml

Processing Integration Results



RT: 2.76
Area: 11015177
Amount: 9.122115
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:02:57
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

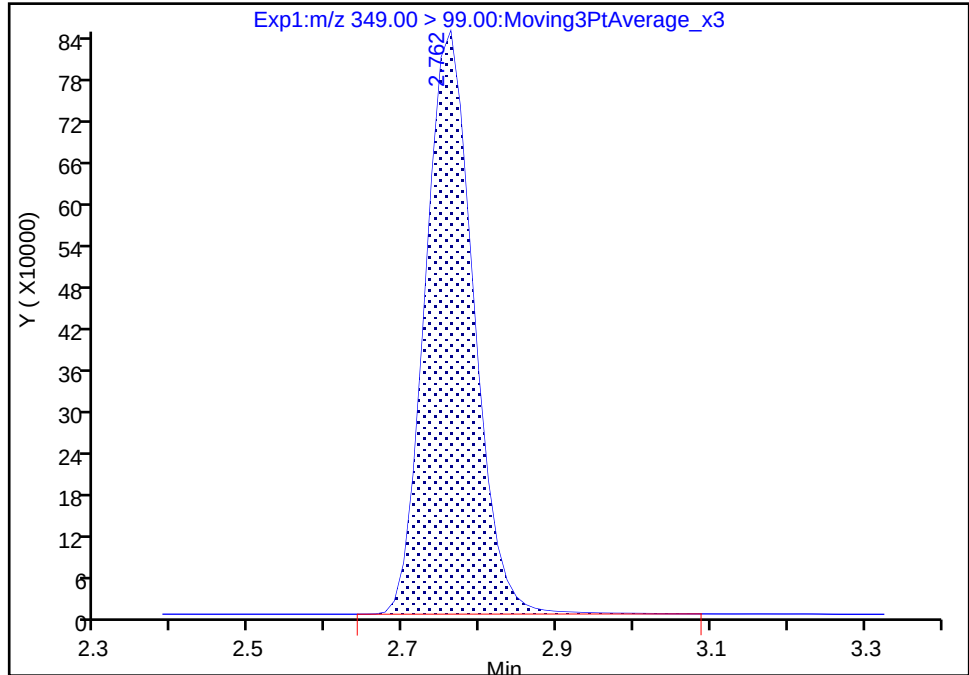
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 2

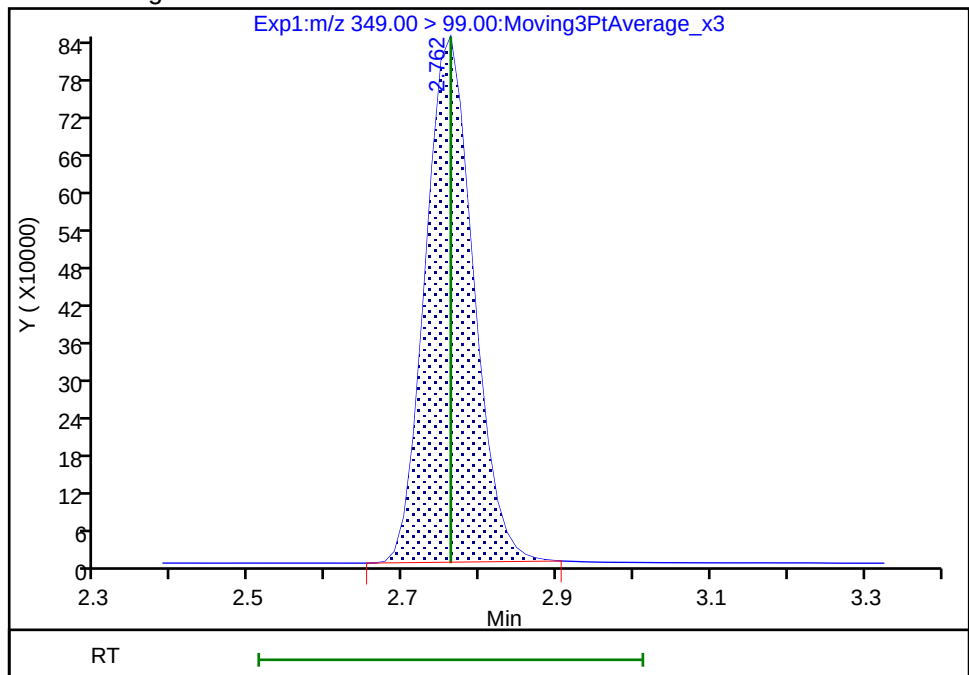
RT: 2.76
Area: 3654378
Amount: 9.213453
Amount Units: ng/ml

Processing Integration Results



RT: 2.76
Area: 3620783
Amount: 9.122115
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:03:01

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

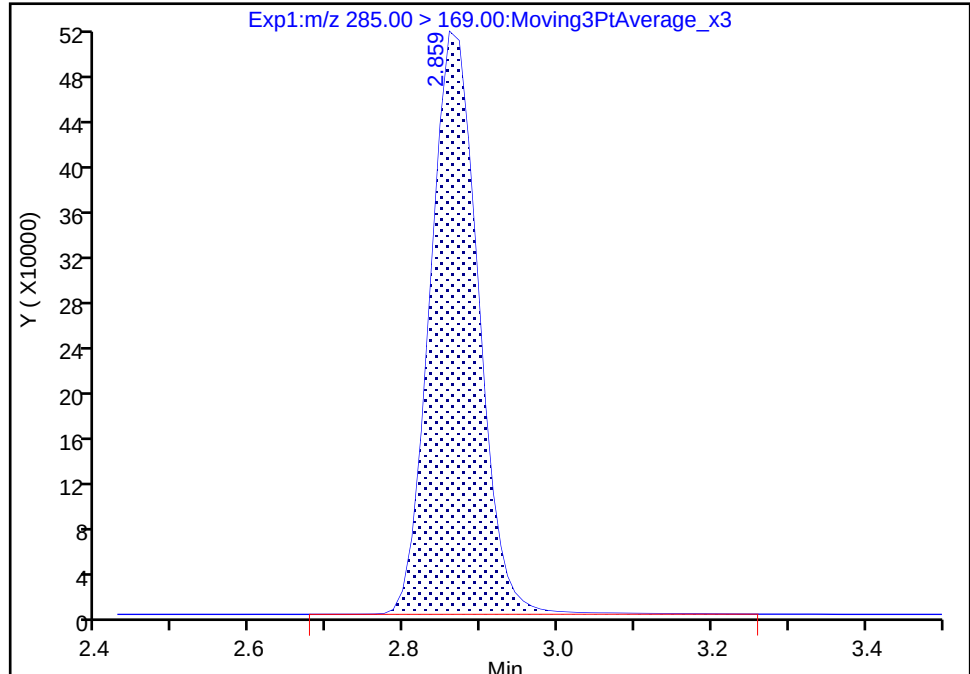
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

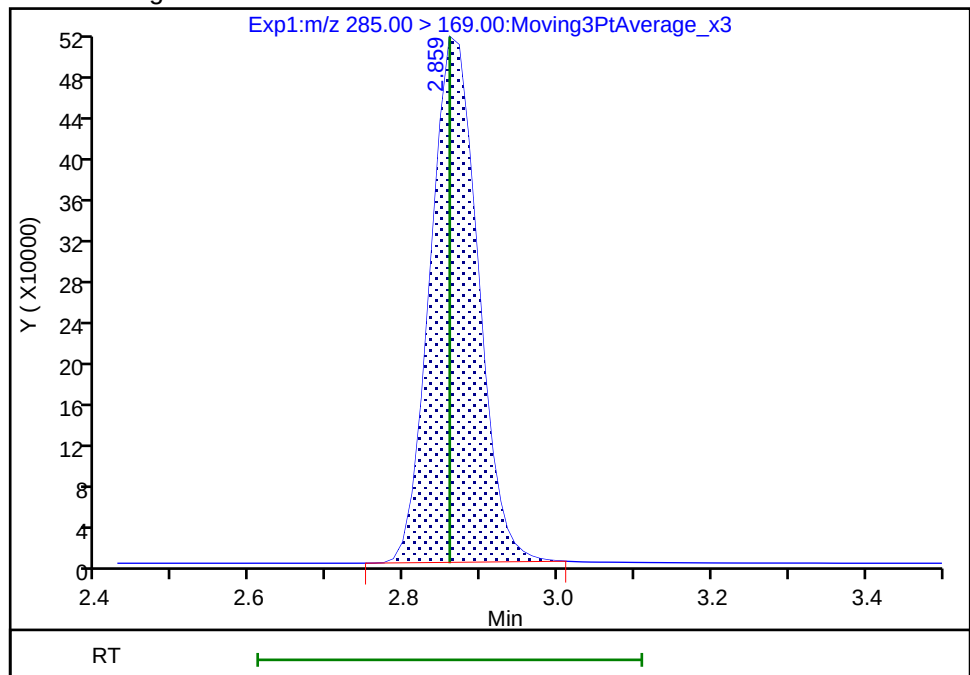
RT: 2.86
Area: 2216336
Amount: 9.476425
Amount Units: ng/ml

Processing Integration Results



RT: 2.86
Area: 2193377
Amount: 9.393627
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:03:07
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

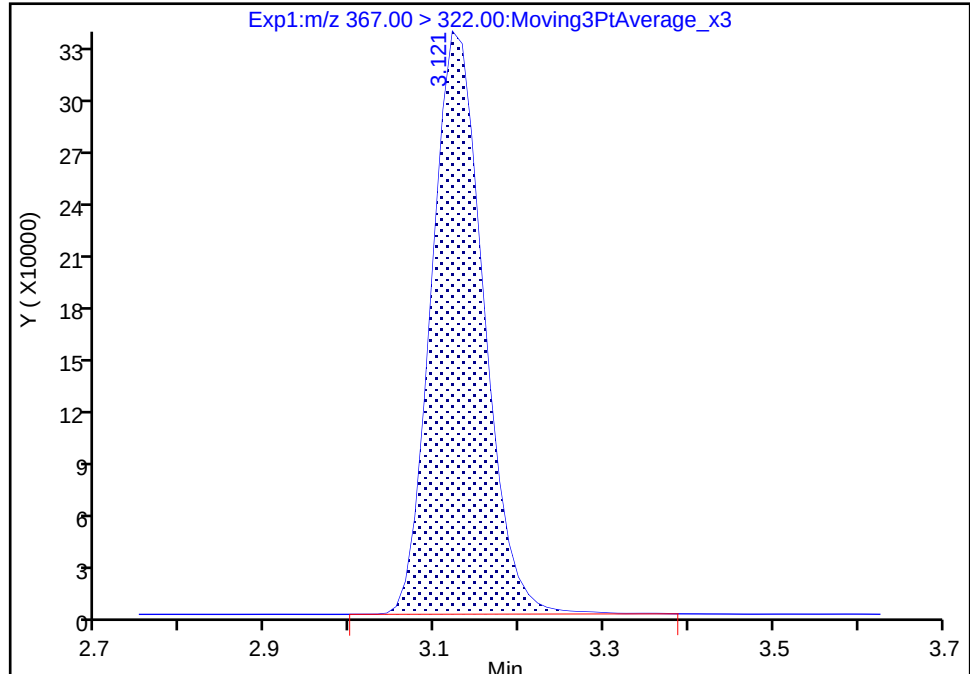
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 9 13C4 PFHpA, CAS: STL01892

Signal: 1

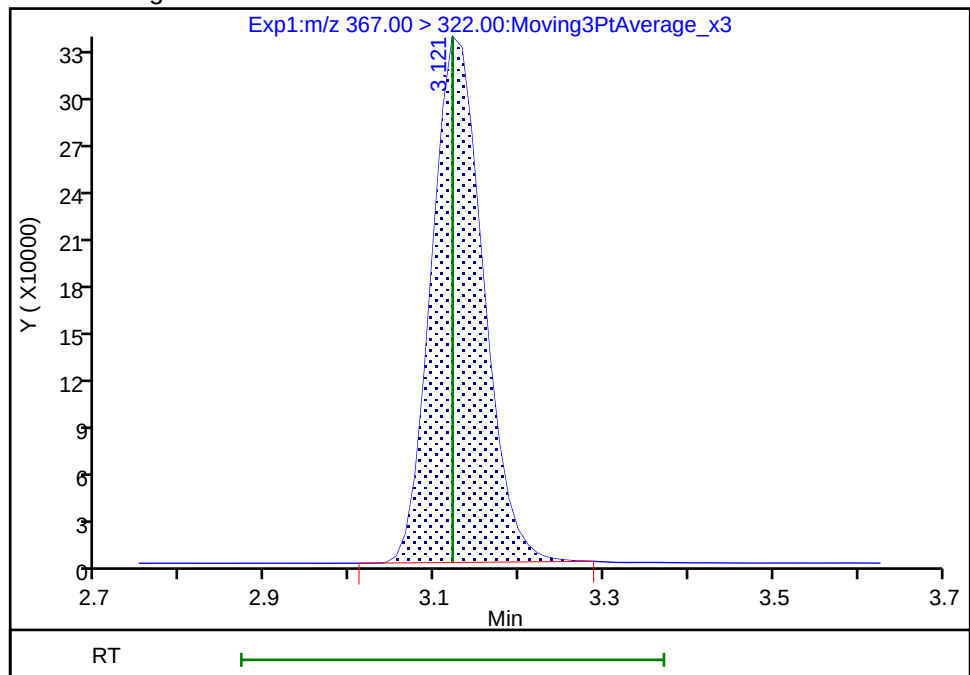
RT: 3.12
Area: 1410679
Amount: 1.230861
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 1400879
Amount: 1.233124
Amount Units: ng/ml

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

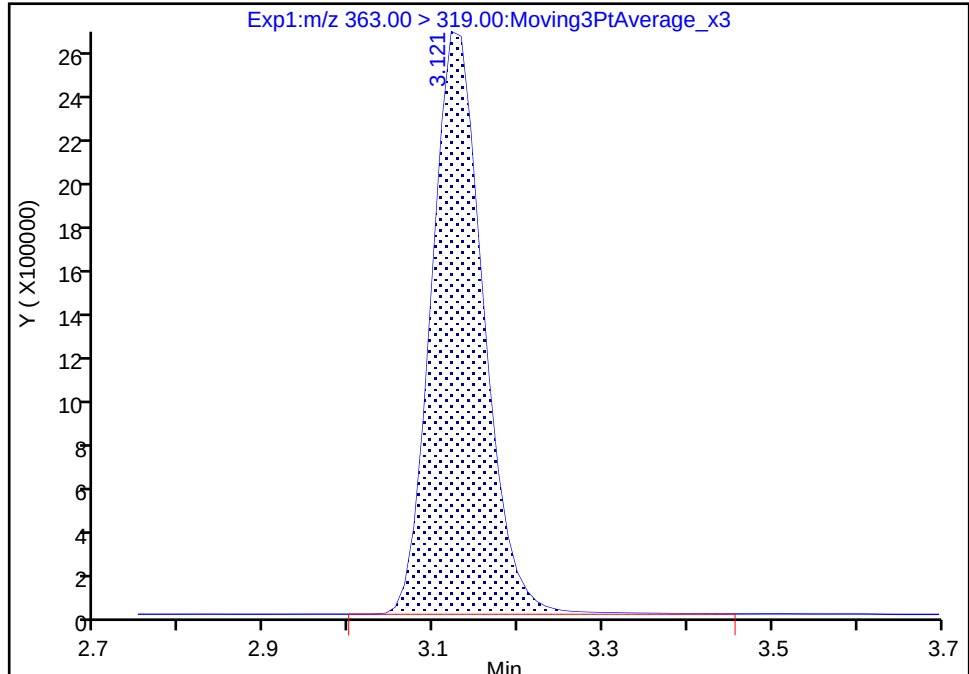
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

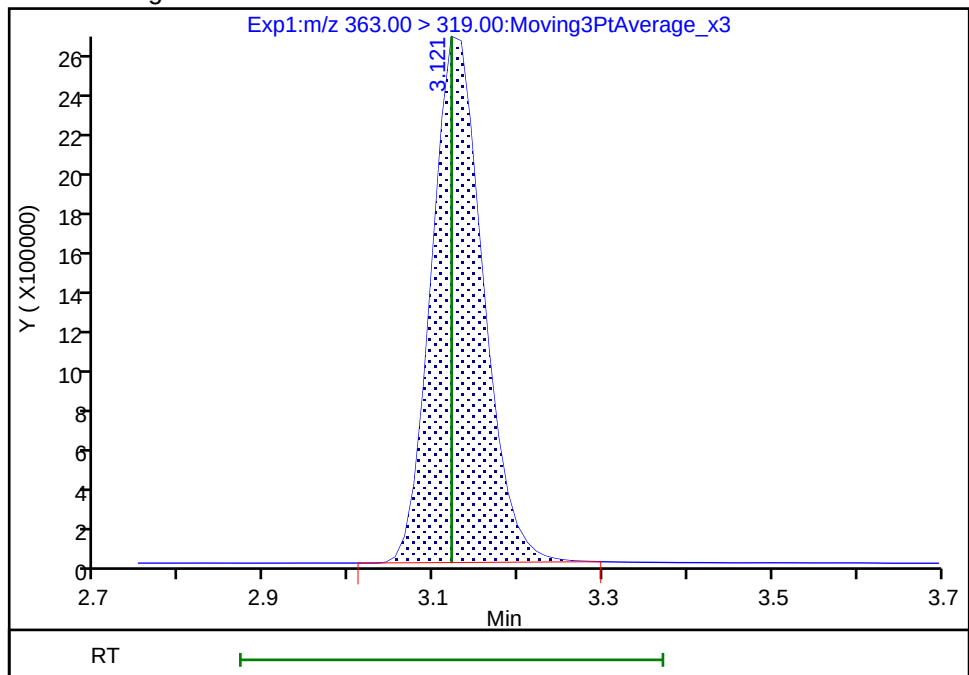
RT: 3.12
Area: 11295171
Amount: 9.765590
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 11197138
Amount: 9.694528
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:03:17
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

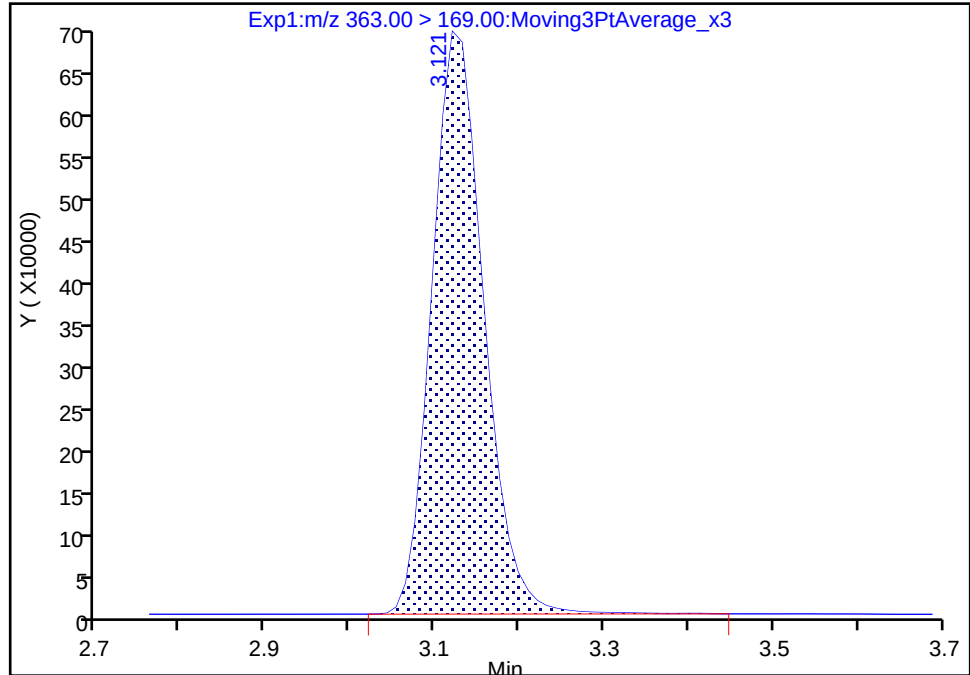
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

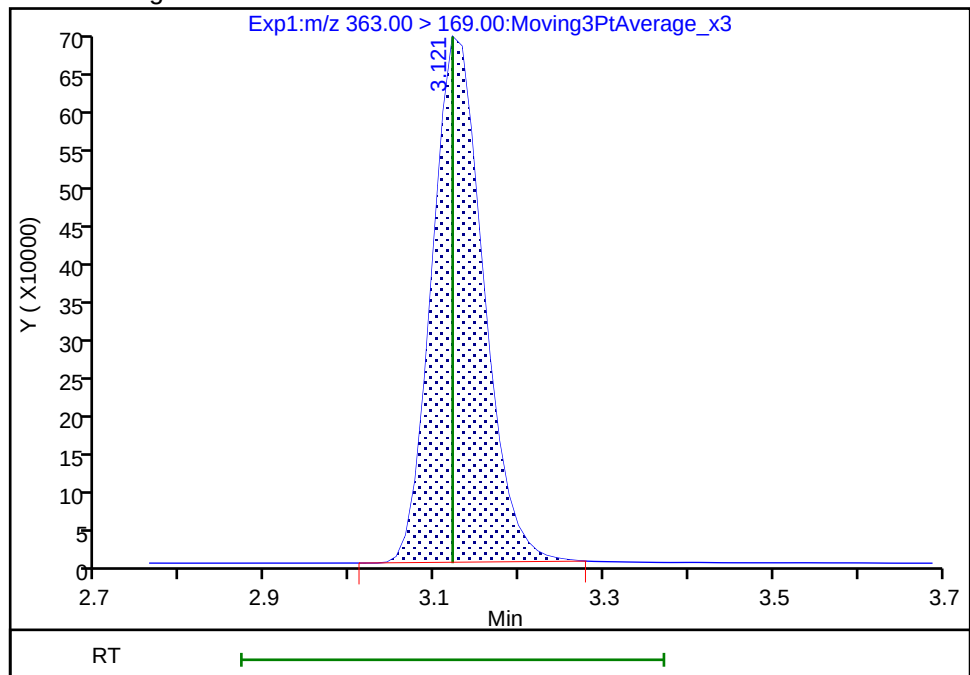
RT: 3.12
Area: 2957121
Amount: 9.765590
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 2929777
Amount: 9.694528
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:03:20

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

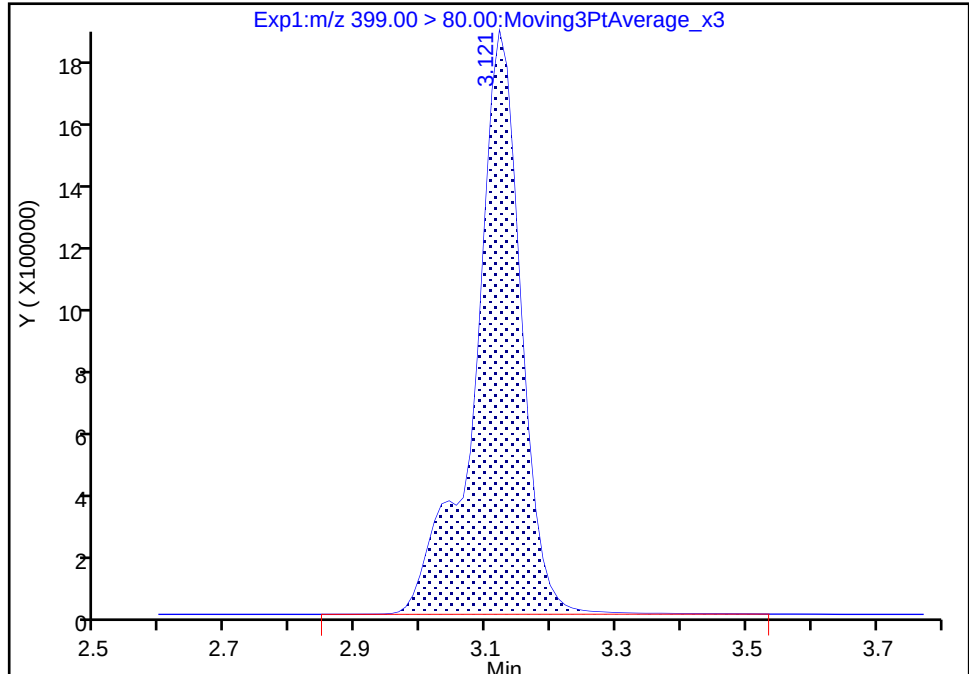
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

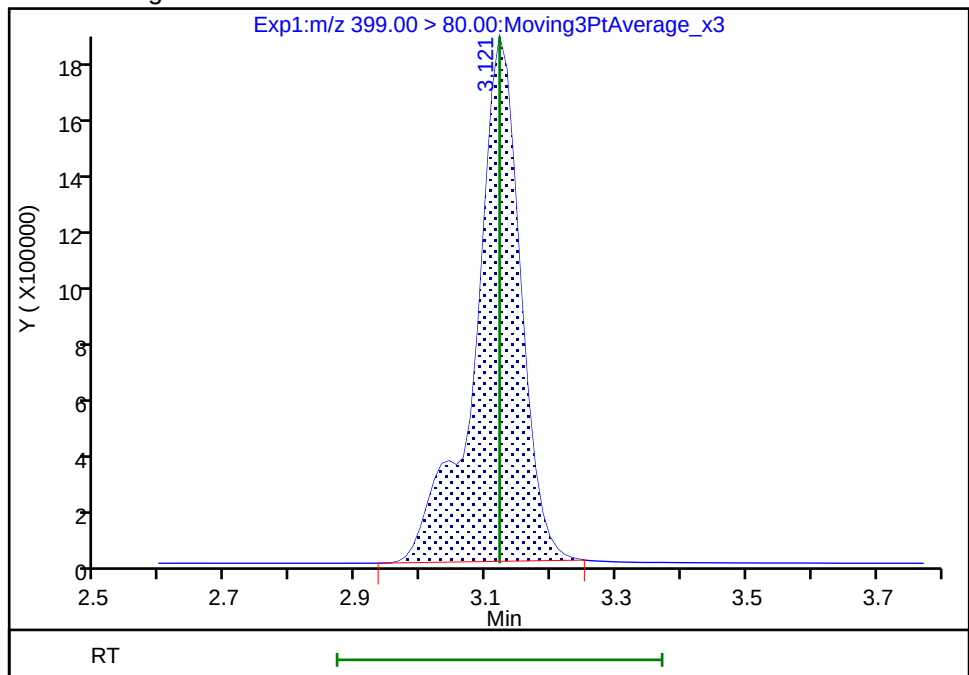
RT: 3.12
Area: 9063143
Amount: 8.800807
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 8919353
Amount: 8.683385
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:03:26
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

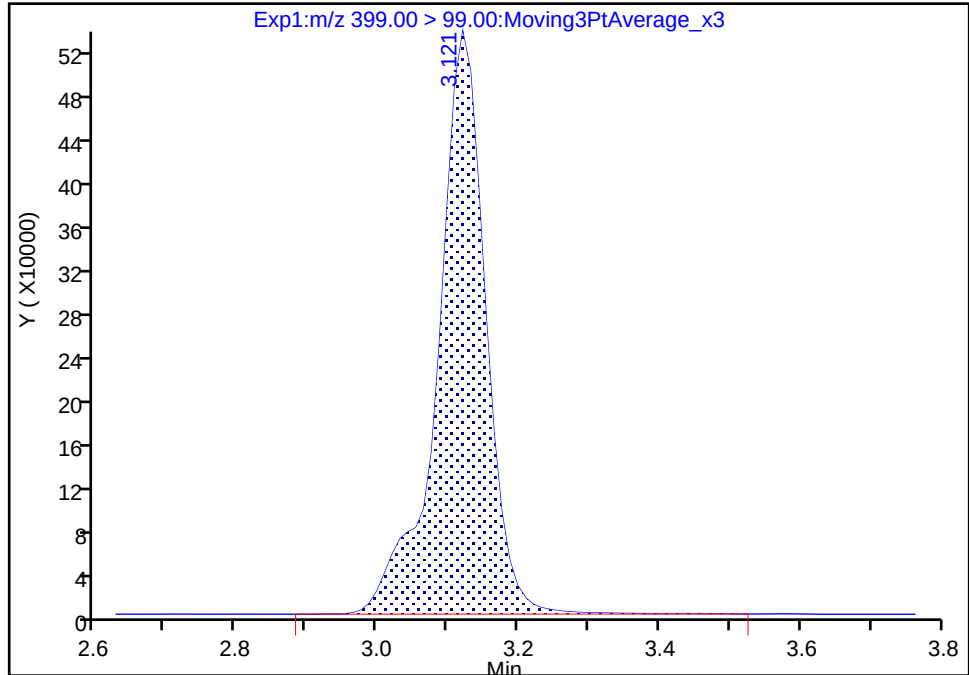
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

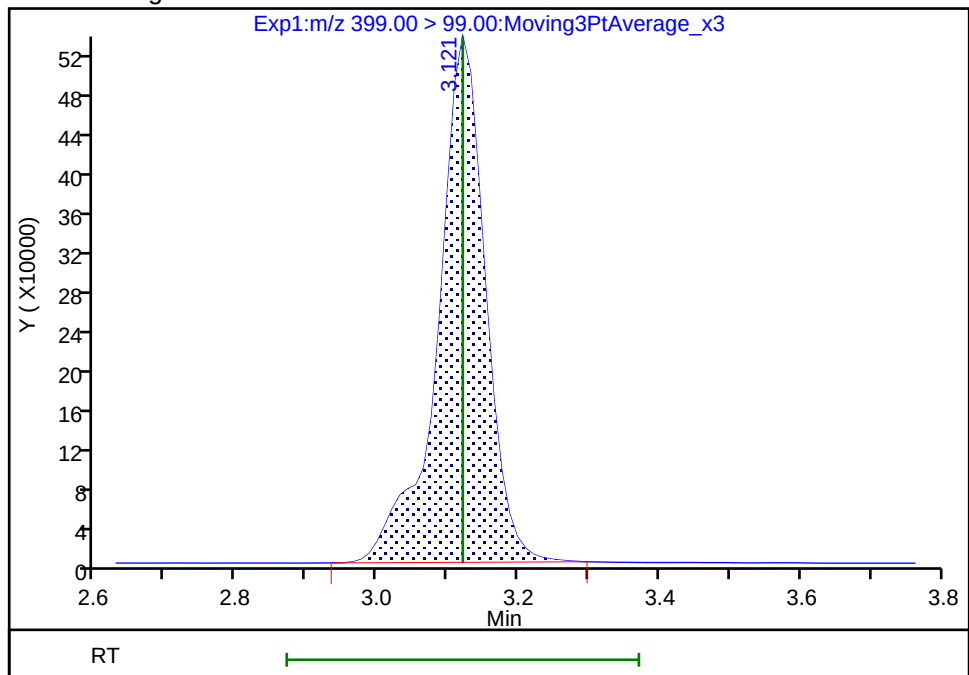
RT: 3.12
Area: 2529296
Amount: 8.800807
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 2507240
Amount: 8.683385
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:03:31

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

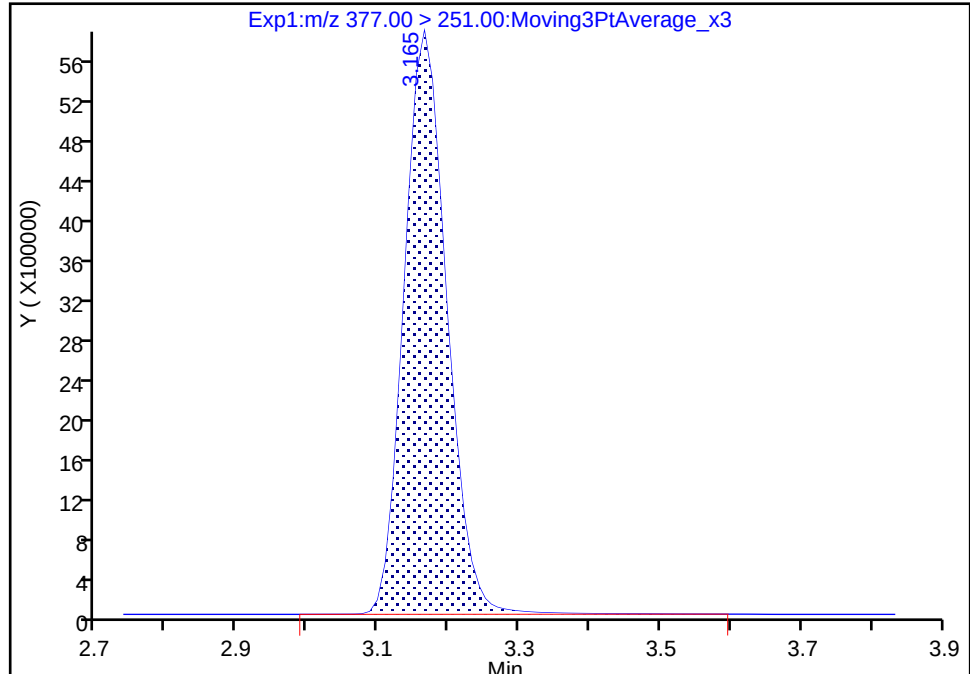
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

77 DONA, CAS: 919005-14-4

Signal: 1

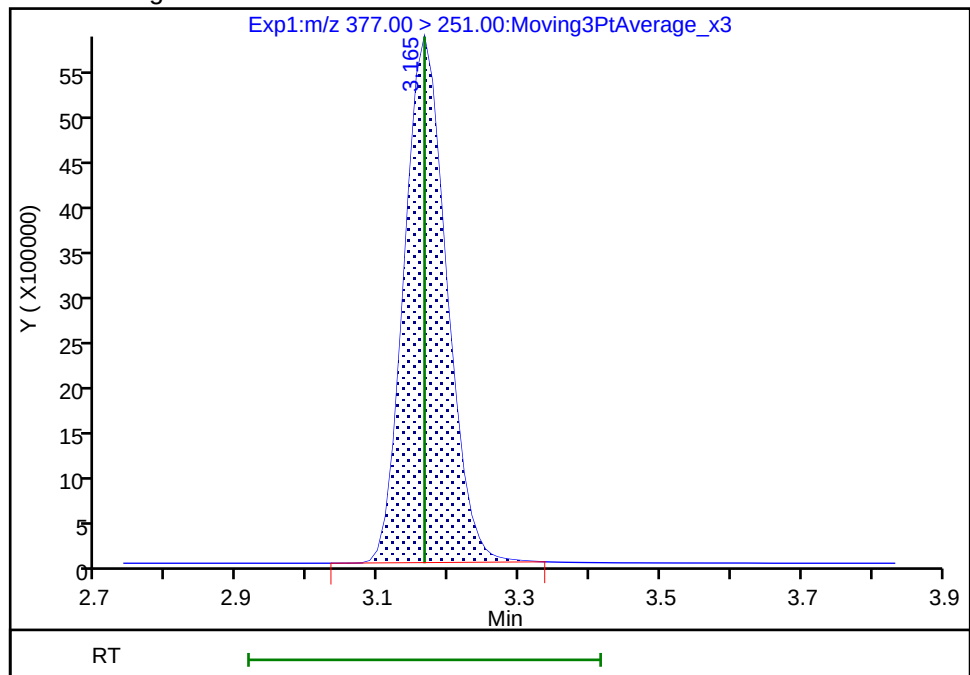
RT: 3.16
Area: 24633067
Amount: 8.662292
Amount Units: ng/ml

Processing Integration Results



RT: 3.16
Area: 24439985
Amount: 8.636428
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:03:41
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

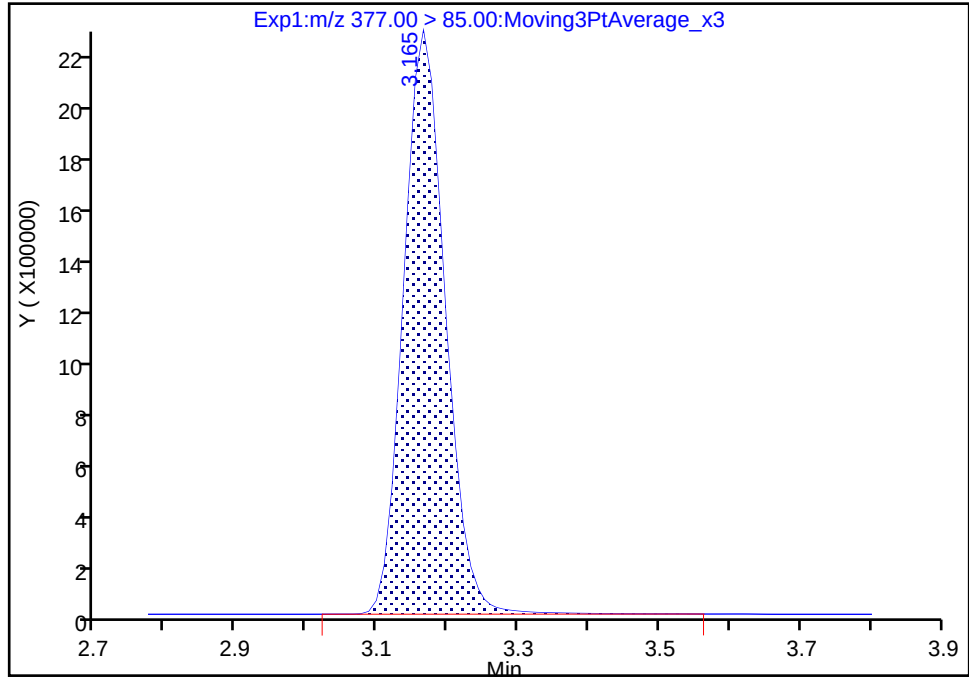
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

77 DONA, CAS: 919005-14-4

Signal: 2

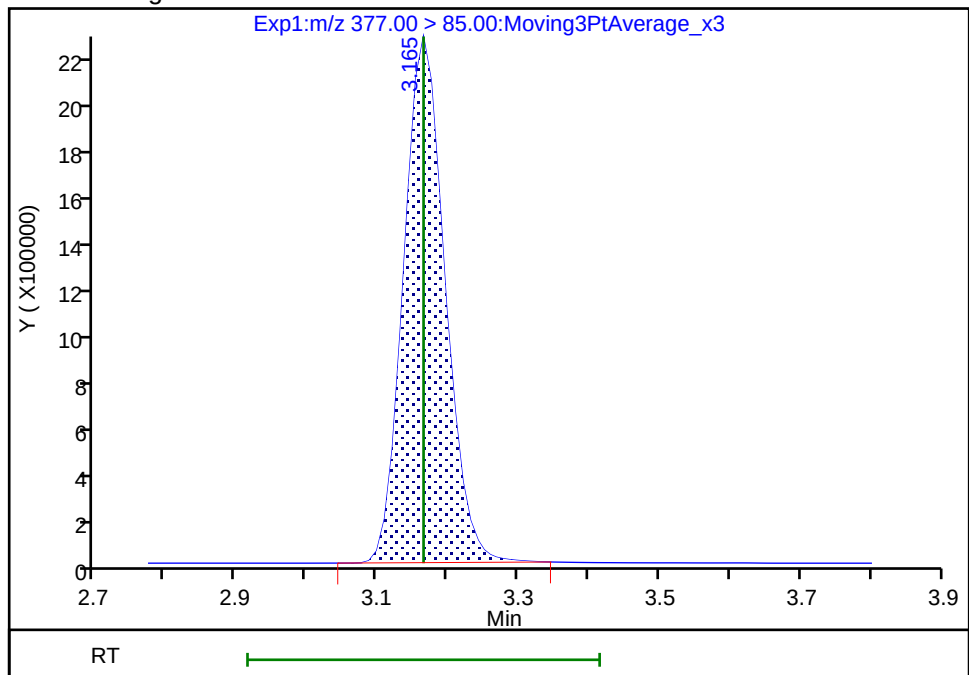
RT: 3.16
Area: 9349256
Amount: 8.662292
Amount Units: ng/ml

Processing Integration Results



RT: 3.16
Area: 9289763
Amount: 8.636428
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:03:44

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

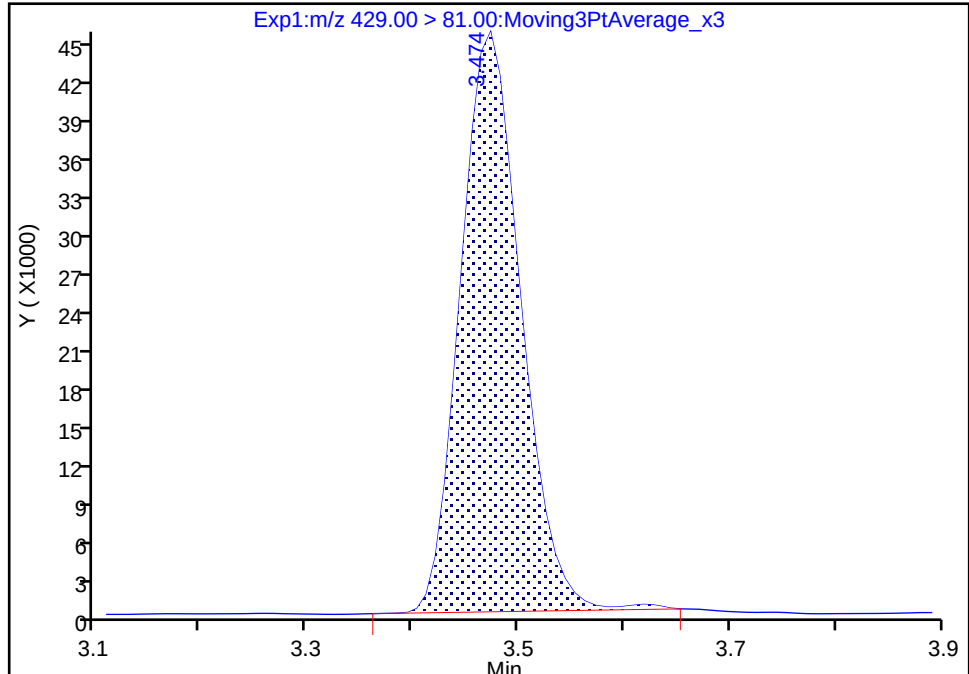
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

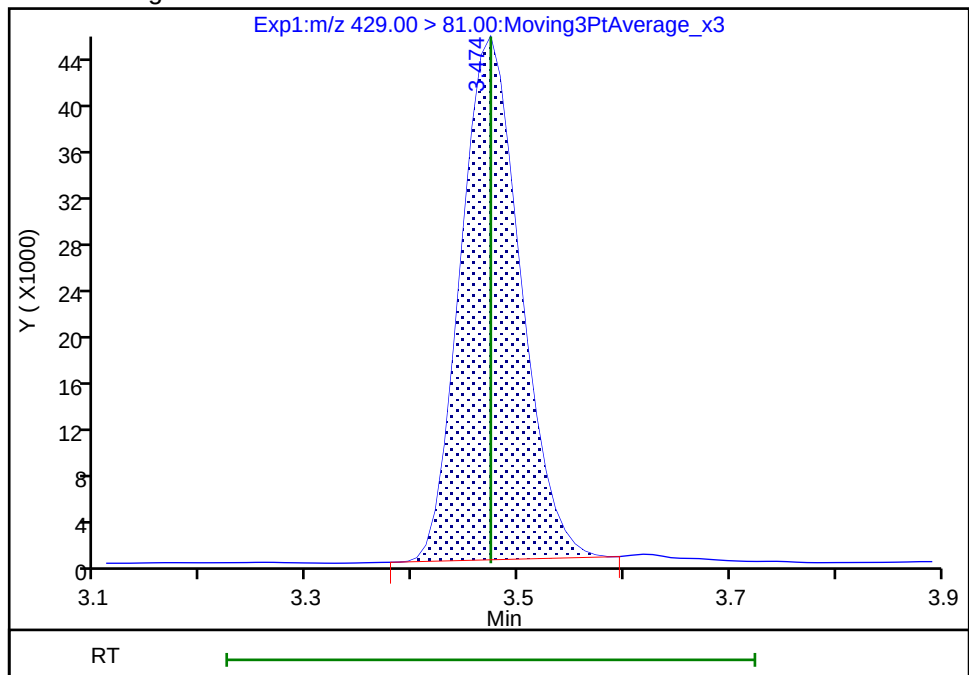
RT: 3.47
Area: 179475
Amount: 1.189435
Amount Units: ng/ml

Processing Integration Results



RT: 3.47
Area: 177168
Amount: 1.185705
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:03:51
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

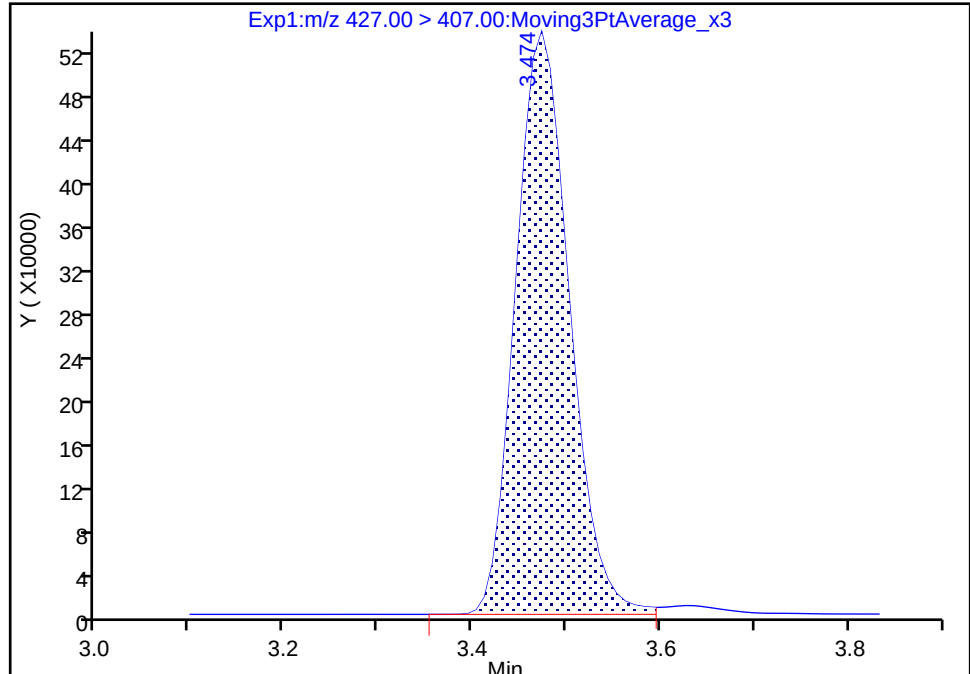
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

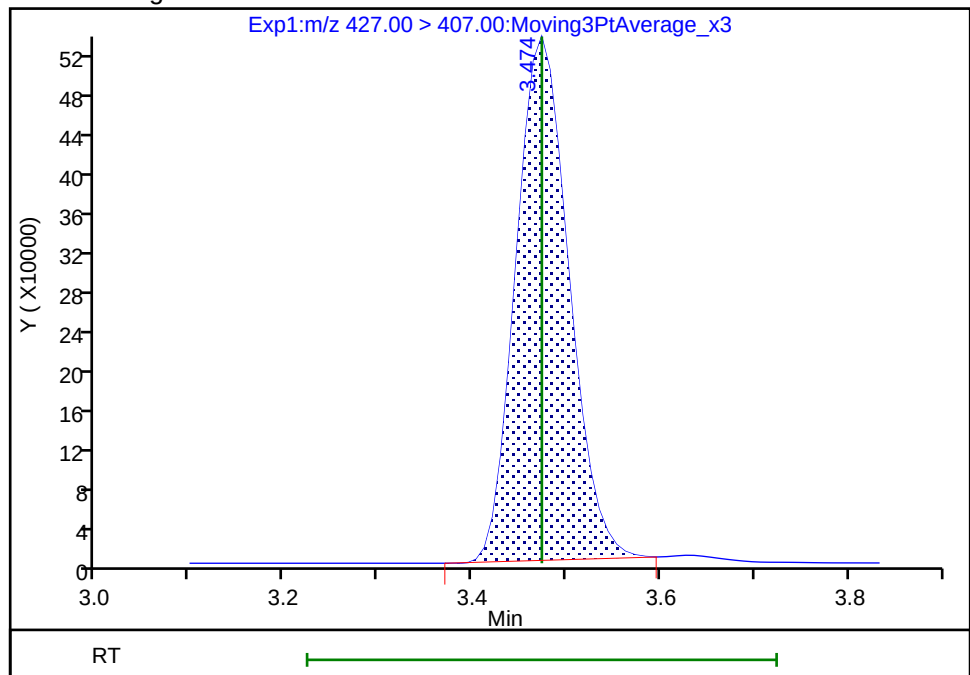
RT: 3.47
Area: 2111693
Amount: 9.551966
Amount Units: ng/ml

Processing Integration Results



RT: 3.47
Area: 2069626
Amount: 9.502882
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:03:56
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

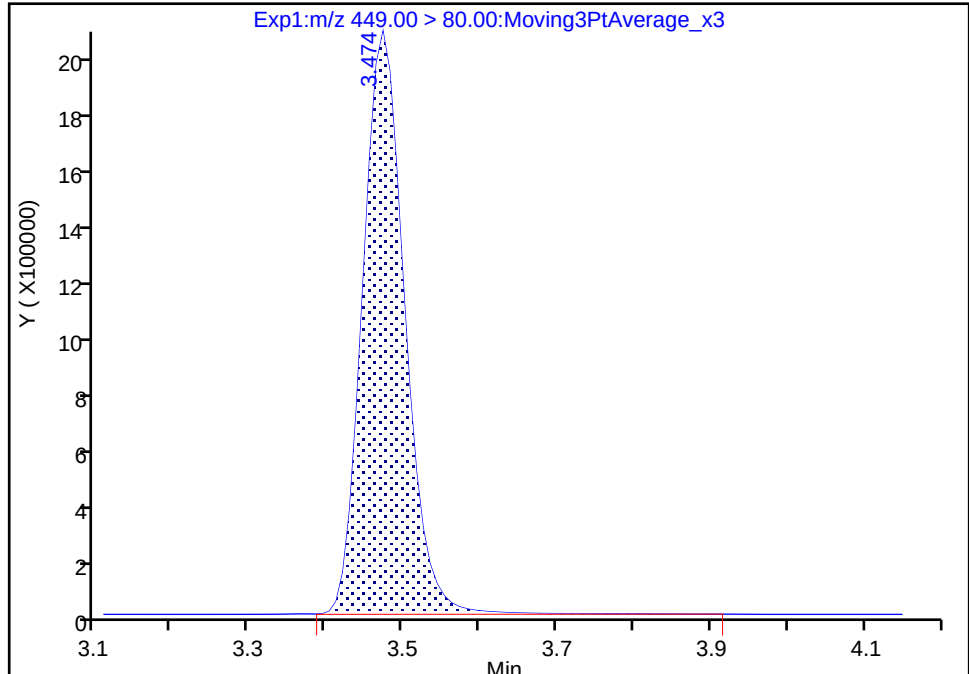
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

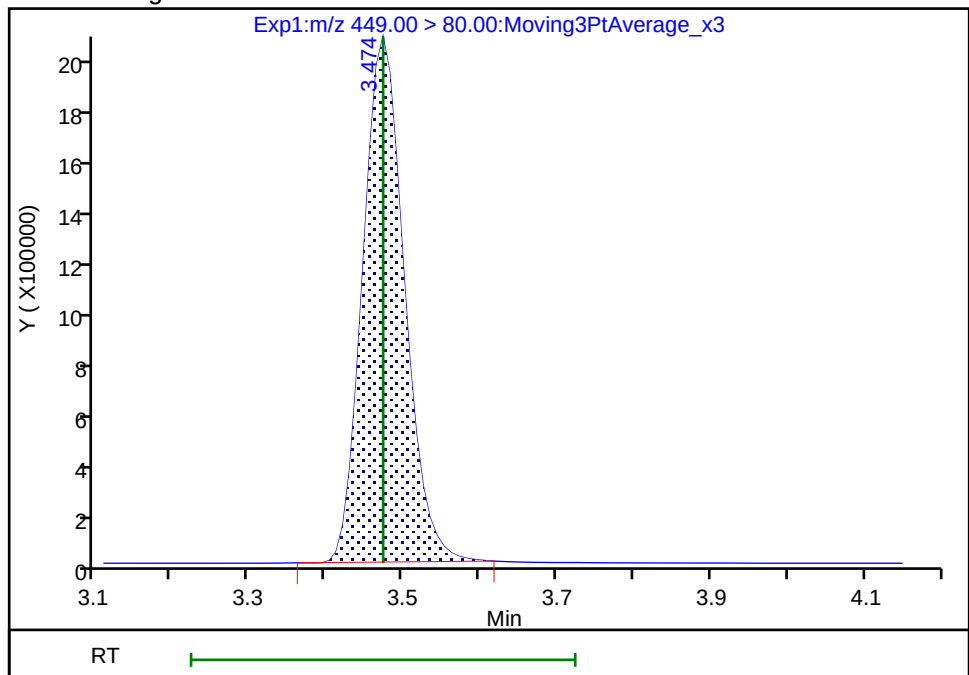
RT: 3.47
Area: 7906161
Amount: 9.256272
Amount Units: ng/ml

Processing Integration Results



RT: 3.47
Area: 7802287
Amount: 9.187550
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:04:01
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

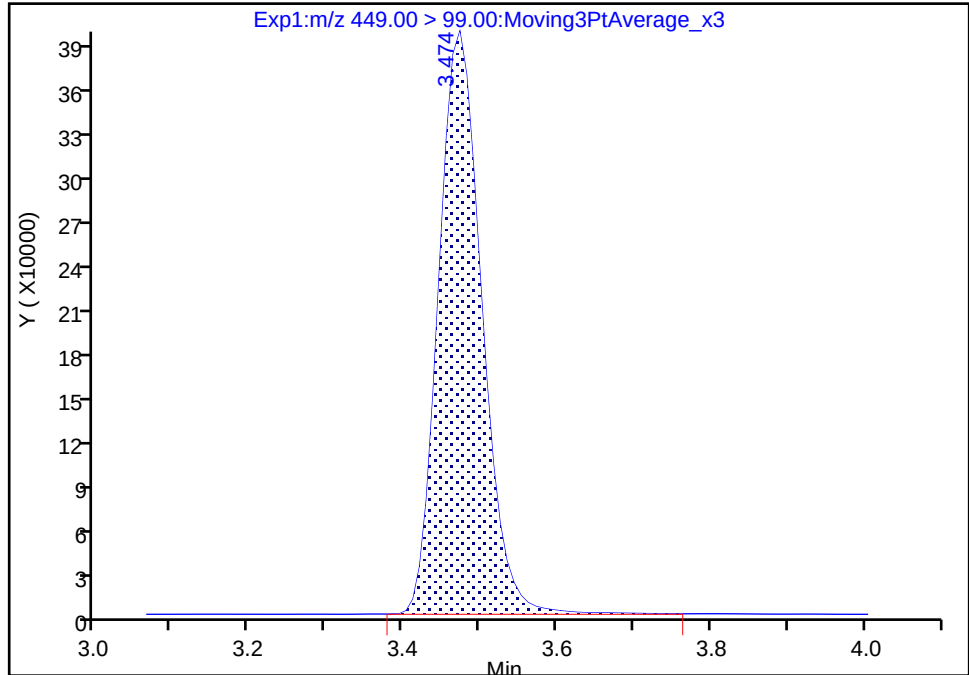
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

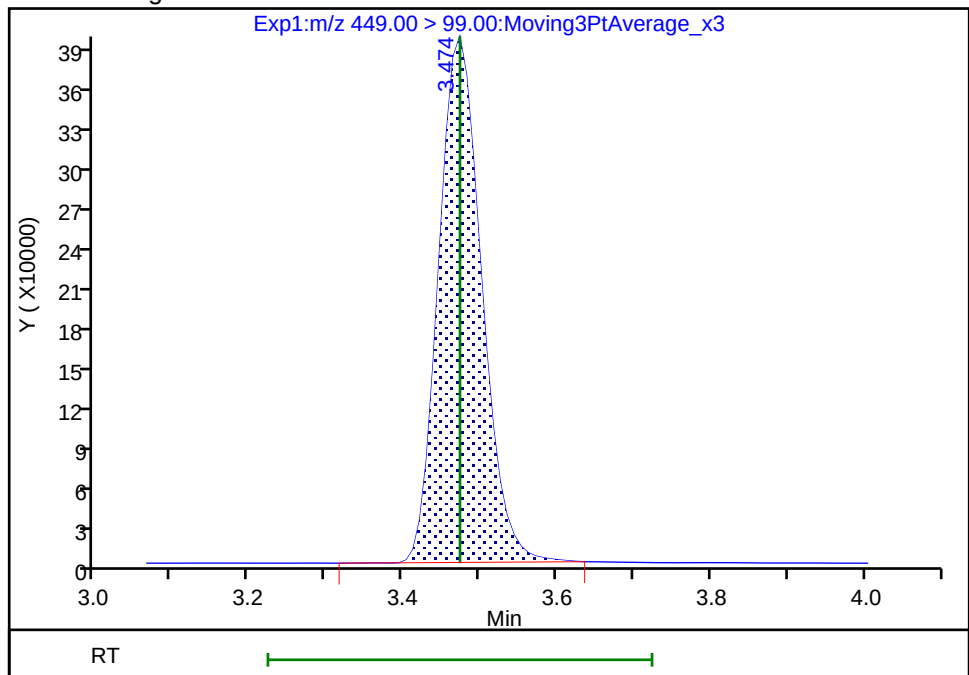
RT: 3.47
Area: 1553203
Amount: 9.256272
Amount Units: ng/ml

Processing Integration Results



RT: 3.47
Area: 1537874
Amount: 9.187550
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:04:05

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

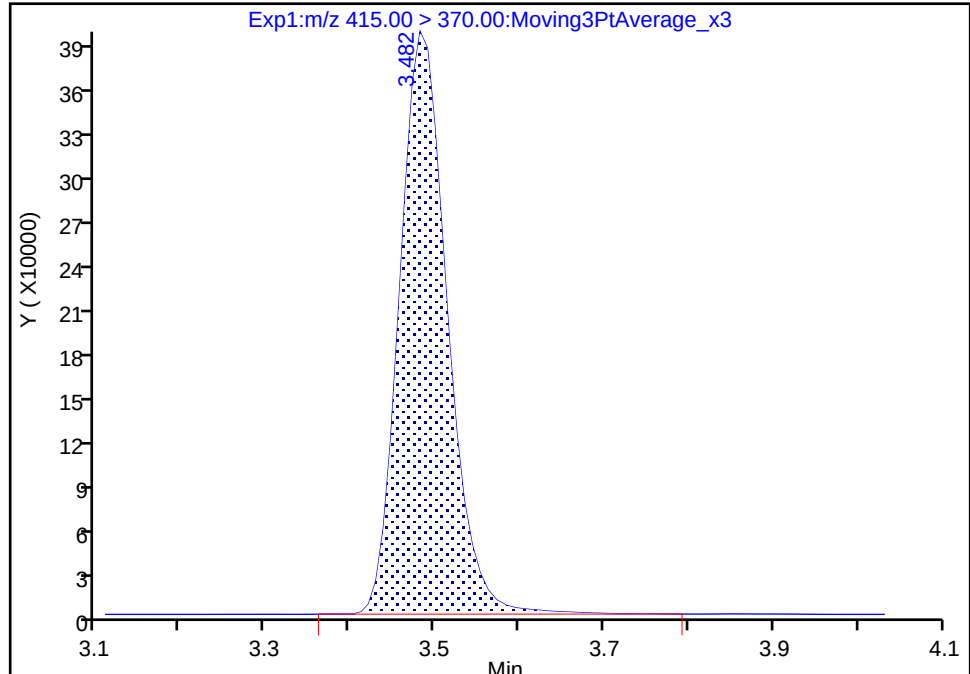
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

* 62 13C2 PFOA, CAS: STL00623

Signal: 1

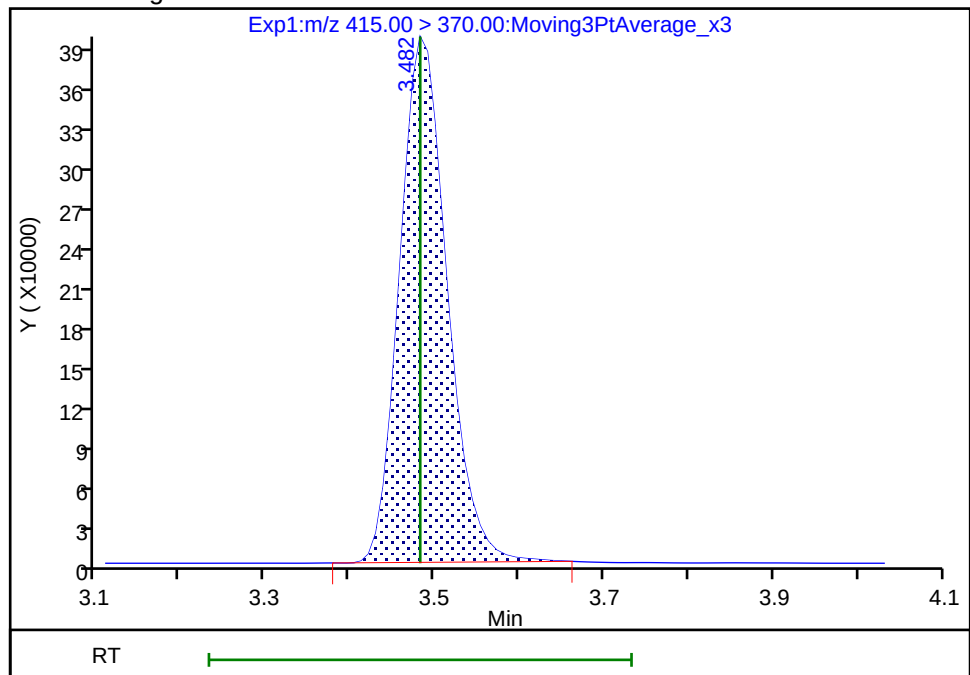
RT: 3.48
Area: 1541689
Amount: 1.250000
Amount Units: ng/ml

Processing Integration Results



RT: 3.48
Area: 1527618
Amount: 1.250000
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:04:45

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

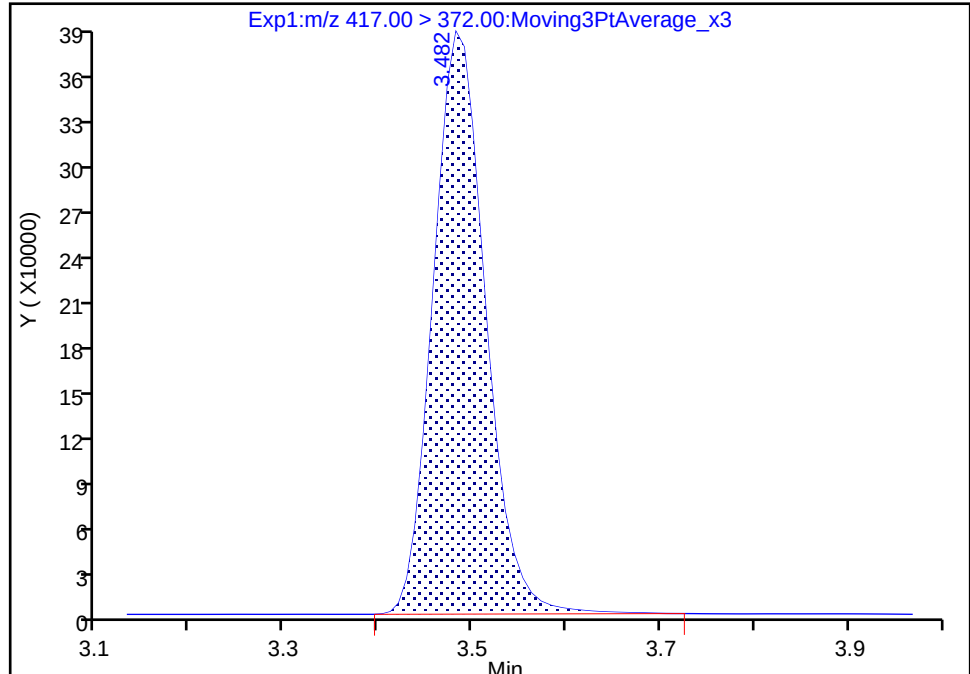
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 14 13C4 PFOA, CAS: STL00990

Signal: 1

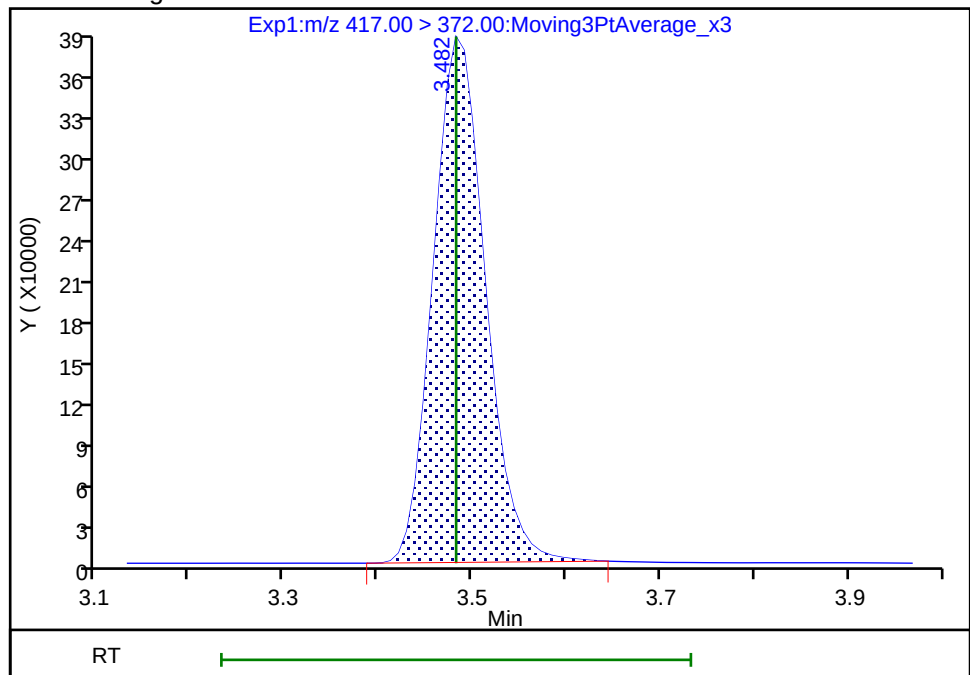
RT: 3.48
Area: 1494730
Amount: 1.272733
Amount Units: ng/ml

Processing Integration Results



RT: 3.48
Area: 1483901
Amount: 1.274740
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:04:30
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

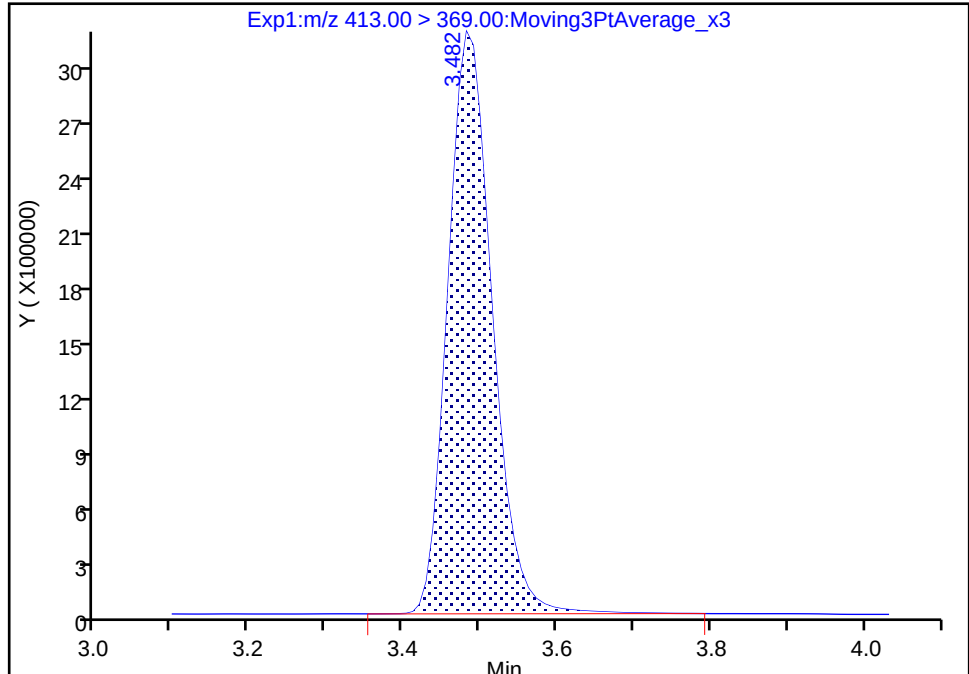
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

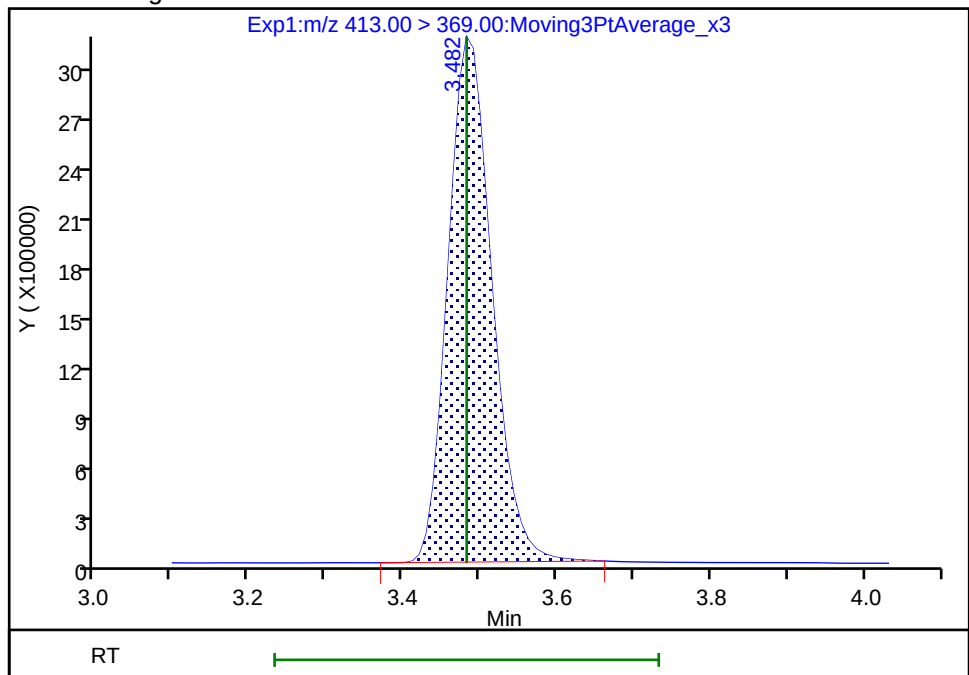
RT: 3.48
Area: 12455190
Amount: 9.285632
Amount Units: ng/ml

Processing Integration Results



RT: 3.48
Area: 12341745
Amount: 9.270895
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:04:12
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

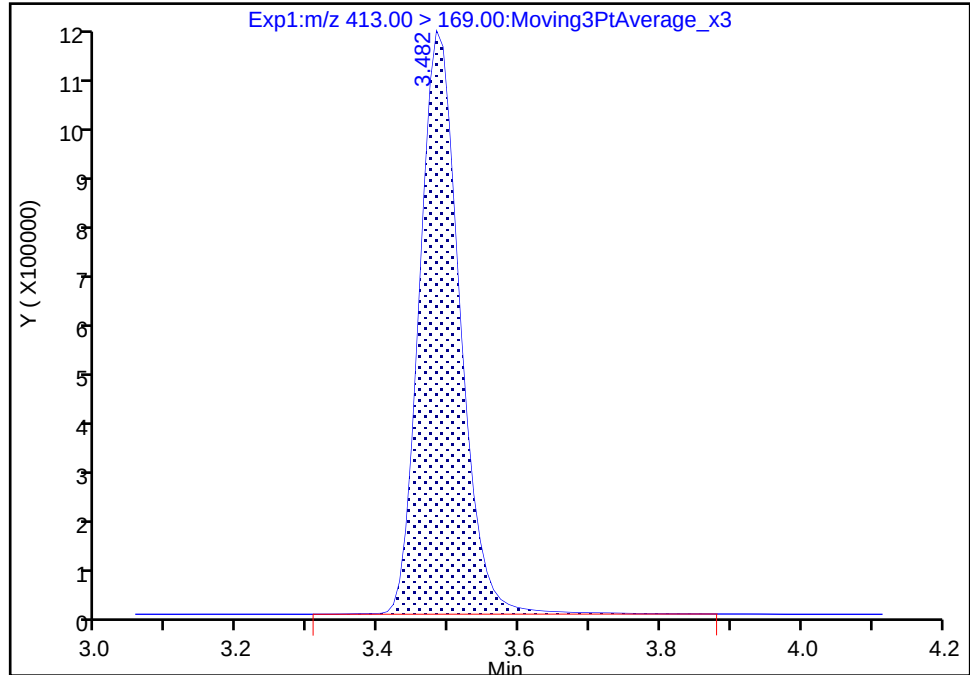
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

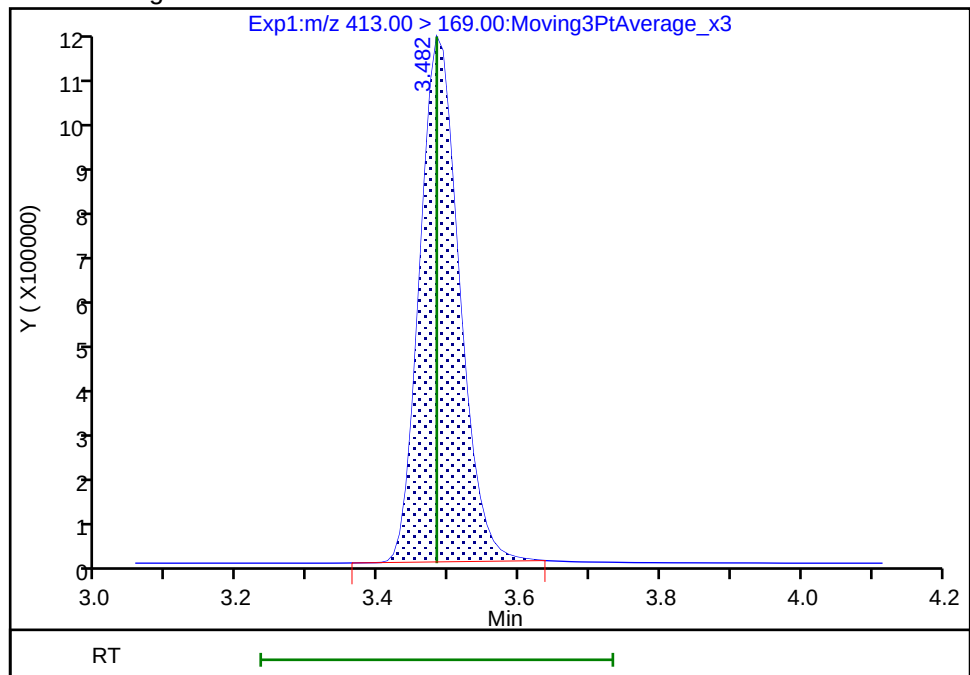
RT: 3.48
Area: 4673670
Amount: 9.285632
Amount Units: ng/ml

Processing Integration Results



RT: 3.48
Area: 4602327
Amount: 9.270895
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:04:15

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

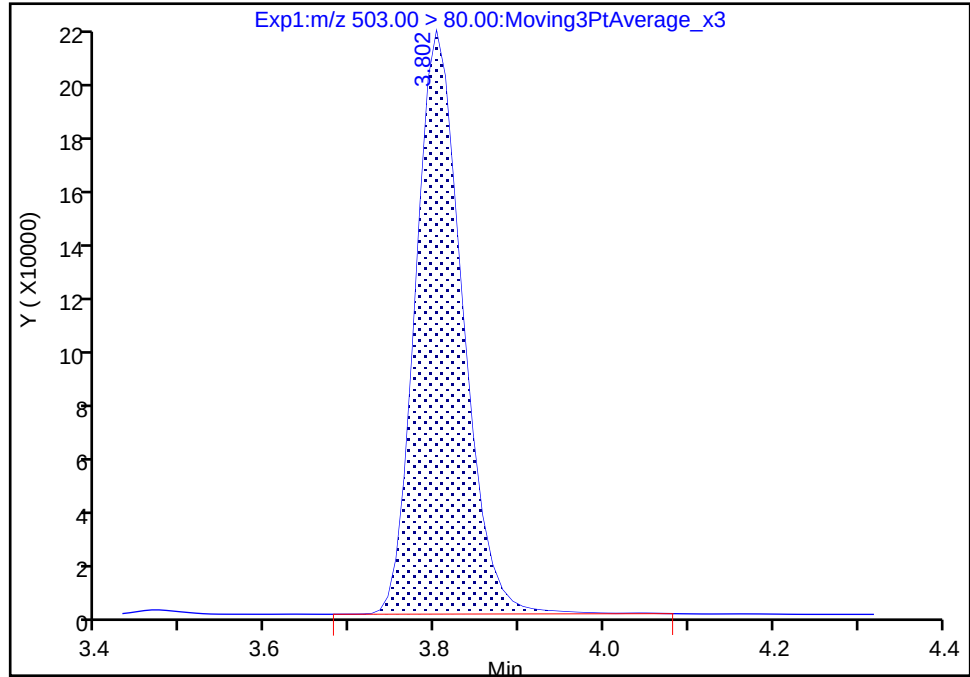
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 18 13C4 PFOS, CAS: STL00991

Signal: 1

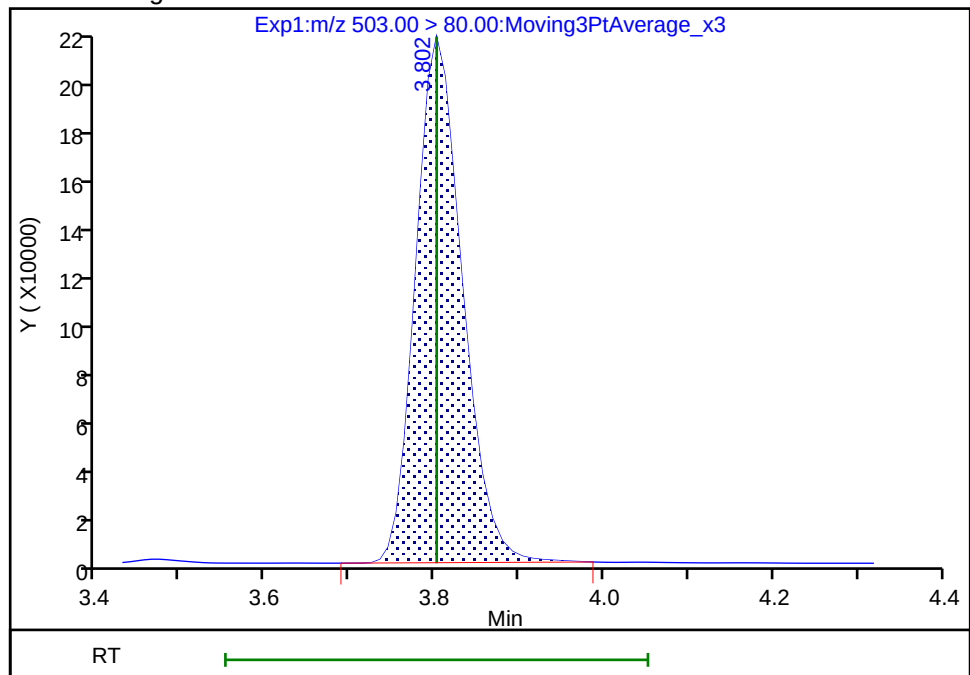
RT: 3.80
Area: 824616
Amount: 1.236112
Amount Units: ng/ml

Processing Integration Results



RT: 3.80
Area: 821046
Amount: 1.231680
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:09:46
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

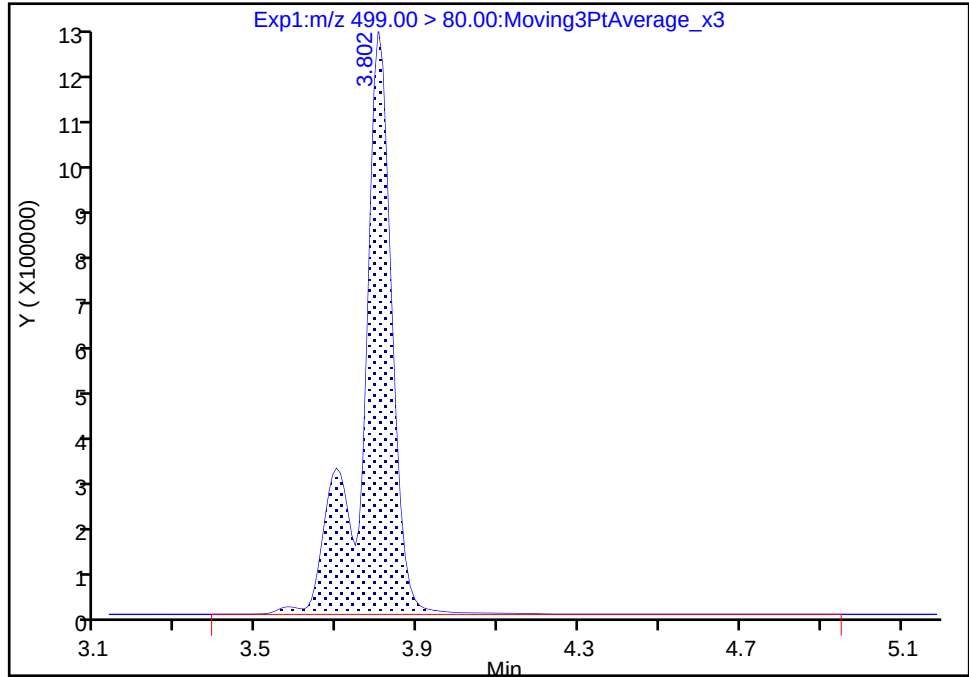
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

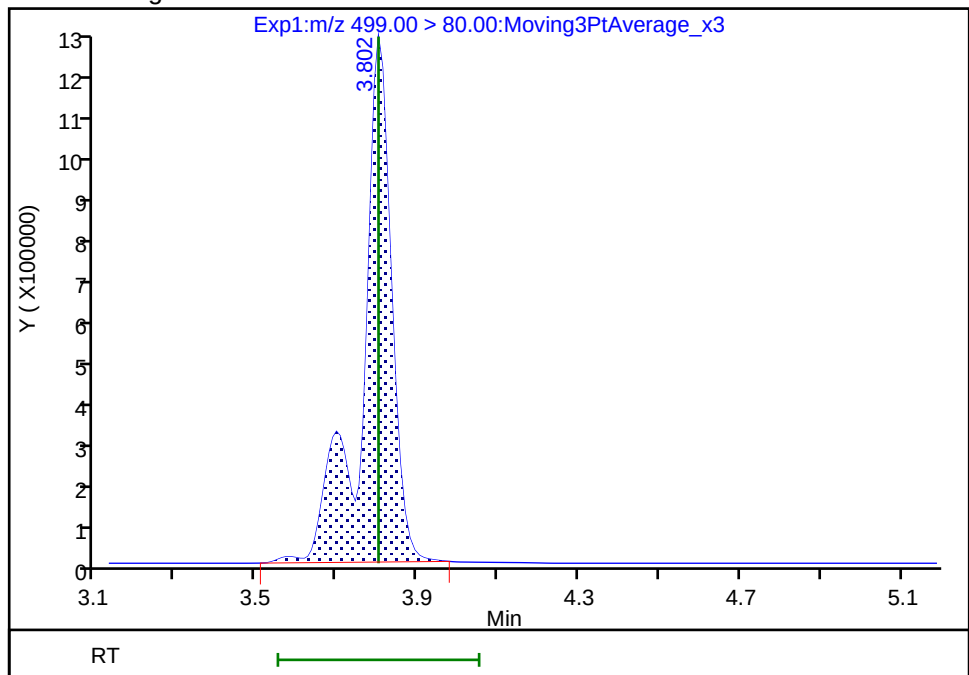
RT: 3.80
Area: 6489973
Amount: 8.493599
Amount Units: ng/ml

Processing Integration Results



RT: 3.80
Area: 6393833
Amount: 9.334770
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:04:50
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

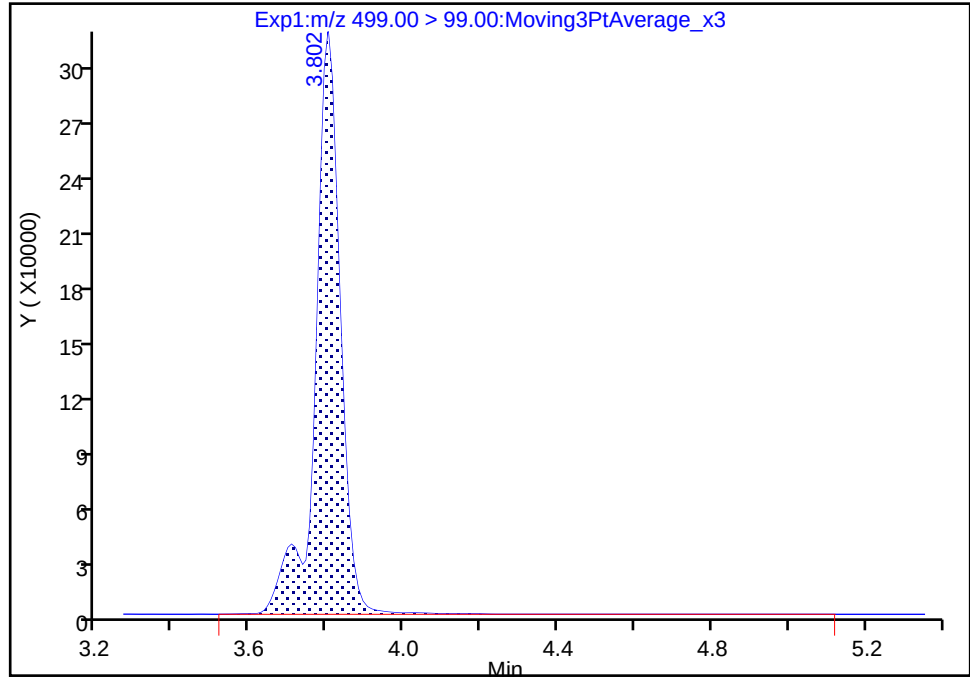
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

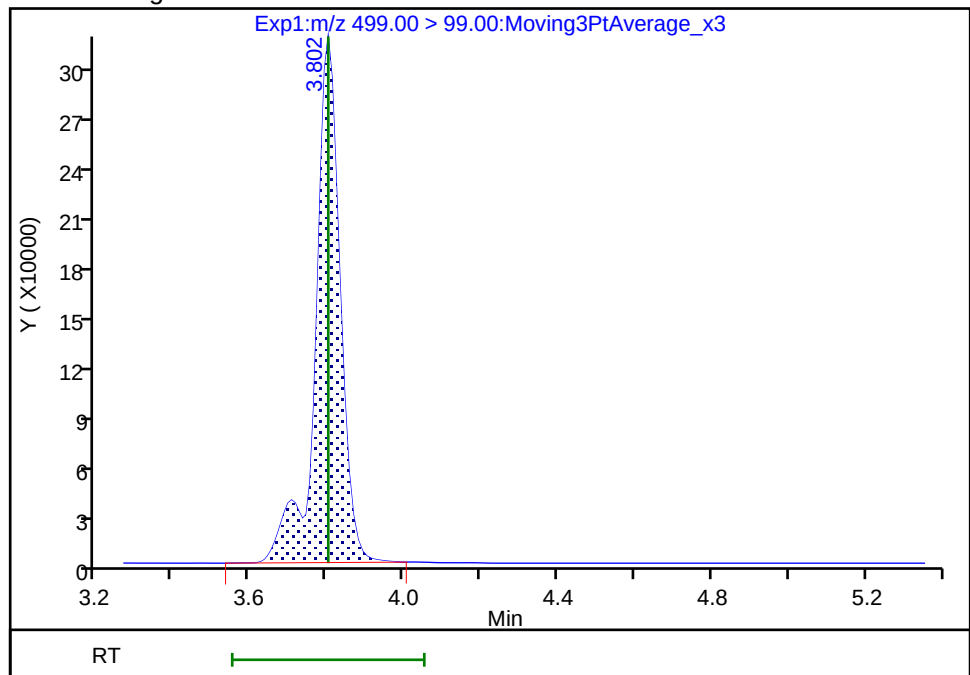
RT: 3.80
Area: 1404238
Amount: 8.493599
Amount Units: ng/ml

Processing Integration Results



RT: 3.80
Area: 1390243
Amount: 9.334770
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:04:56

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

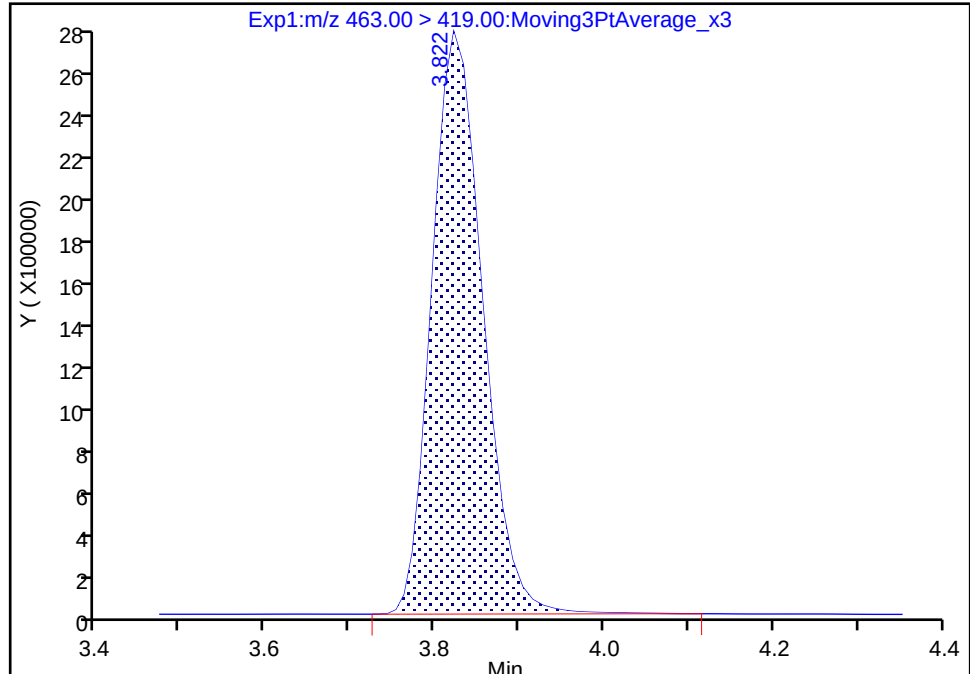
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

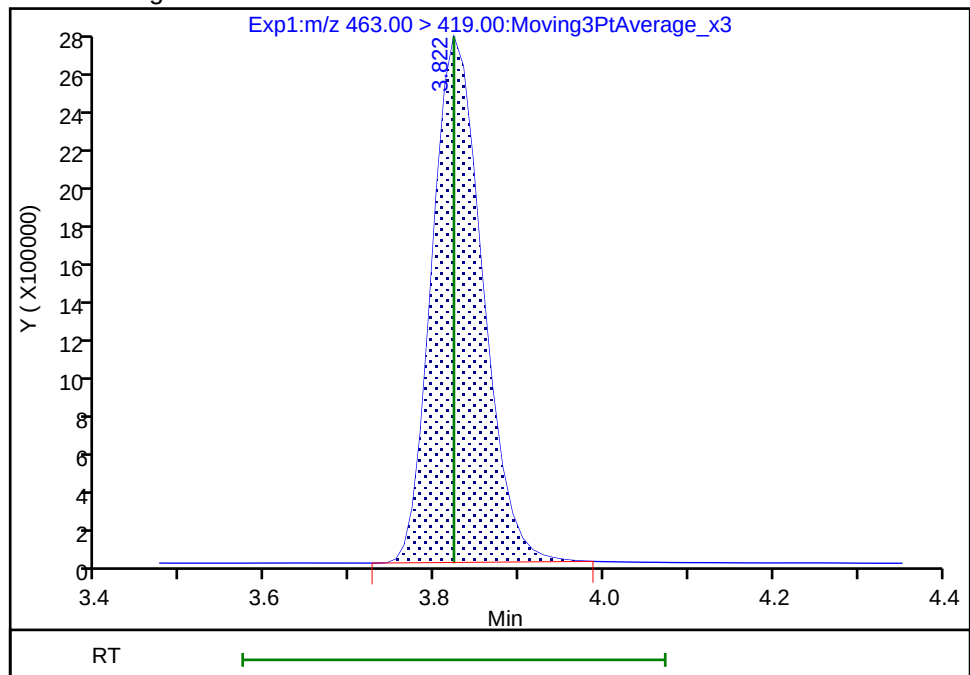
RT: 3.82
Area: 11483914
Amount: 9.473981
Amount Units: ng/ml

Processing Integration Results



RT: 3.82
Area: 11406519
Amount: 9.420156
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:09:52
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

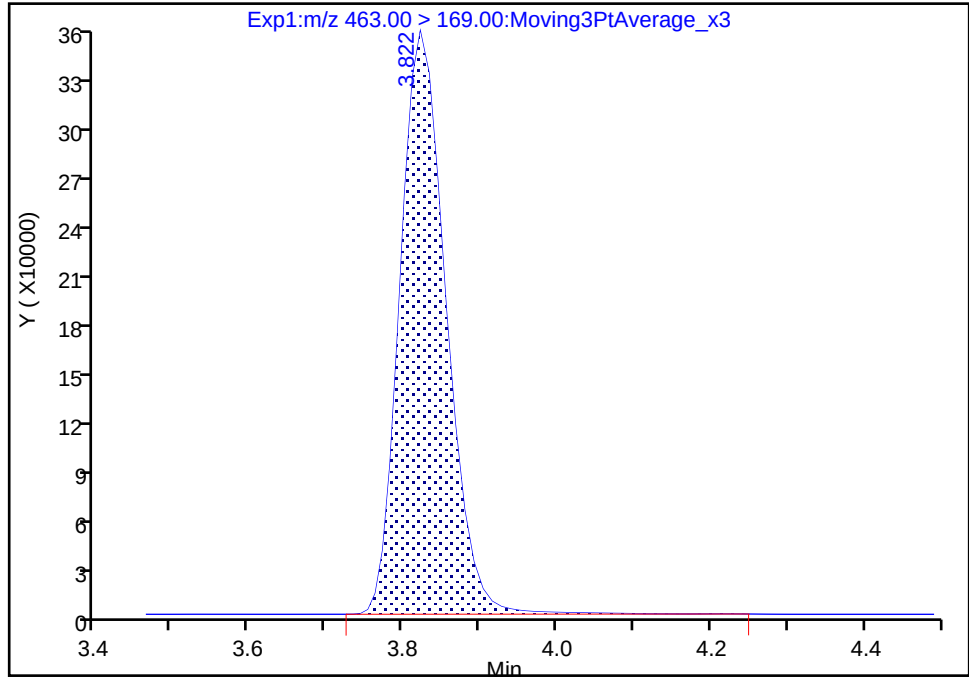
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

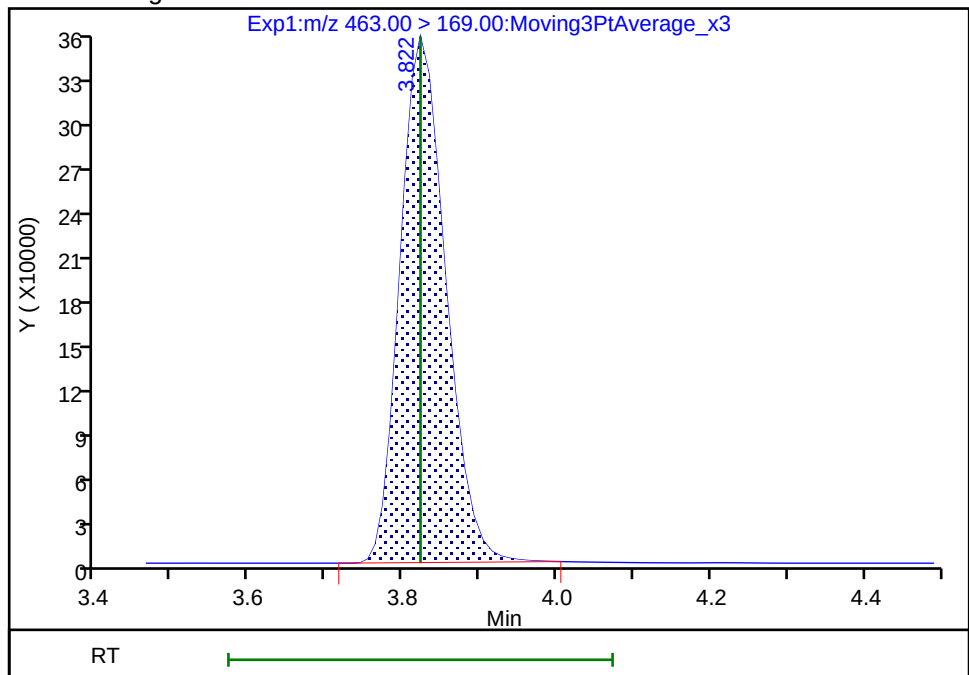
RT: 3.82
Area: 1482641
Amount: 9.473981
Amount Units: ng/ml

Processing Integration Results



RT: 3.82
Area: 1469986
Amount: 9.420156
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:09:56

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

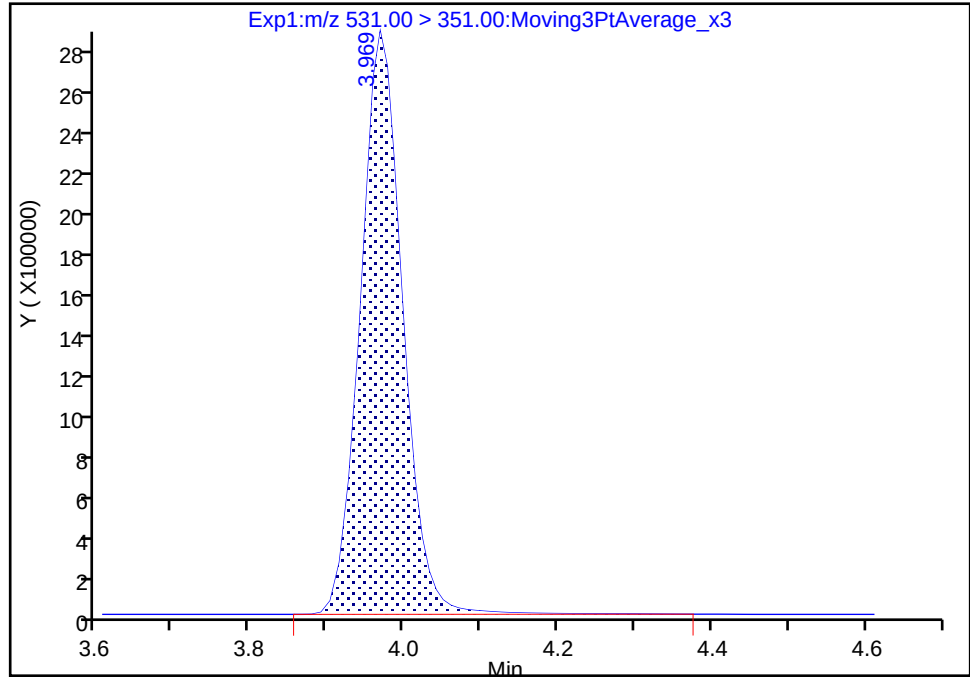
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

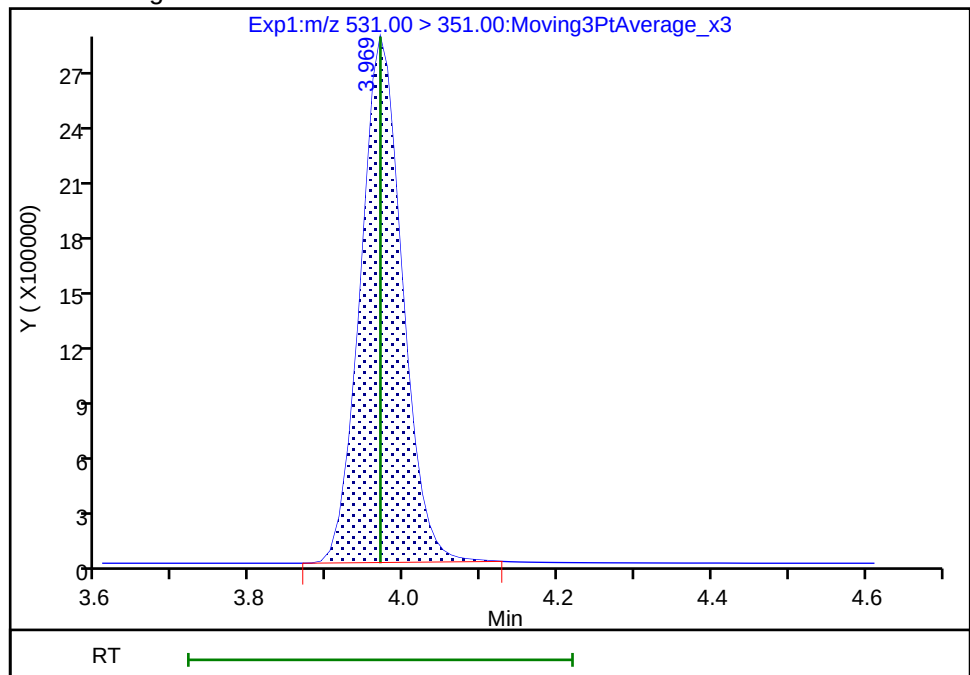
RT: 3.97
Area: 10935442
Amount: 8.994955
Amount Units: ng/ml

Processing Integration Results



RT: 3.97
Area: 10822143
Amount: 8.916621
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:10:02
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

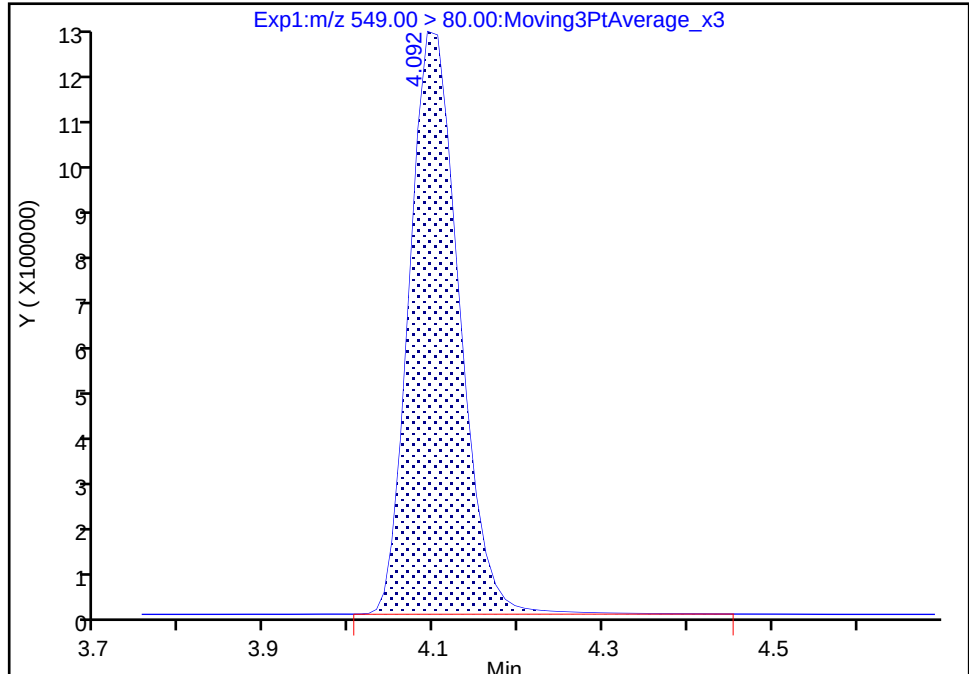
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 1

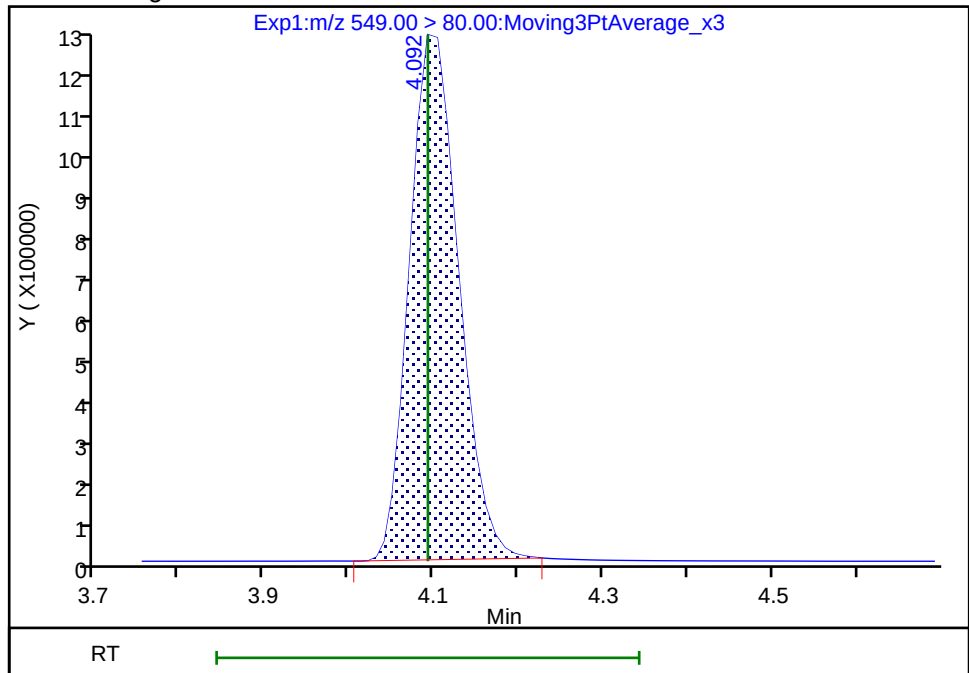
RT: 4.09
Area: 4999400
Amount: 9.271245
Amount Units: ng/ml

Processing Integration Results



RT: 4.09
Area: 4925638
Amount: 9.156200
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:10:08
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

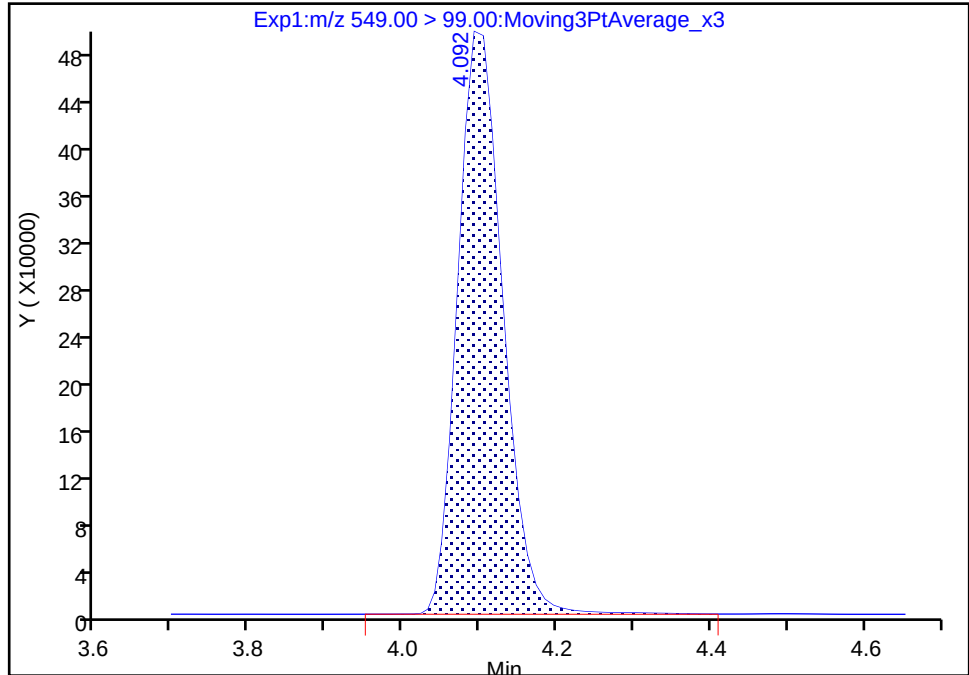
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 2

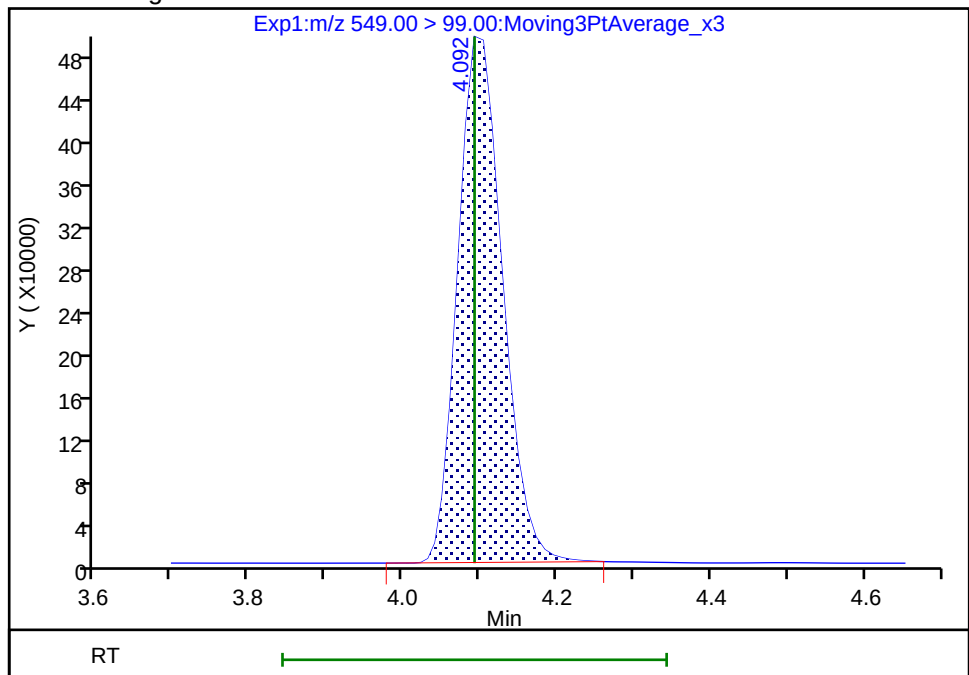
RT: 4.09
Area: 2027098
Amount: 9.271245
Amount Units: ng/ml

Processing Integration Results



RT: 4.09
Area: 2007966
Amount: 9.156200
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:10:11

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

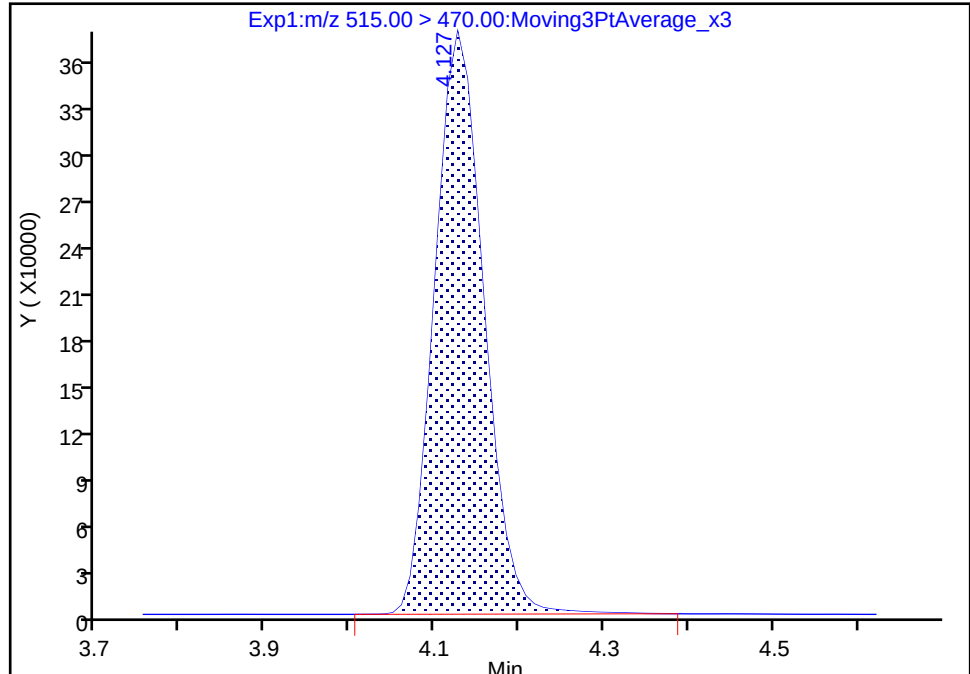
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 23 13C2 PFDA, CAS: STL00996

Signal: 1

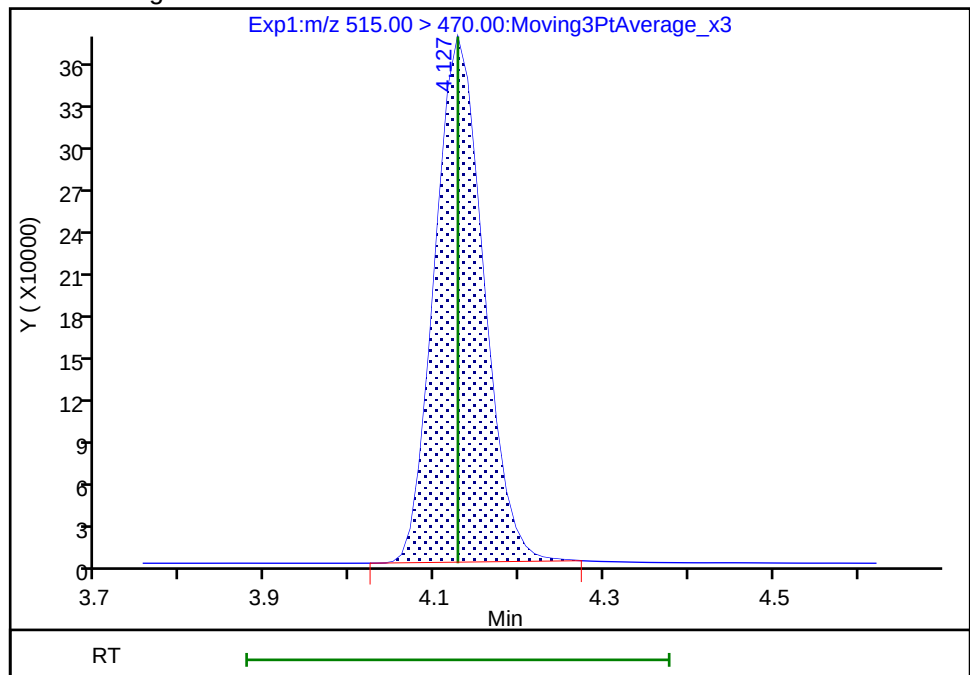
RT: 4.13
Area: 1494393
Amount: 1.268365
Amount Units: ng/ml

Processing Integration Results



RT: 4.13
Area: 1479189
Amount: 1.257624
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:11:56

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

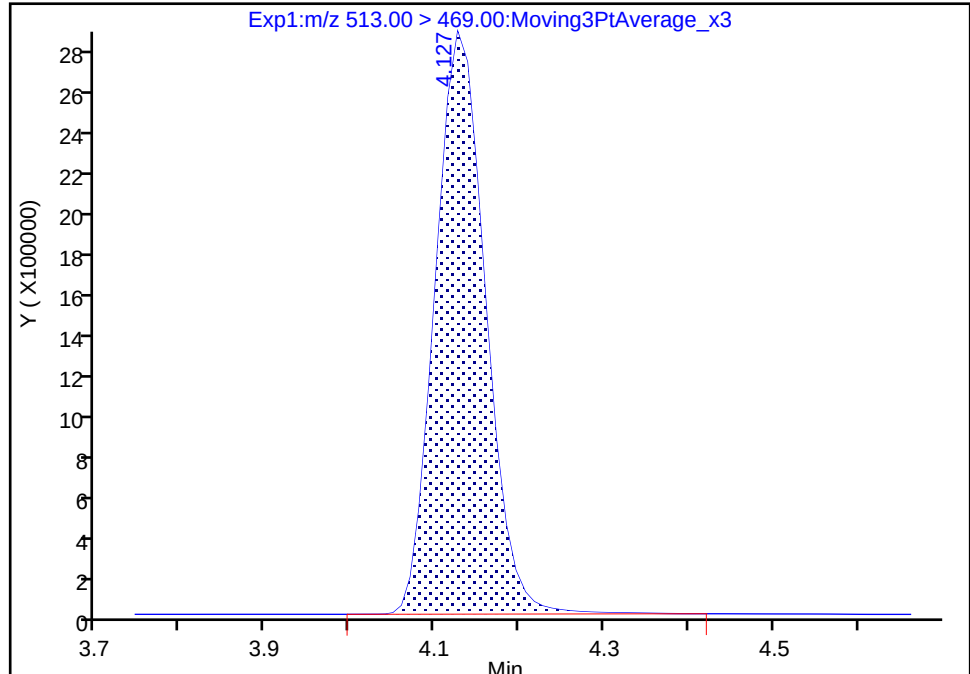
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

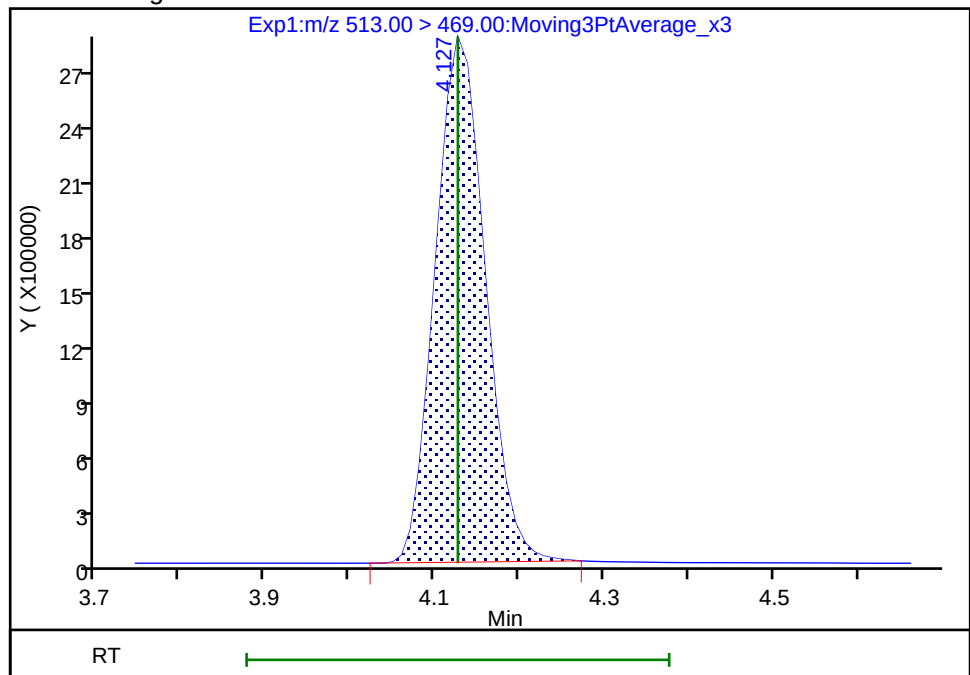
RT: 4.13
Area: 11622772
Amount: 9.244954
Amount Units: ng/ml

Processing Integration Results



RT: 4.13
Area: 11511562
Amount: 9.249739
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:10:21
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

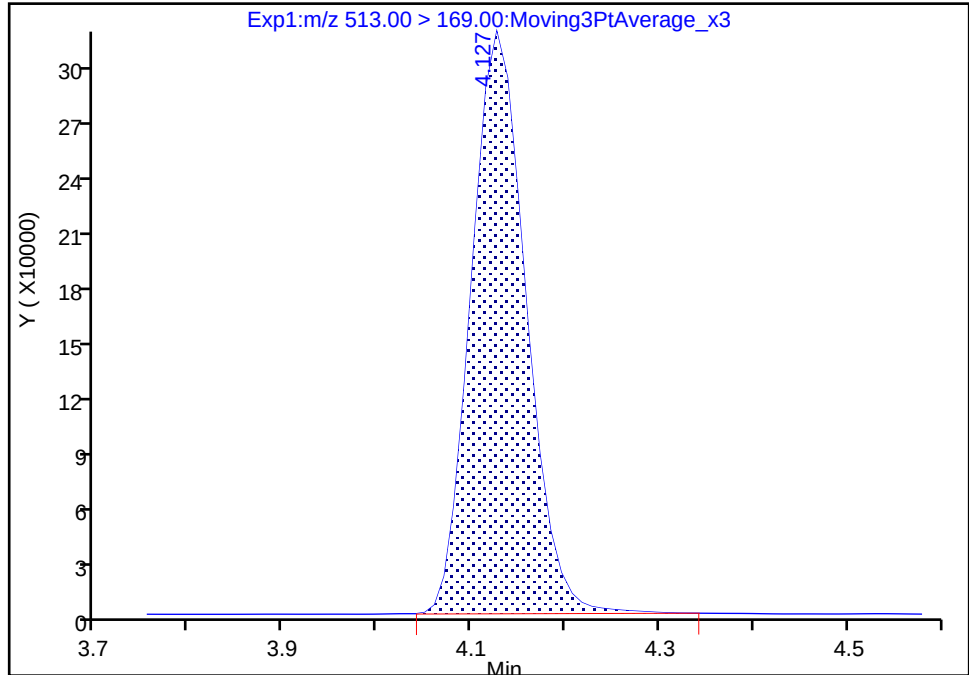
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

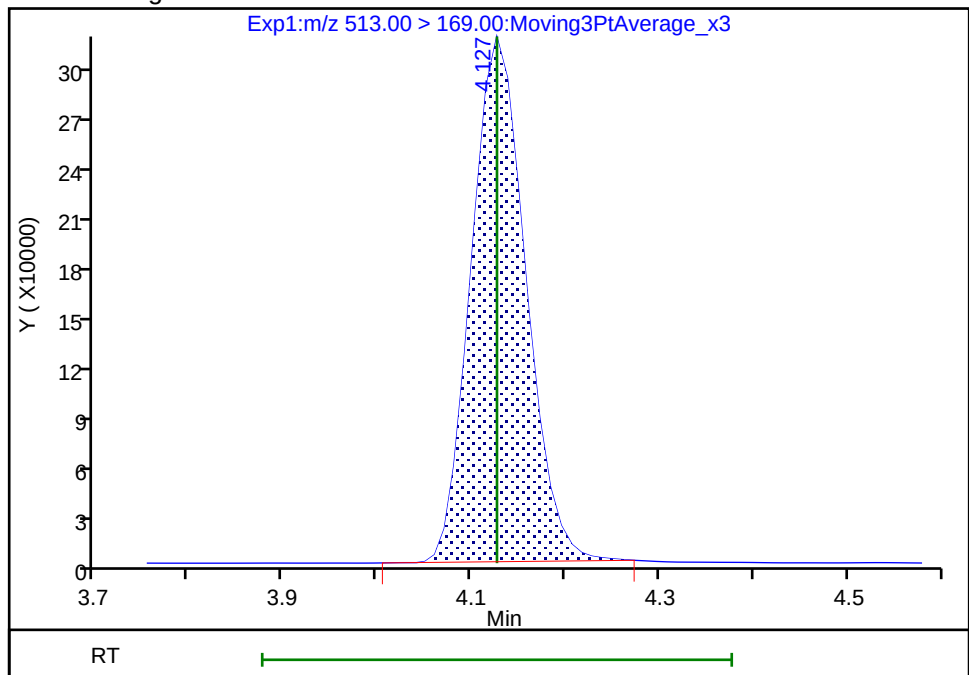
RT: 4.13
Area: 1264074
Amount: 9.244954
Amount Units: ng/ml

Processing Integration Results



RT: 4.13
Area: 1252336
Amount: 9.249739
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:10:24

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

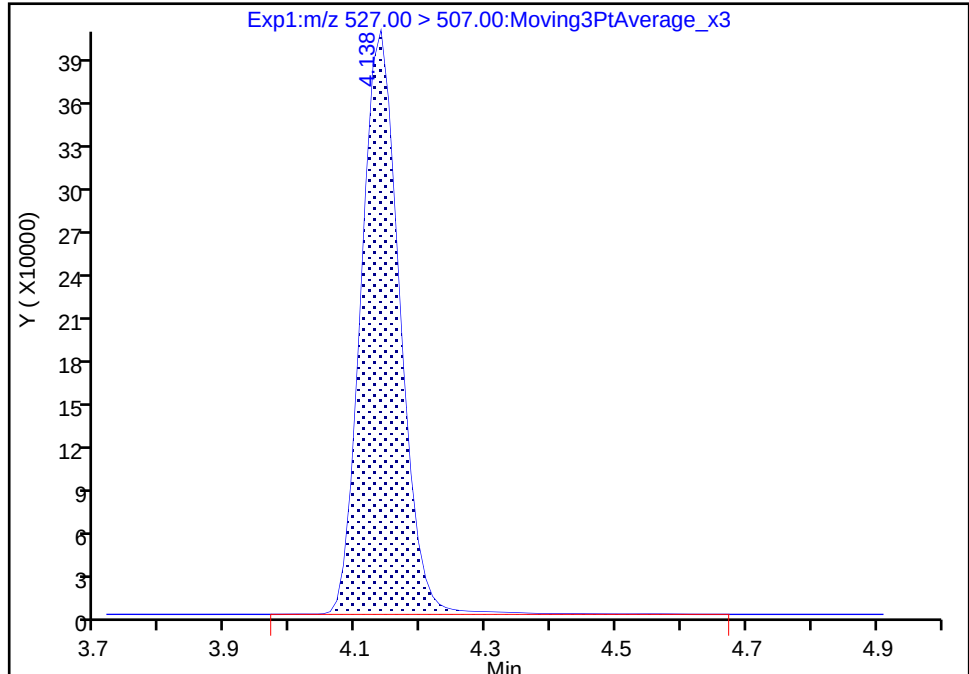
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

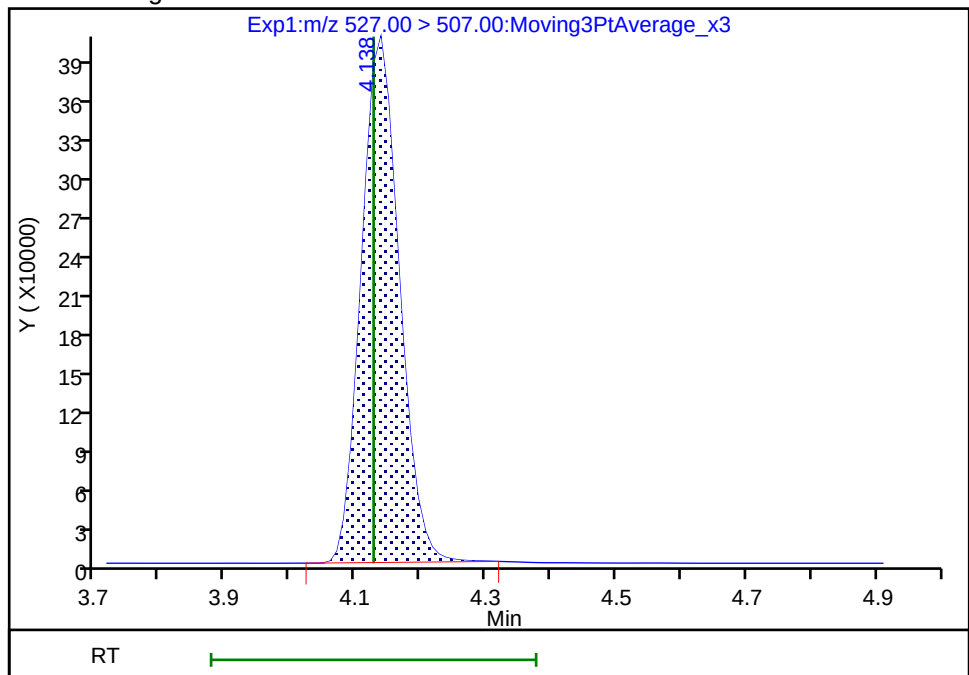
RT: 4.14
Area: 1644937
Amount: 9.183081
Amount Units: ng/ml

Processing Integration Results



RT: 4.14
Area: 1625337
Amount: 9.090967
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:10:16
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

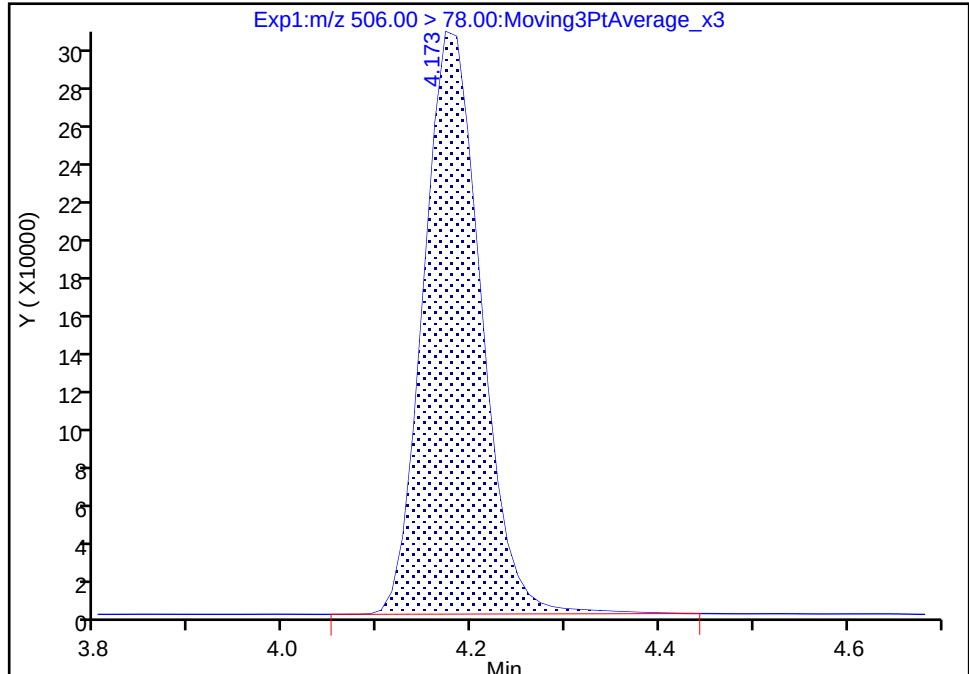
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

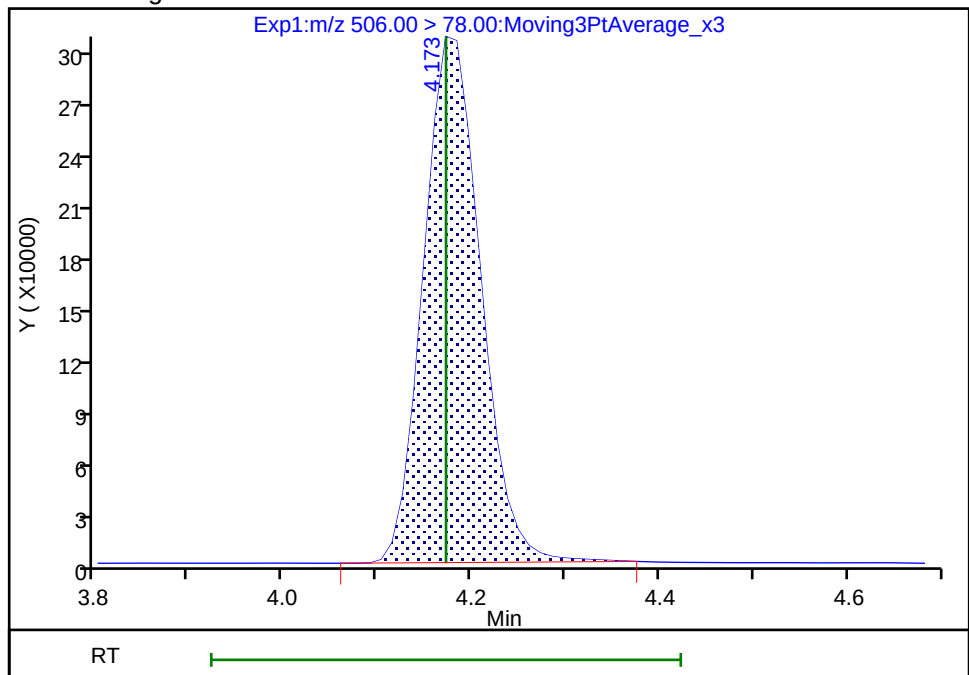
RT: 4.17
Area: 1297764
Amount: 1.259461
Amount Units: ng/ml

Processing Integration Results



RT: 4.17
Area: 1290314
Amount: 1.253439
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:12:20
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

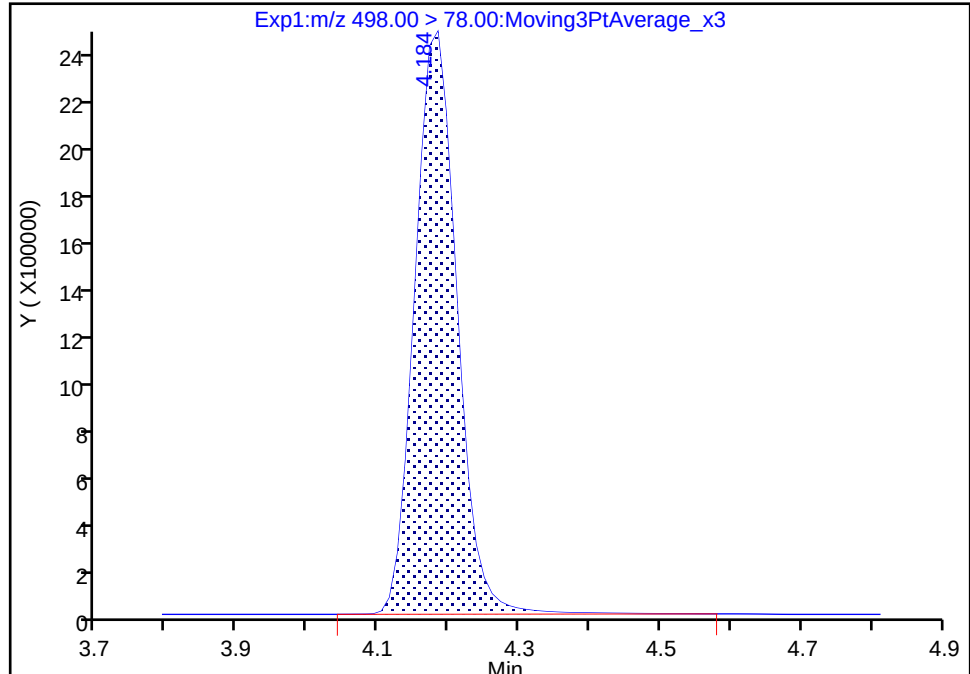
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

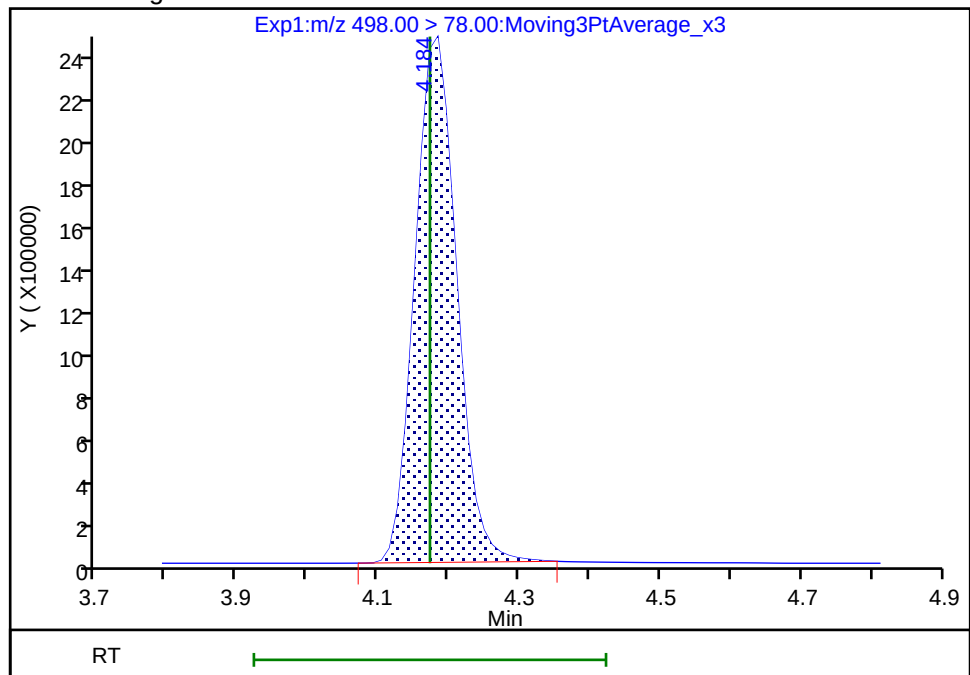
RT: 4.18
Area: 10281607
Amount: 9.758580
Amount Units: ng/ml

Processing Integration Results



RT: 4.18
Area: 10178171
Amount: 9.676238
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:12:26
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

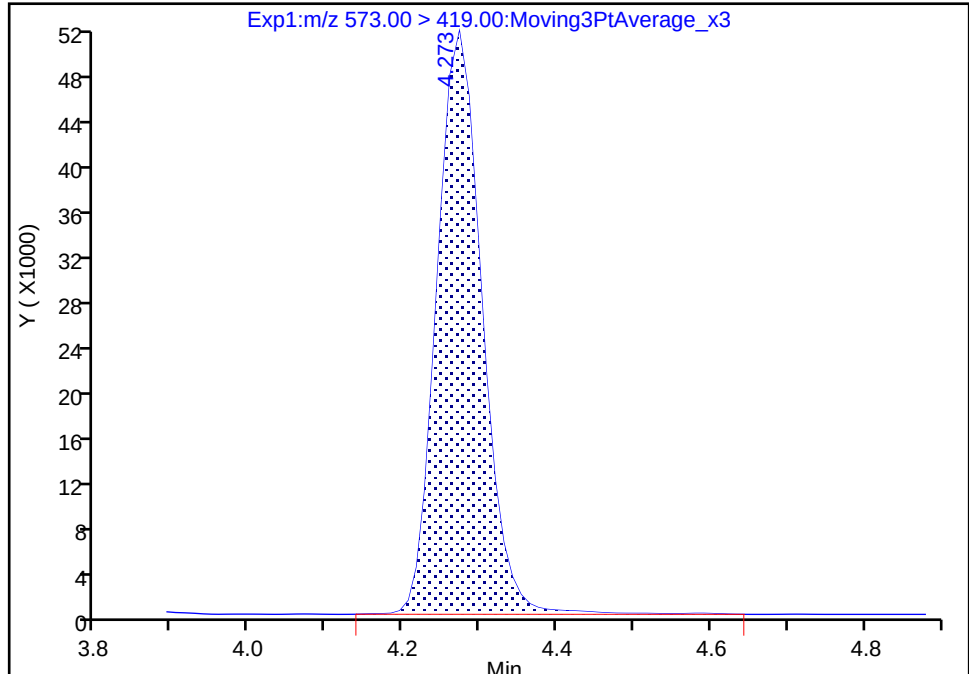
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

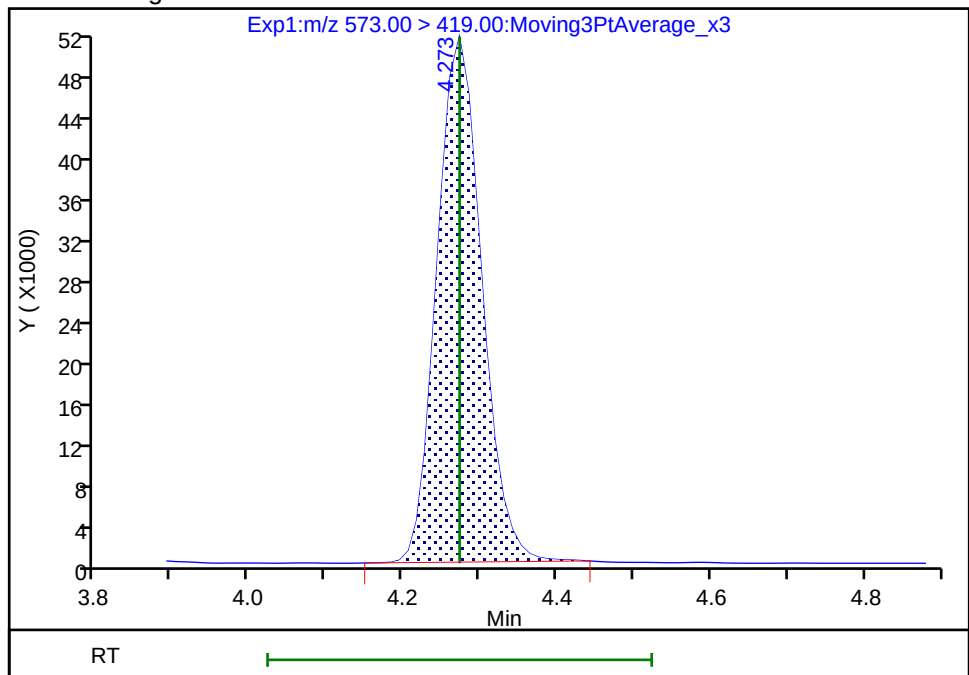
RT: 4.27
Area: 211365
Amount: 1.337402
Amount Units: ng/ml

Processing Integration Results



RT: 4.27
Area: 208390
Amount: 1.321895
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:12:37

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

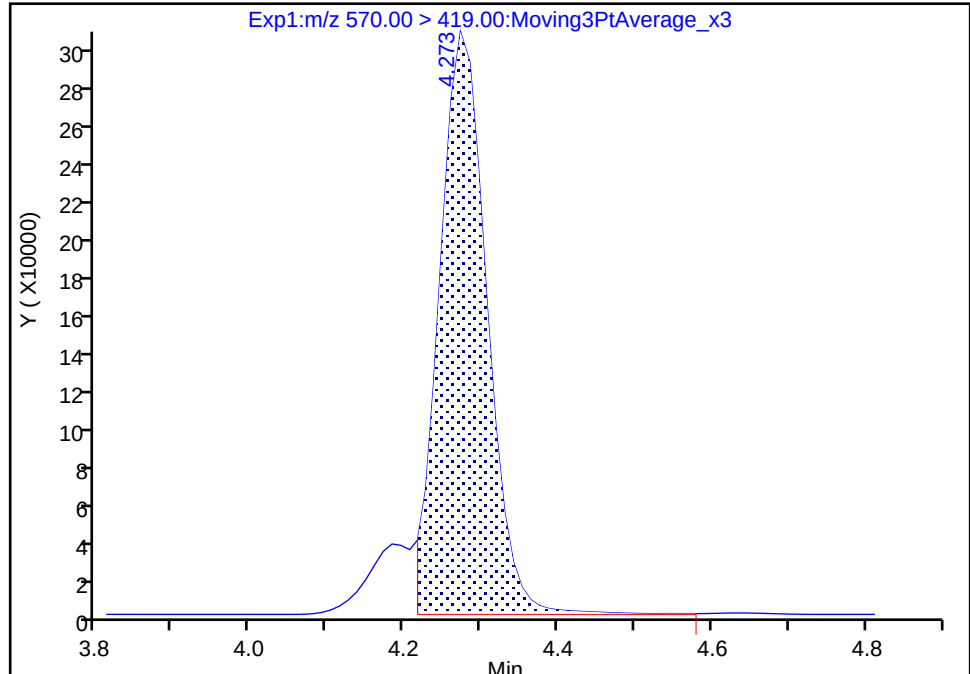
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

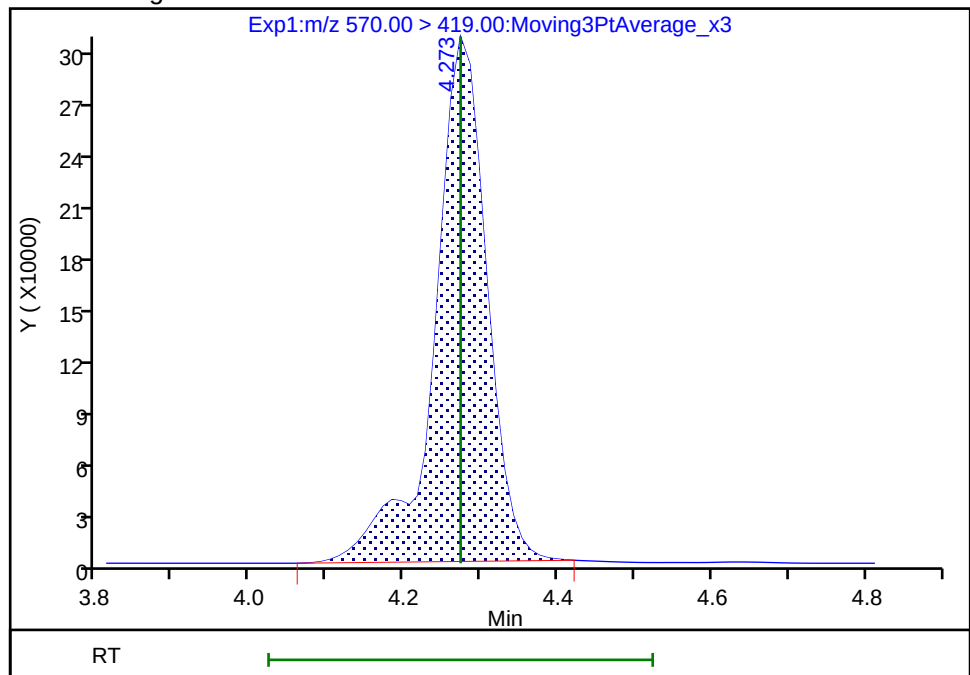
RT: 4.27
Area: 1329074
Amount: 9.003098
Amount Units: ng/ml

Processing Integration Results



RT: 4.27
Area: 1461120
Amount: 9.868512
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:12:30
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

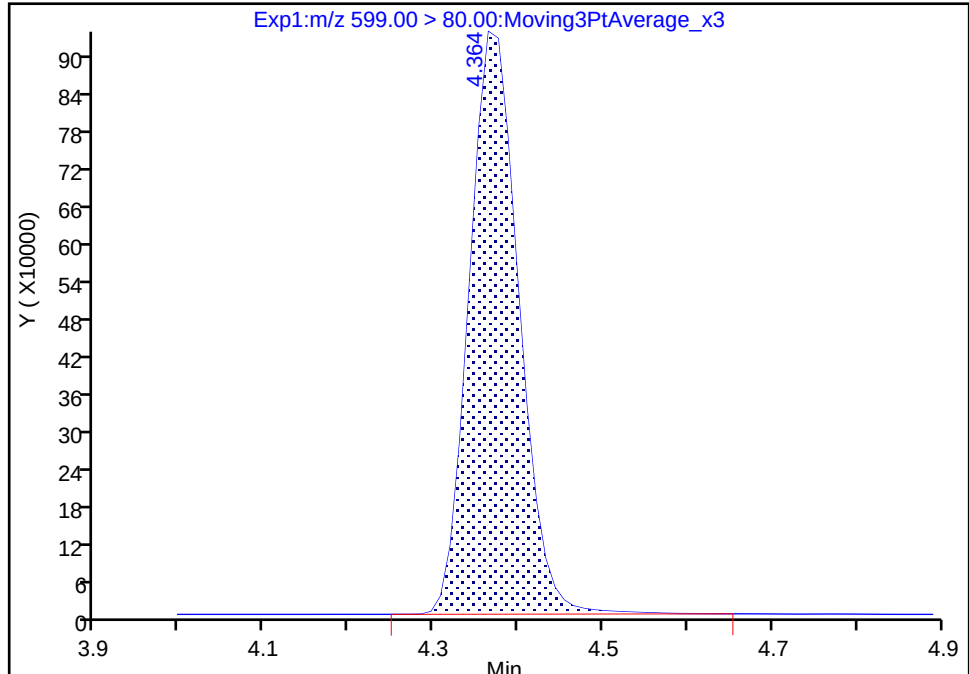
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

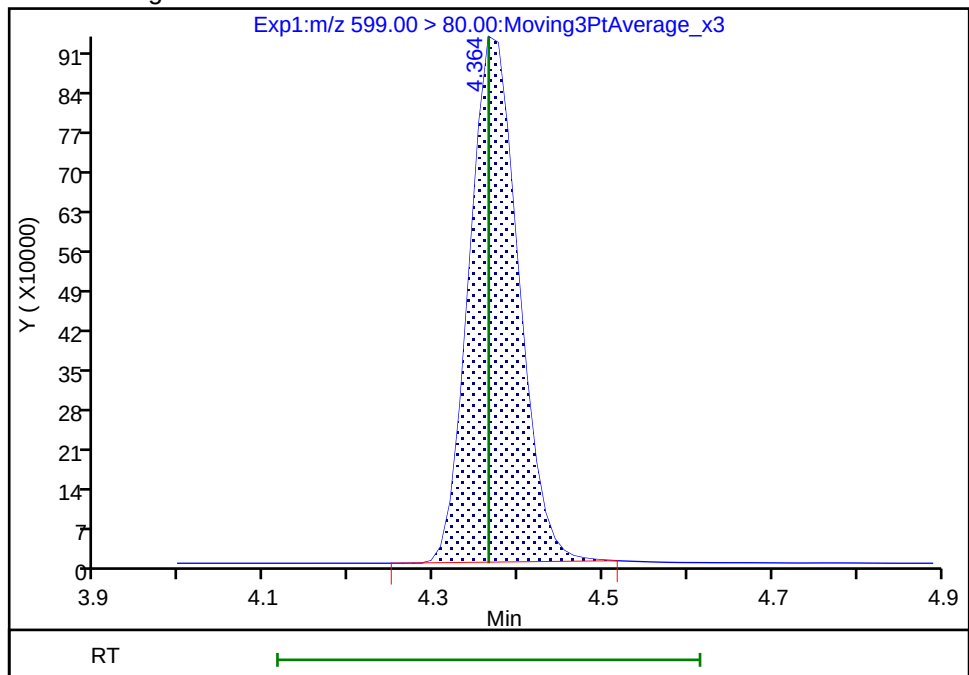
RT: 4.36
Area: 3793904
Amount: 9.460528
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 3753346
Amount: 9.375786
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:12:41
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

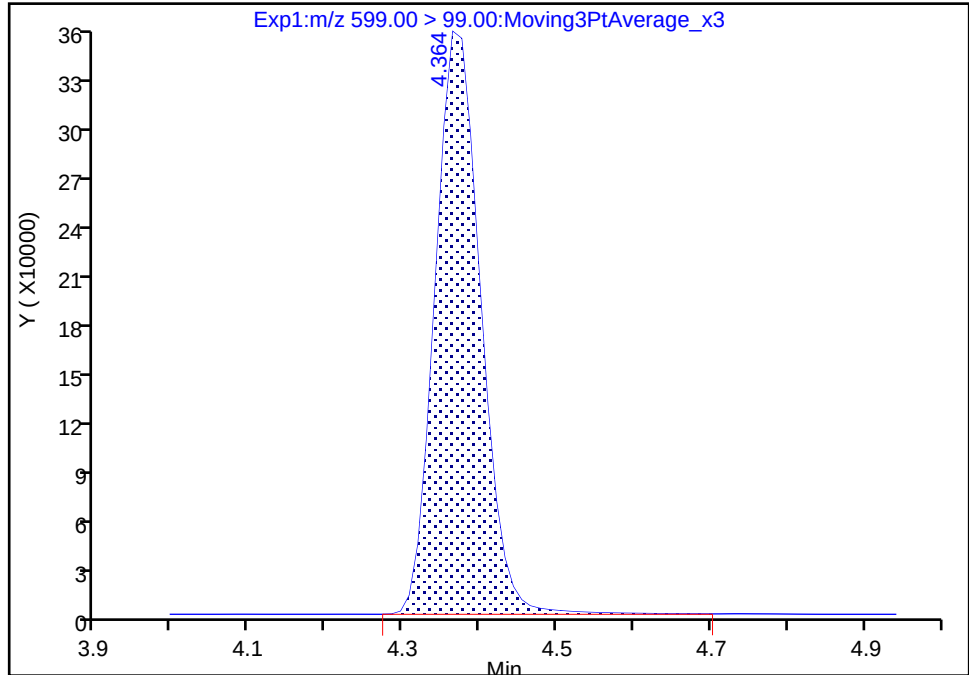
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

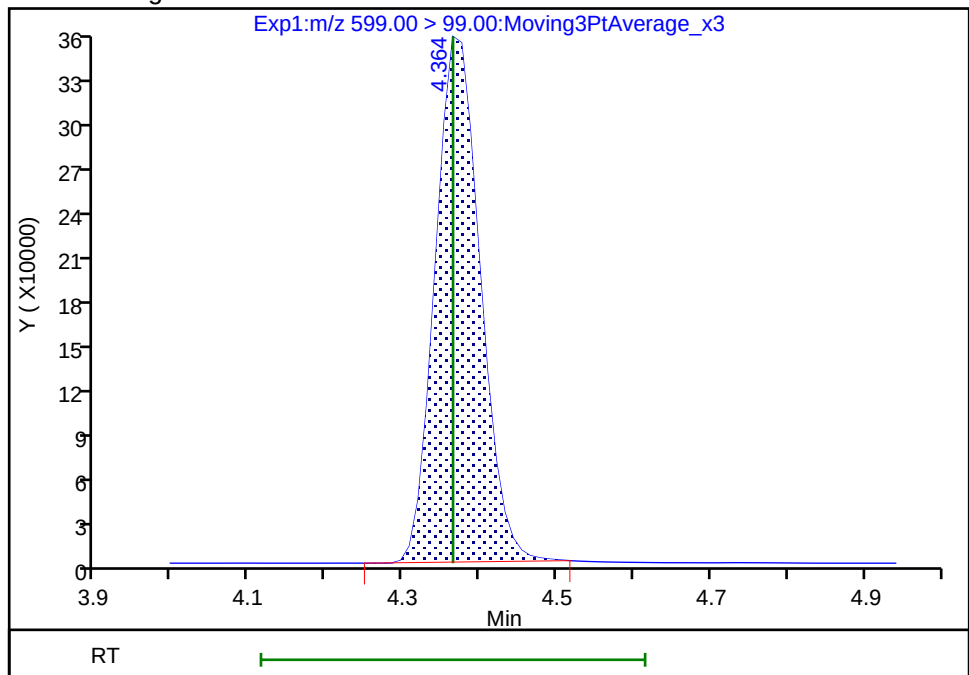
RT: 4.36
Area: 1460435
Amount: 9.460528
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 1439627
Amount: 9.375786
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:12:45

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

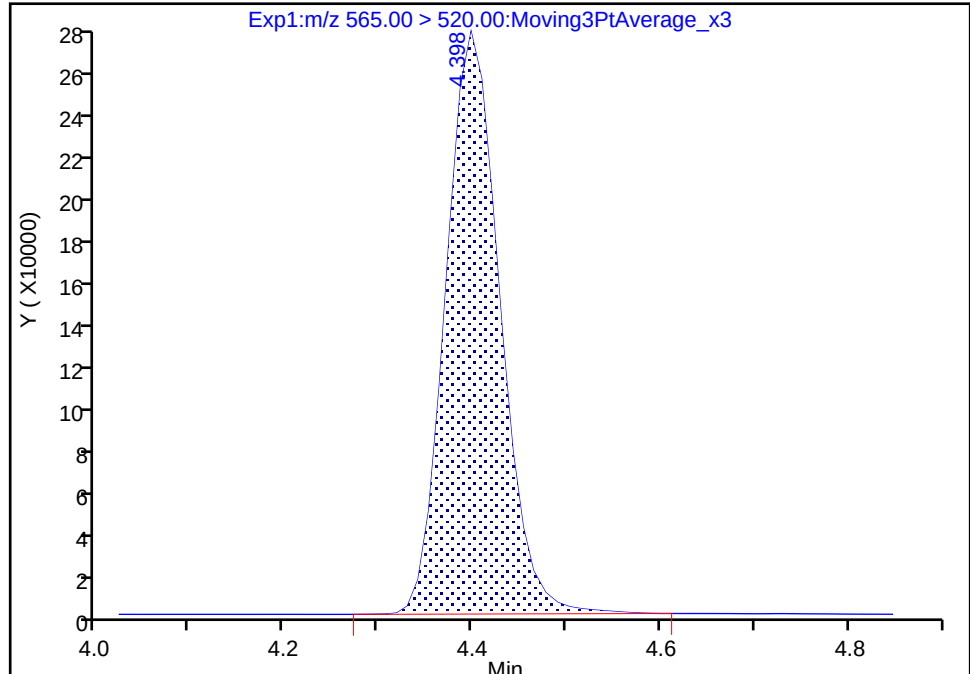
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

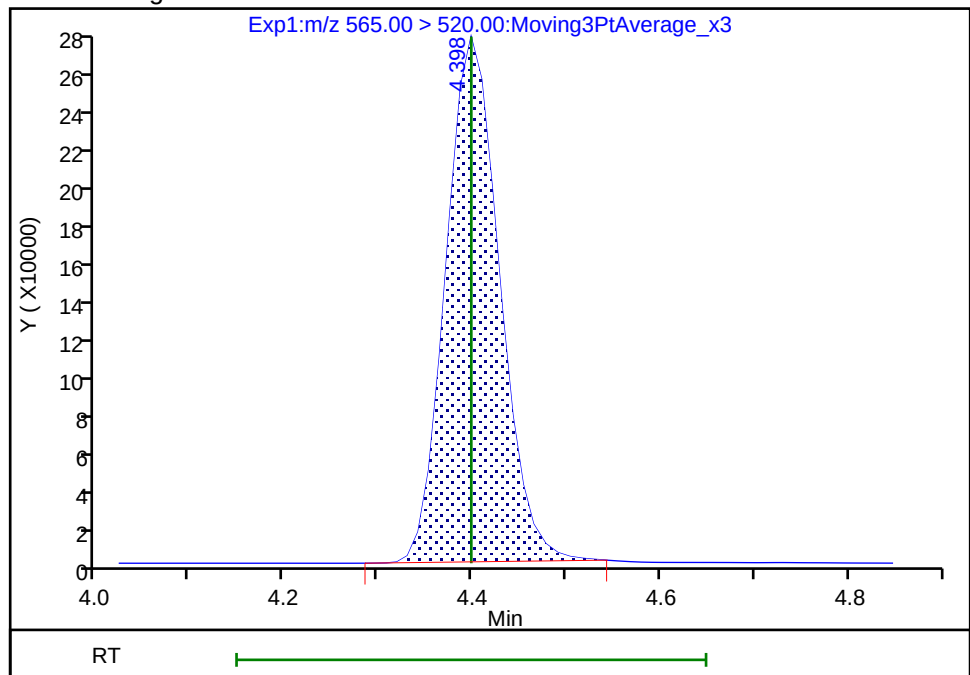
RT: 4.40
Area: 1109215
Amount: 1.242493
Amount Units: ng/ml

Processing Integration Results



RT: 4.40
Area: 1097436
Amount: 1.231466
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:12:50
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

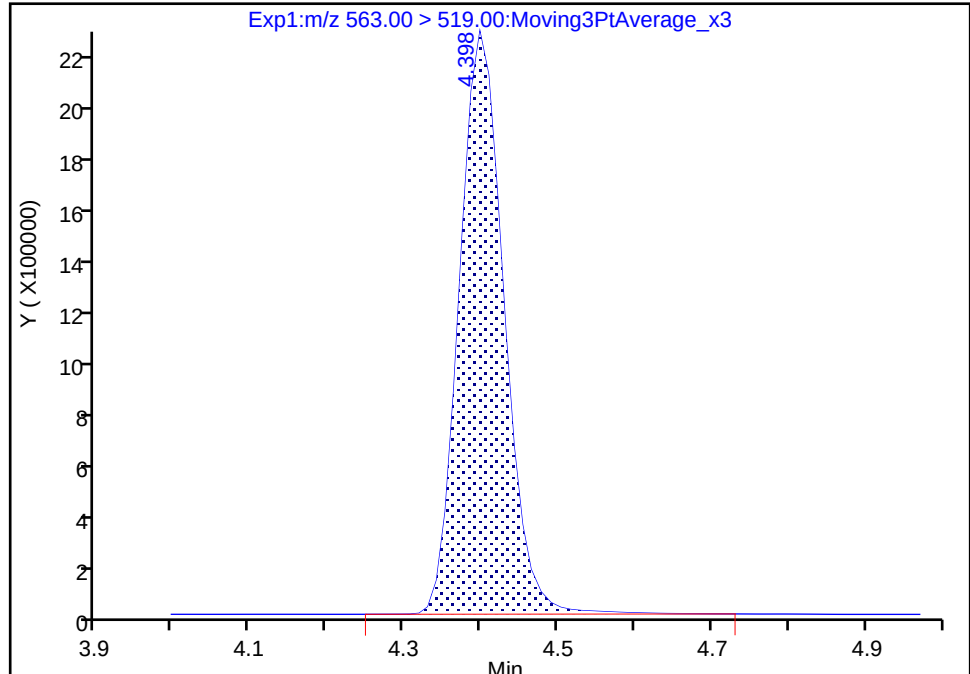
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

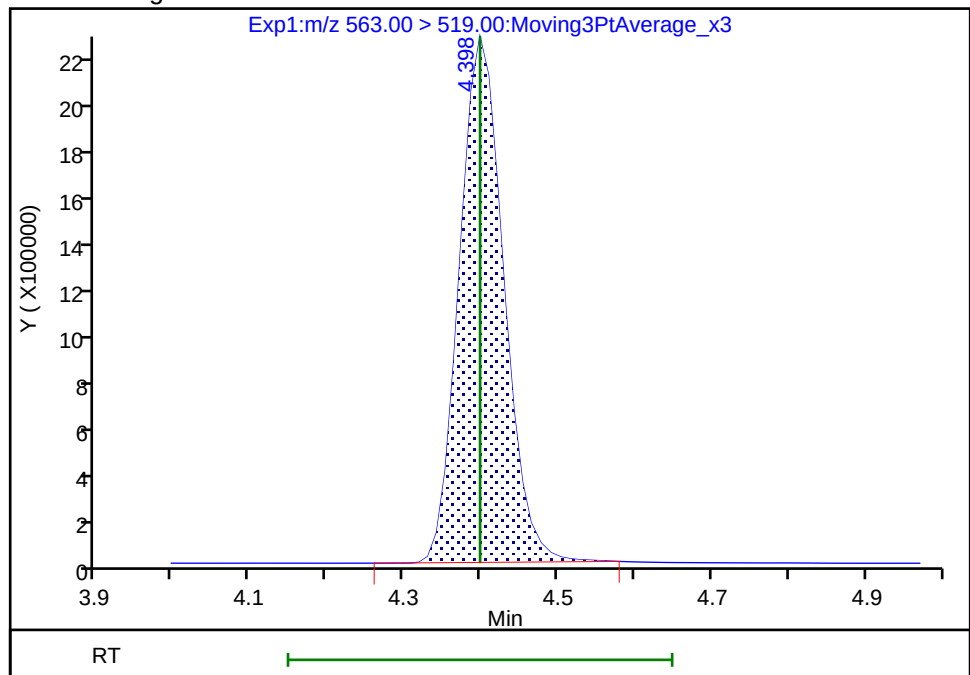
RT: 4.40
Area: 8923143
Amount: 9.579770
Amount Units: ng/ml

Processing Integration Results



RT: 4.40
Area: 8843669
Amount: 9.507968
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:12:54
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

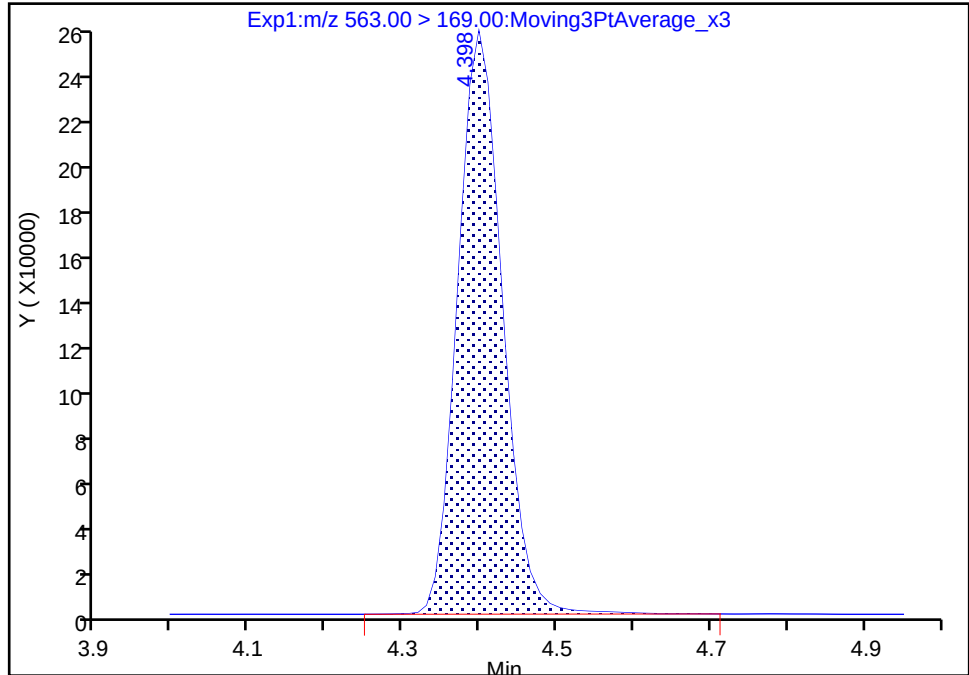
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

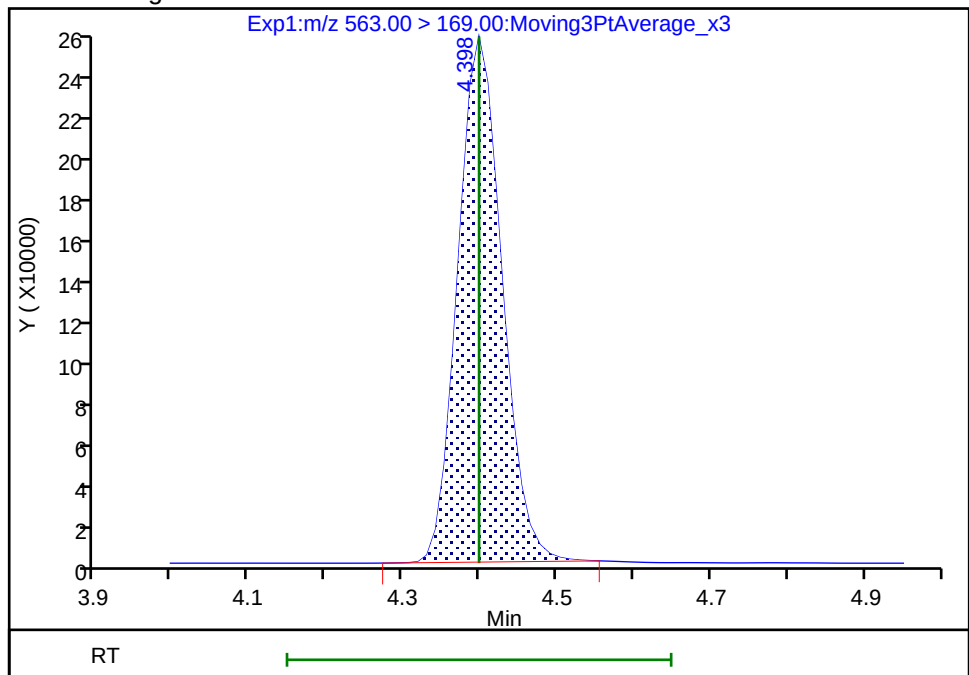
RT: 4.40
Area: 1041836
Amount: 9.579770
Amount Units: ng/ml

Processing Integration Results



RT: 4.40
Area: 1029859
Amount: 9.507968
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:12:58

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

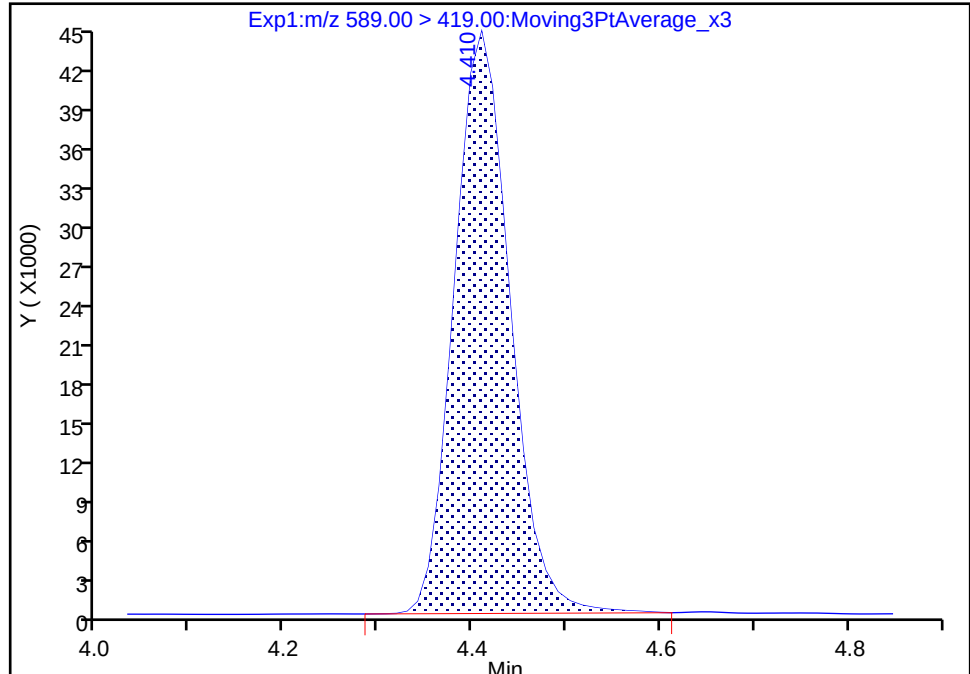
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 32 d5-NEtFOSAA, CAS: STL02117

Signal: 1

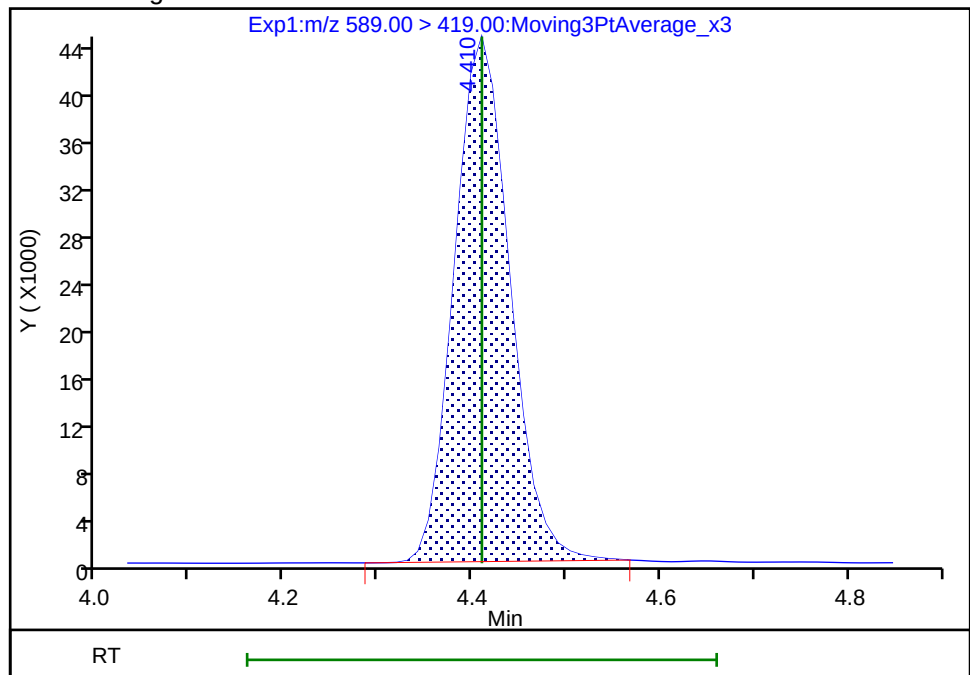
RT: 4.41
Area: 185089
Amount: 1.238722
Amount Units: ng/ml

Processing Integration Results



RT: 4.41
Area: 183559
Amount: 1.230162
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:13:07
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

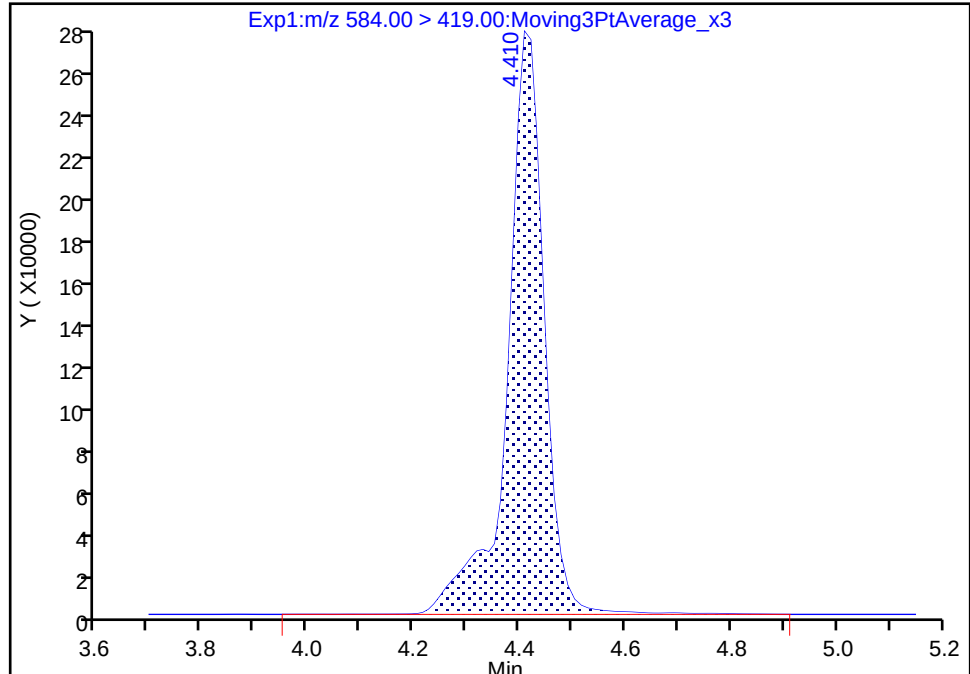
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

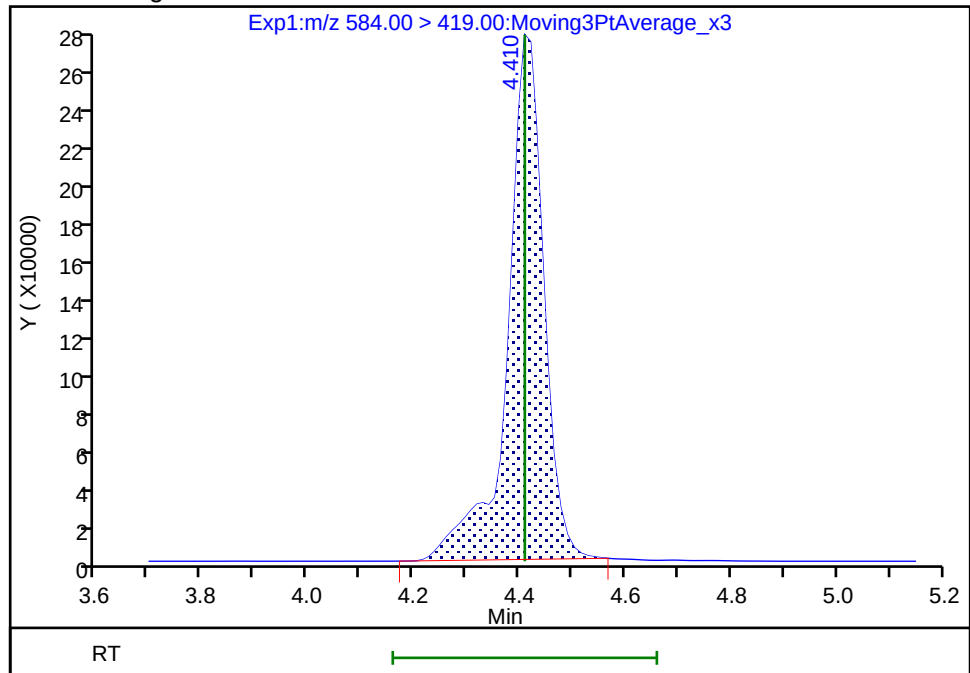
RT: 4.41
Area: 1344767
Amount: 9.980829
Amount Units: ng/ml

Processing Integration Results



RT: 4.41
Area: 1315871
Amount: 9.869656
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:13:02
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

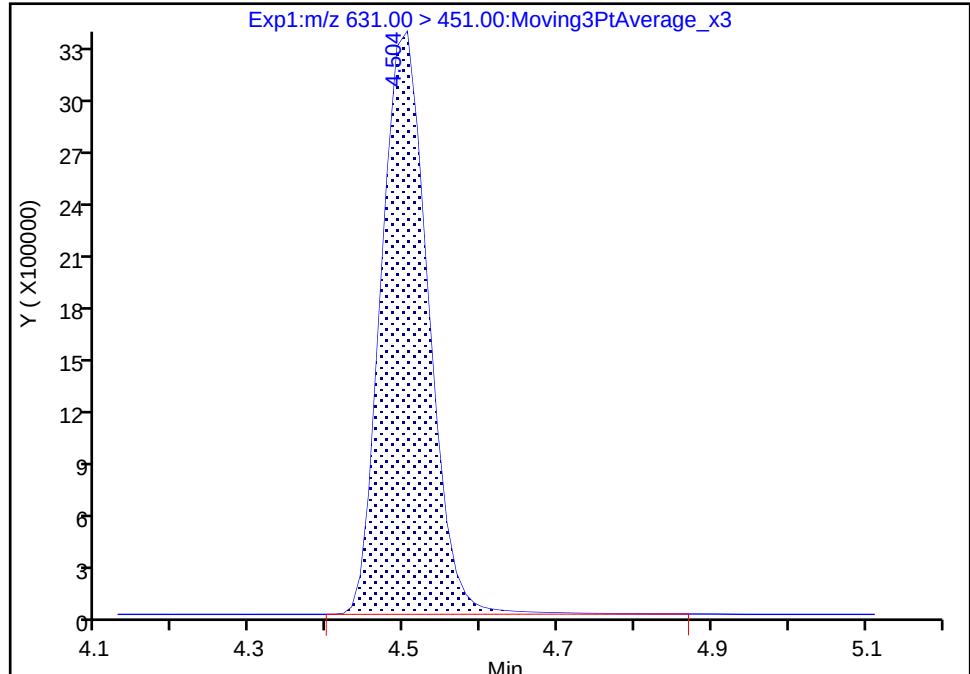
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

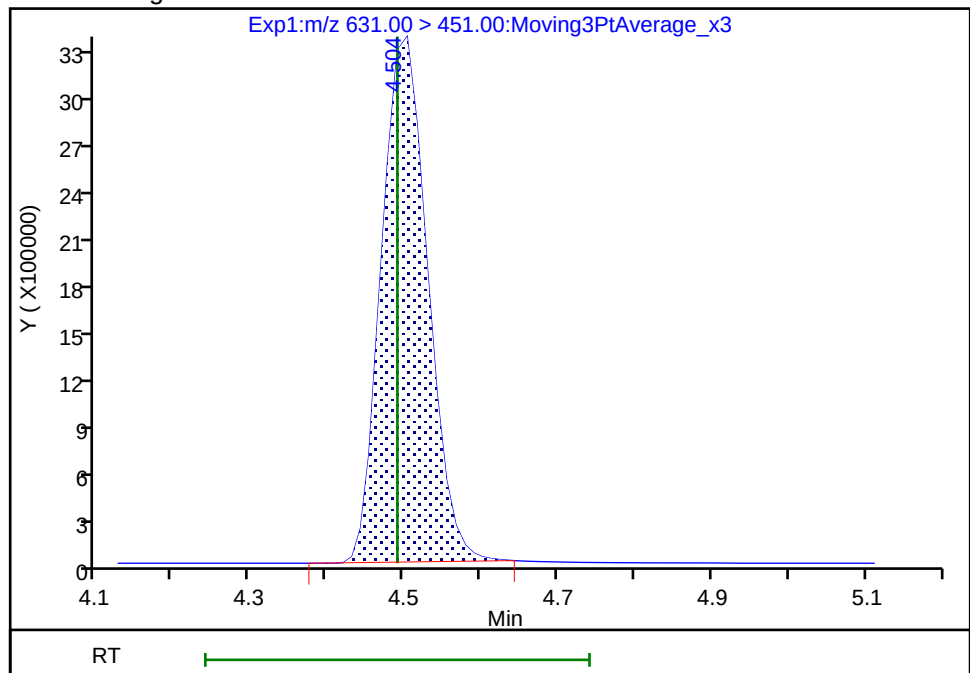
RT: 4.50
Area: 14136157
Amount: 8.930308
Amount Units: ng/ml

Processing Integration Results



RT: 4.50
Area: 13952793
Amount: 8.832573
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:13:11
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

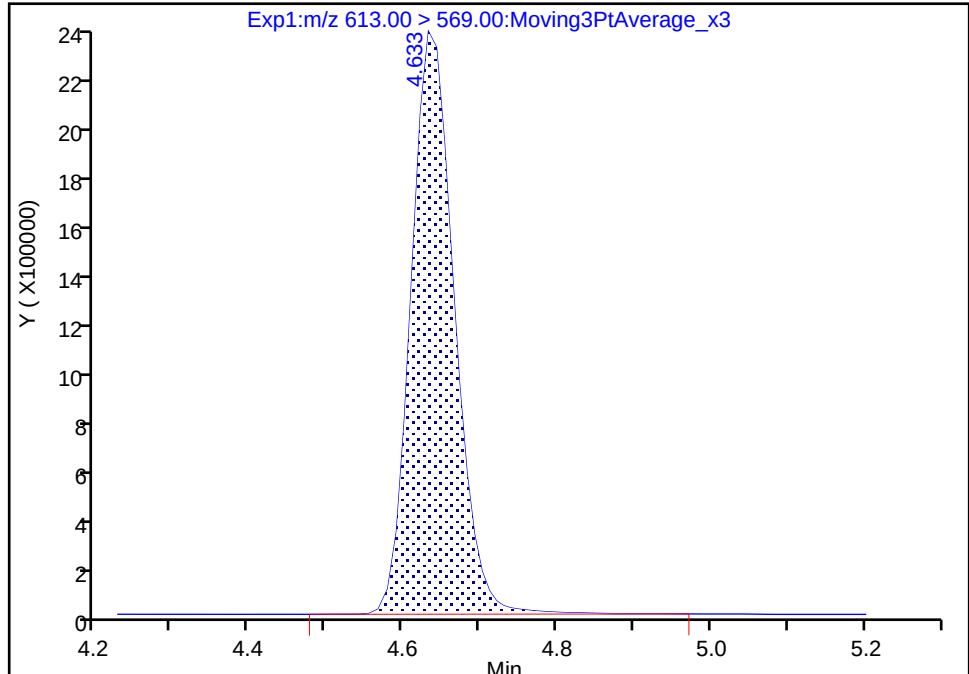
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

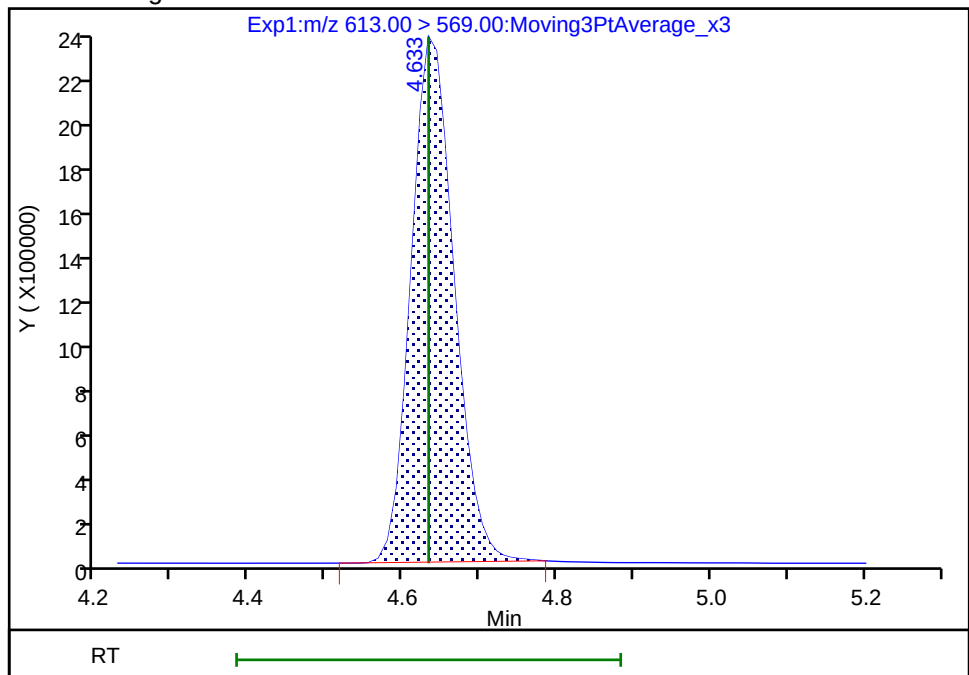
RT: 4.63
Area: 9347248
Amount: 9.510128
Amount Units: ng/ml

Processing Integration Results



RT: 4.63
Area: 9235605
Amount: 9.414362
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:13:17
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

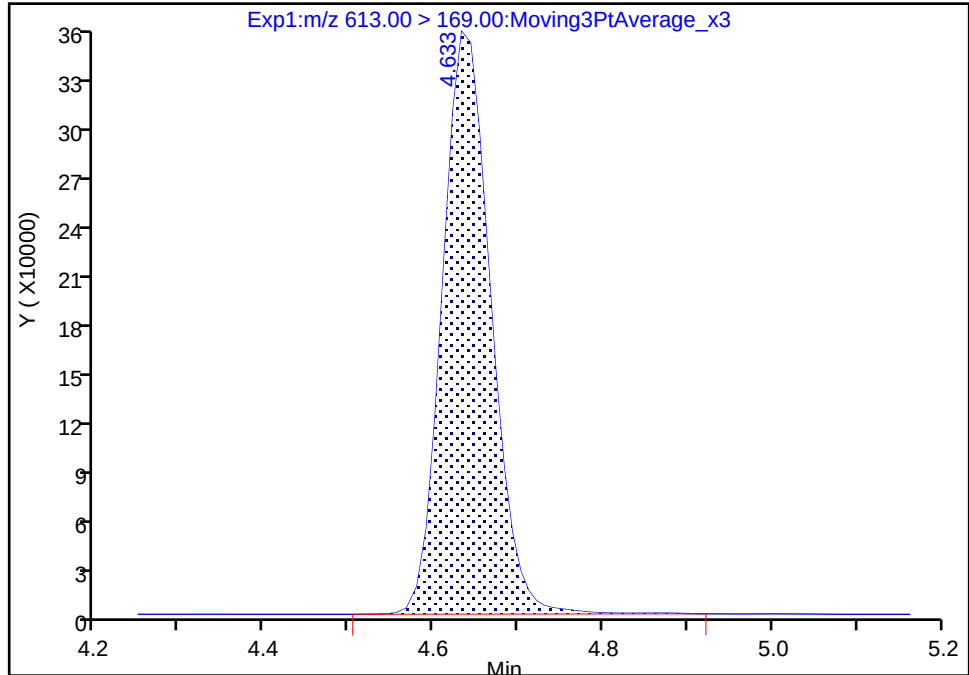
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

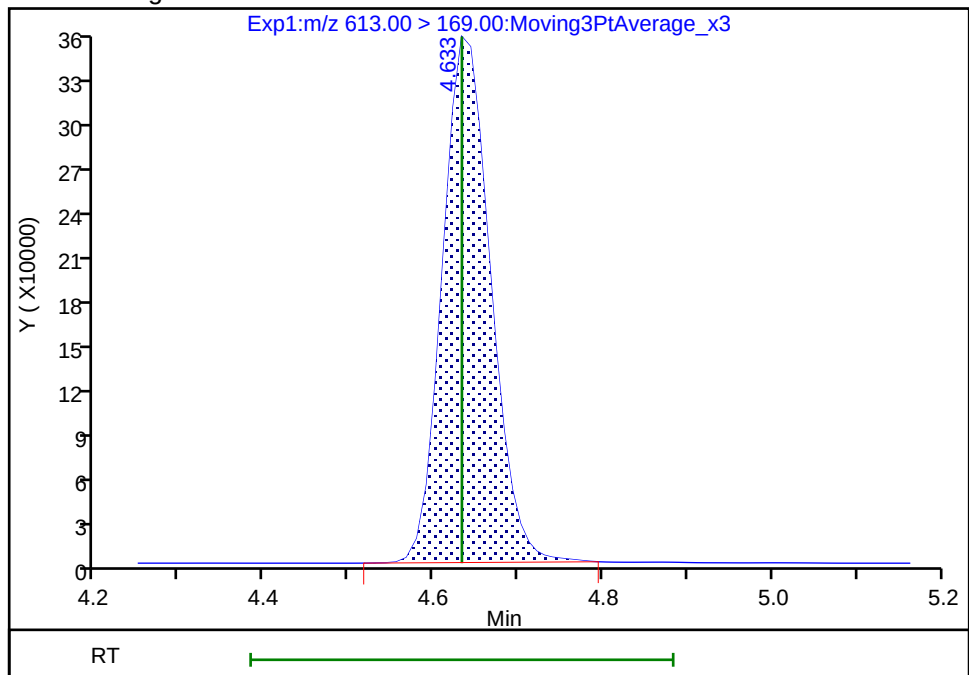
RT: 4.63
Area: 1418381
Amount: 9.510128
Amount Units: ng/ml

Processing Integration Results



RT: 4.63
Area: 1408846
Amount: 9.414362
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:13:23

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

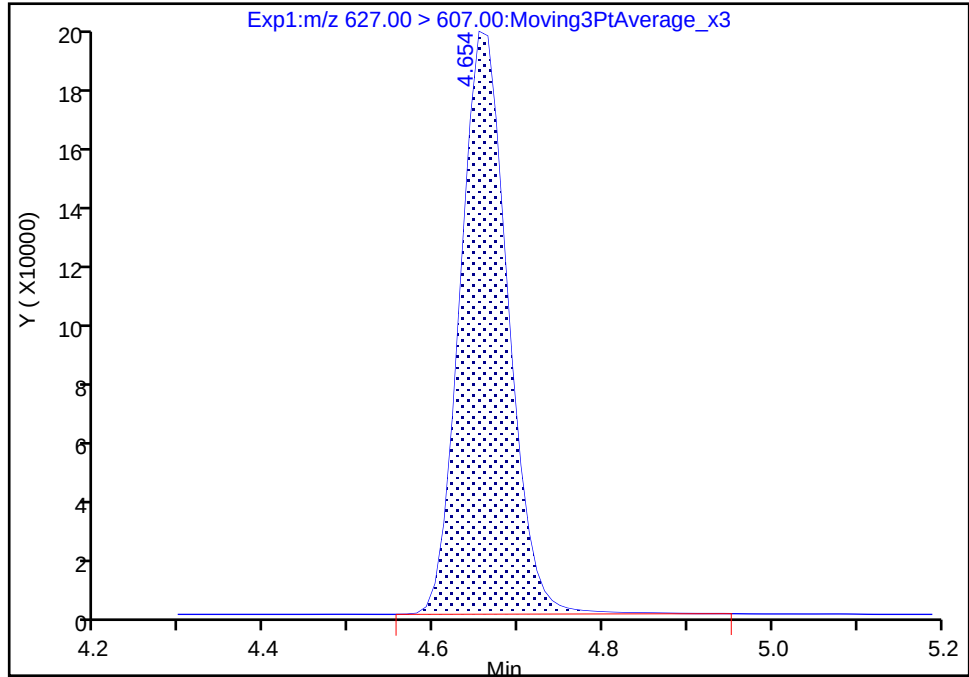
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

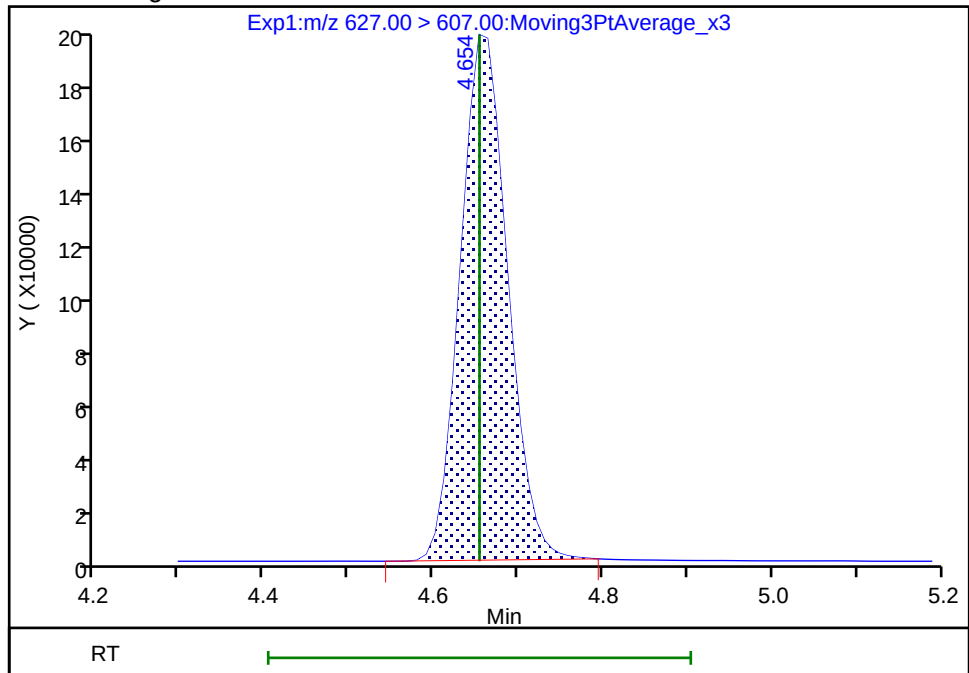
RT: 4.65
Area: 753335
Amount: 9.004924
Amount Units: ng/ml

Processing Integration Results



RT: 4.65
Area: 745570
Amount: 8.926431
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:13:27
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

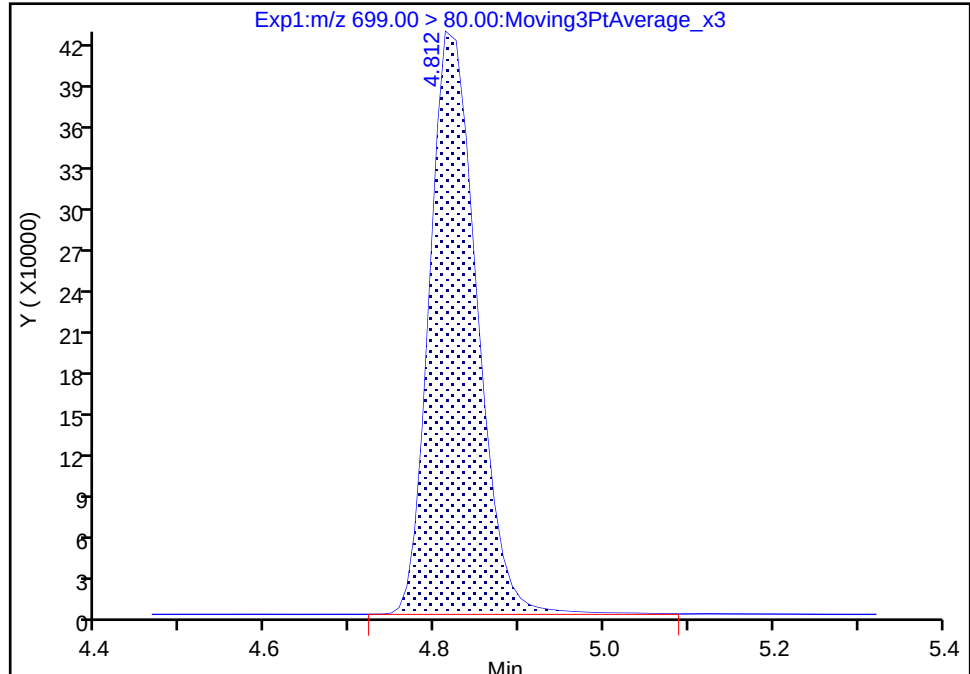
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

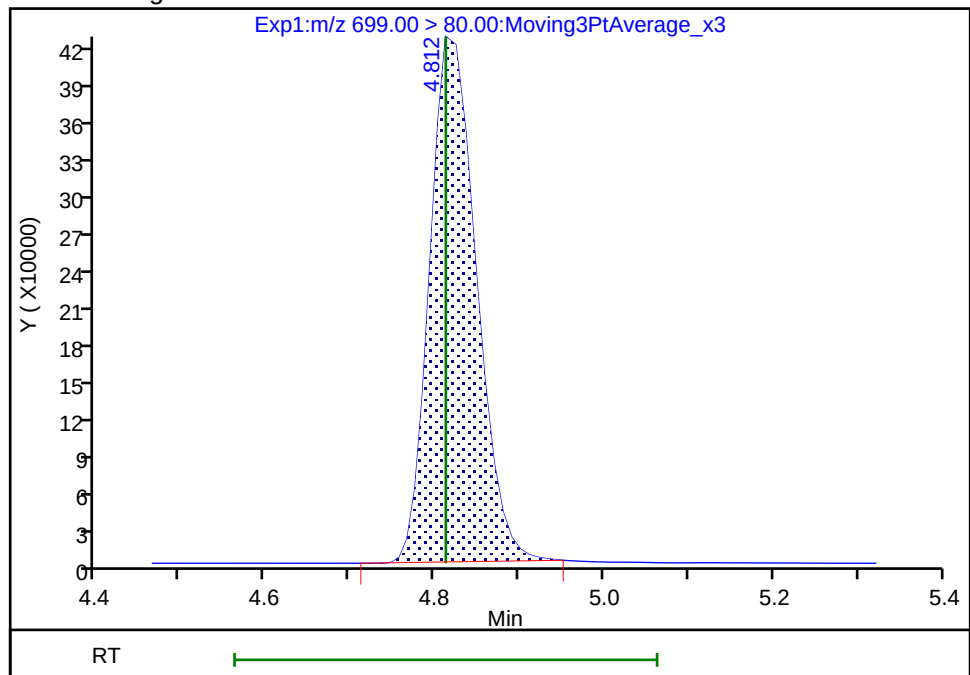
RT: 4.81
Area: 1655766
Amount: 9.292685
Amount Units: ng/ml

Processing Integration Results



RT: 4.81
Area: 1630442
Amount: 9.173006
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:13:32
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

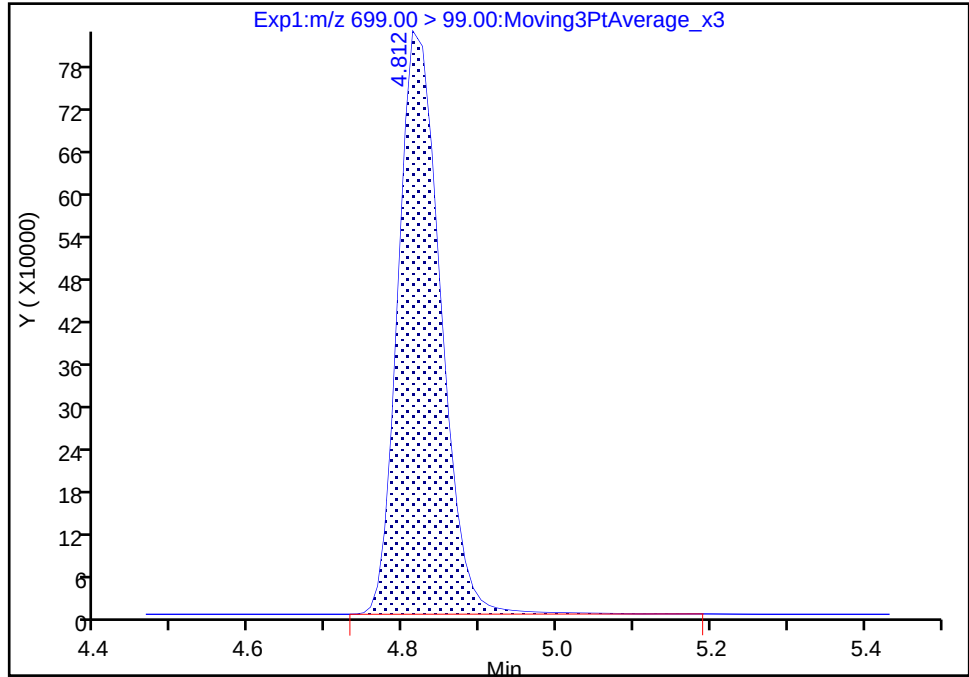
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 2

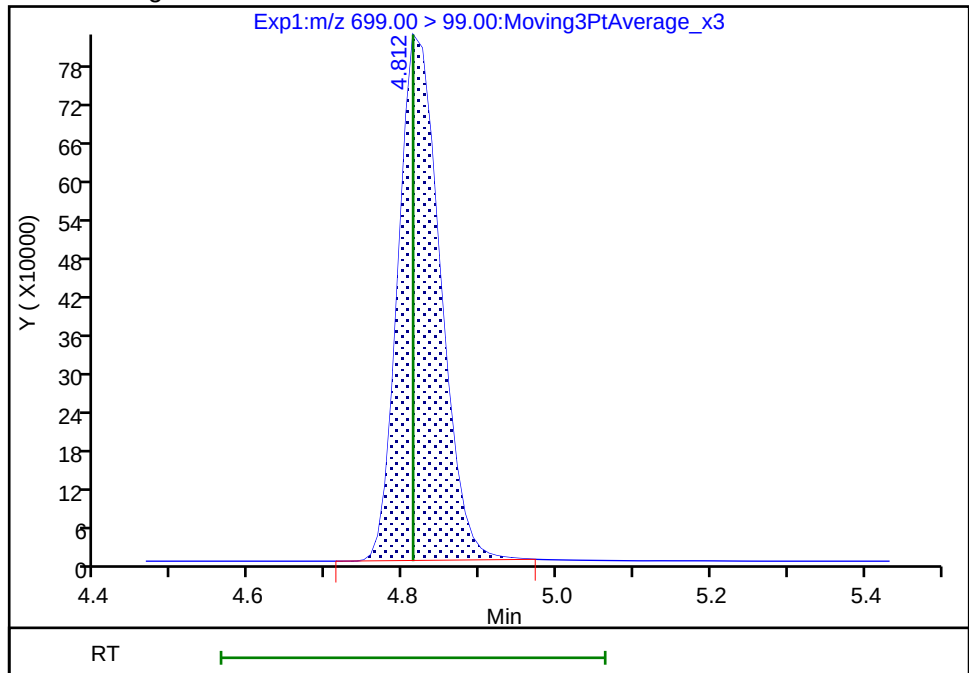
RT: 4.81
Area: 3159864
Amount: 9.292685
Amount Units: ng/ml

Processing Integration Results



RT: 4.81
Area: 3129781
Amount: 9.173006
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:13:35

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

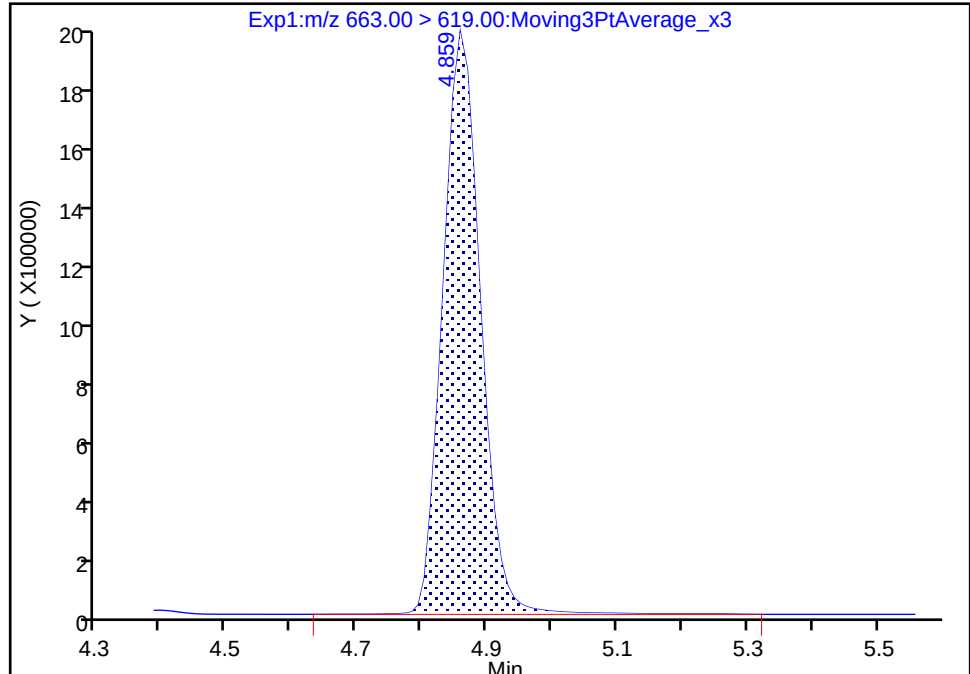
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

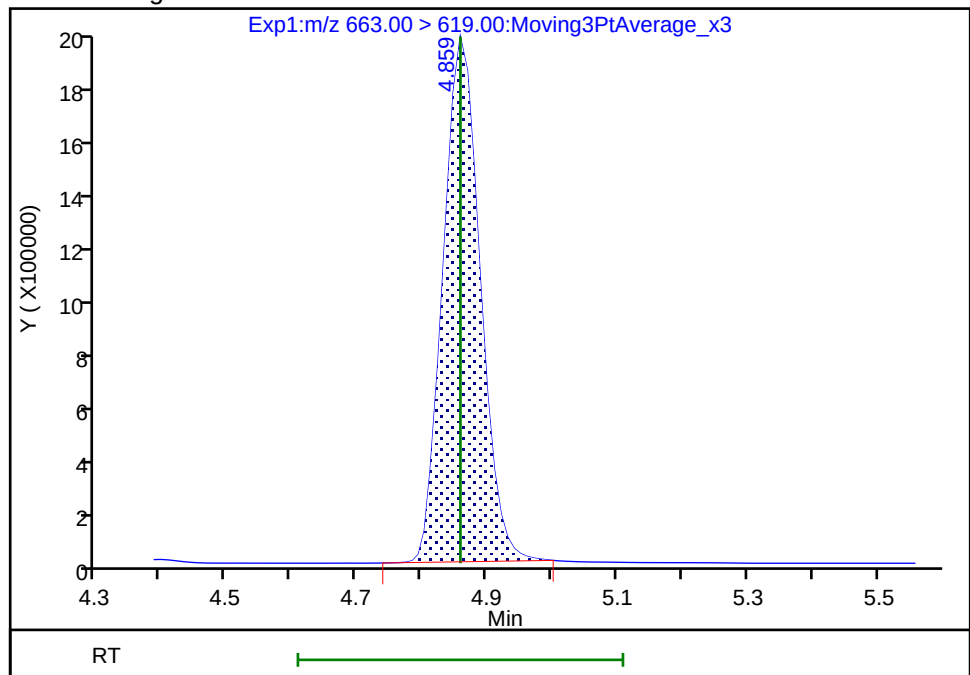
RT: 4.86
Area: 7731410
Amount: 9.065328
Amount Units: ng/ml

Processing Integration Results



RT: 4.86
Area: 7584486
Amount: 8.918662
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:13:39
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

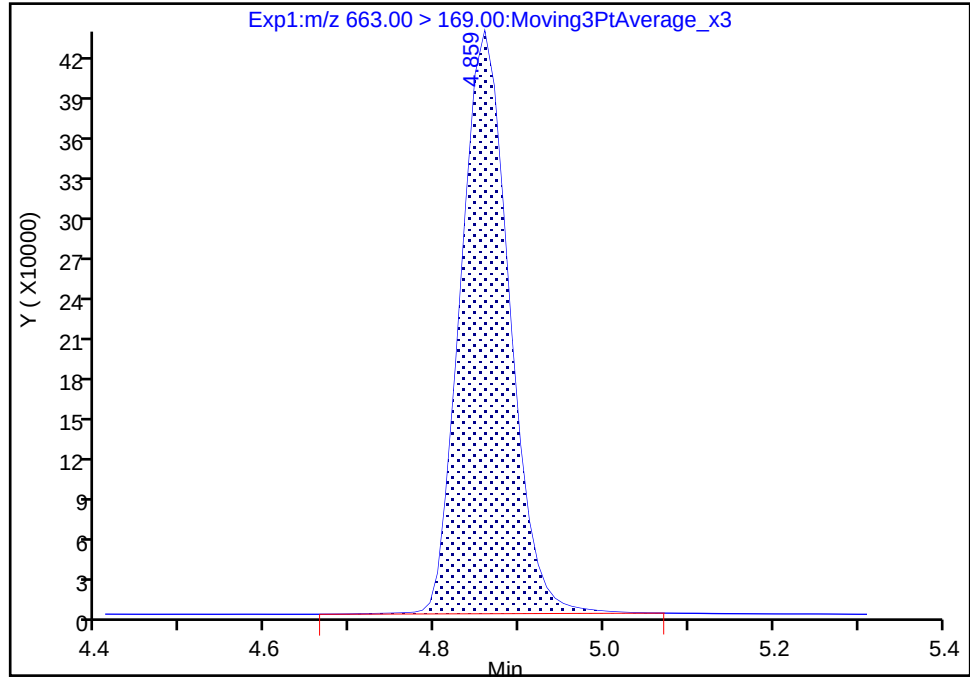
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

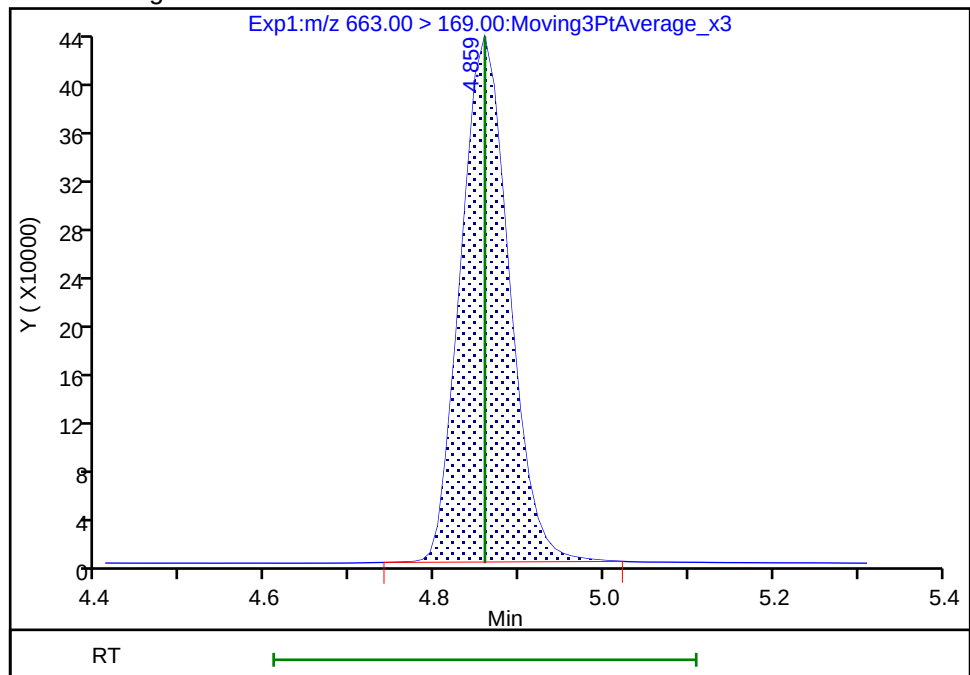
RT: 4.86
Area: 1733789
Amount: 9.065328
Amount Units: ng/ml

Processing Integration Results



RT: 4.86
Area: 1722893
Amount: 8.918662
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:13:43

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

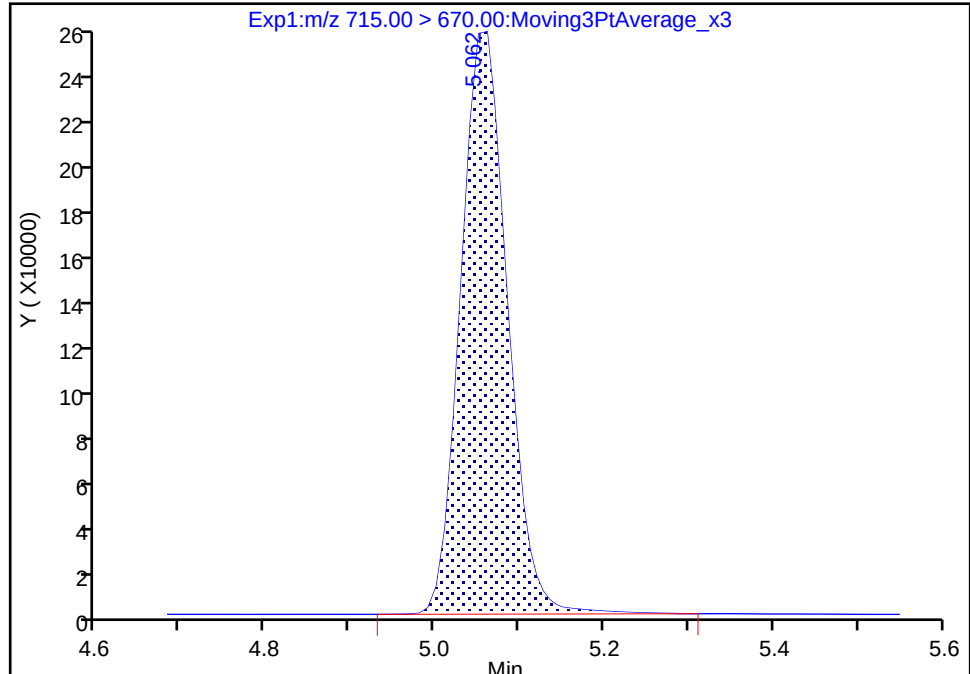
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

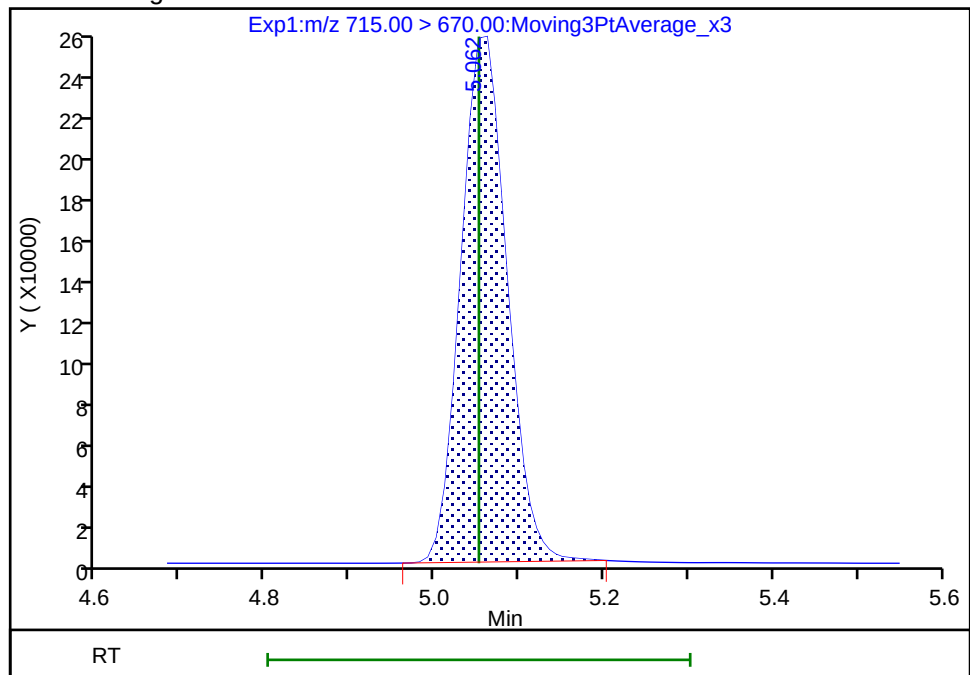
RT: 5.06
Area: 960549
Amount: 1.269935
Amount Units: ng/ml

Processing Integration Results



RT: 5.06
Area: 949490
Amount: 1.257766
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:13:49

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

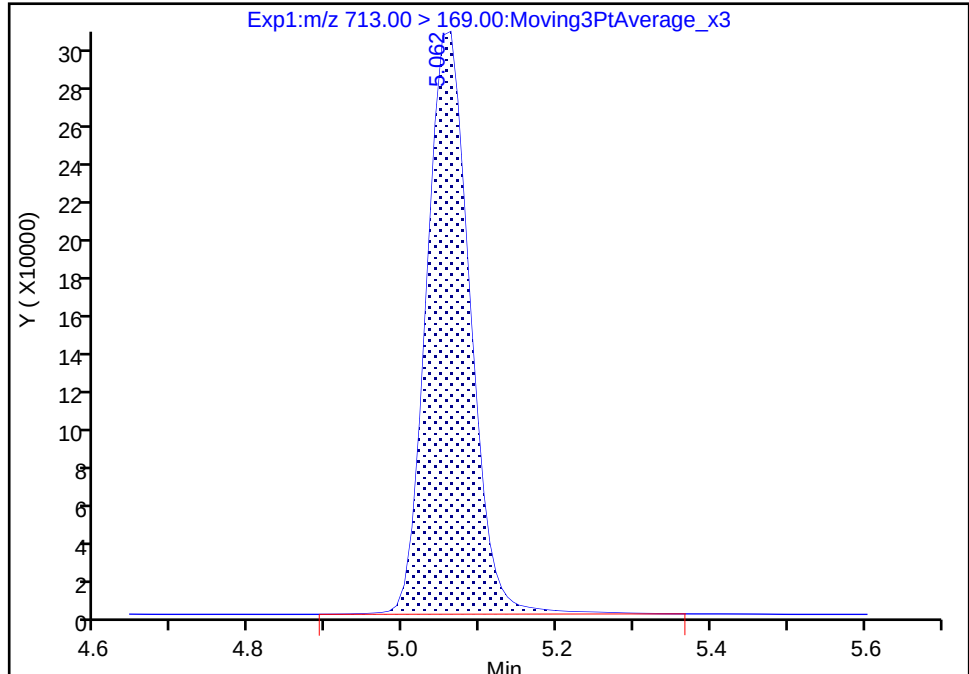
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

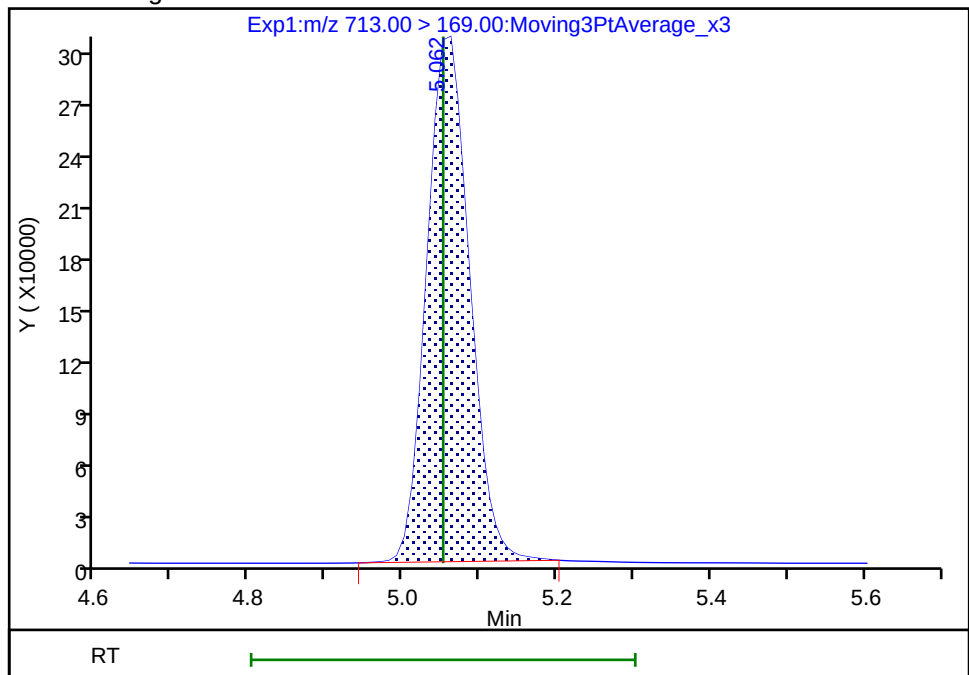
RT: 5.06
Area: 1182750
Amount: 9.693925
Amount Units: ng/ml

Processing Integration Results



RT: 5.06
Area: 1163895
Amount: 9.564021
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:13:53
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

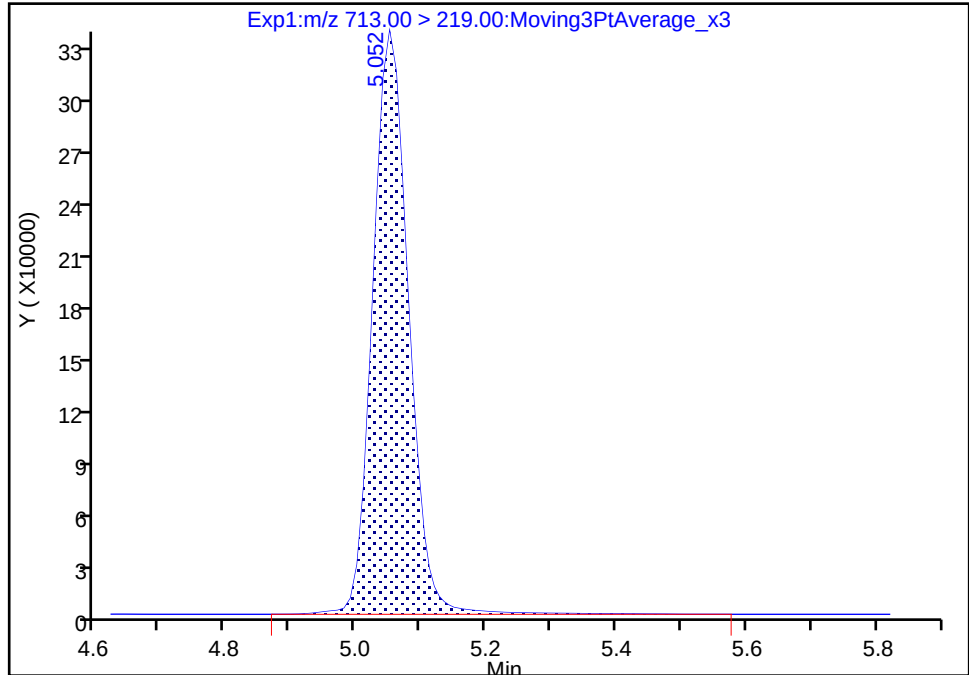
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

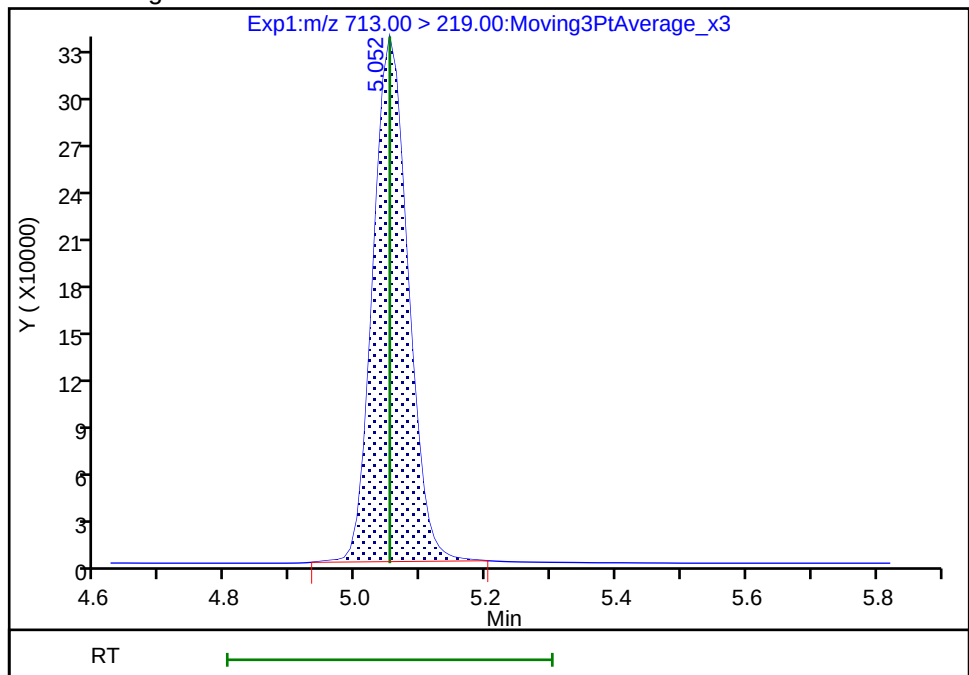
RT: 5.05
Area: 1278596
Amount: 9.693925
Amount Units: ng/ml

Processing Integration Results



RT: 5.05
Area: 1252704
Amount: 9.564021
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:13:57

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

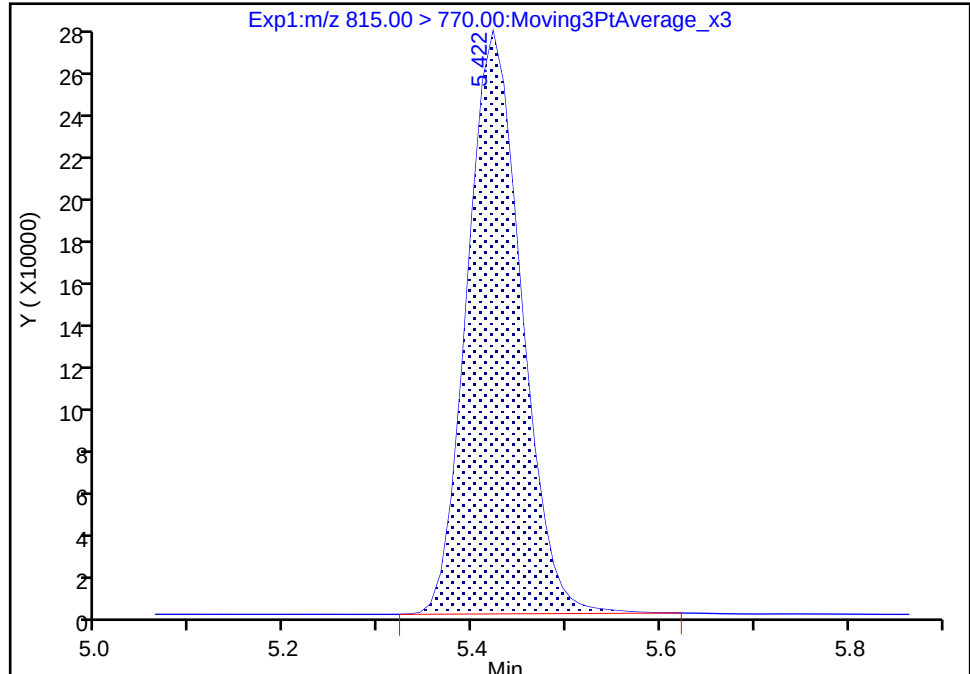
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 44 13C2 PFHxDA, CAS: STL02115

Signal: 1

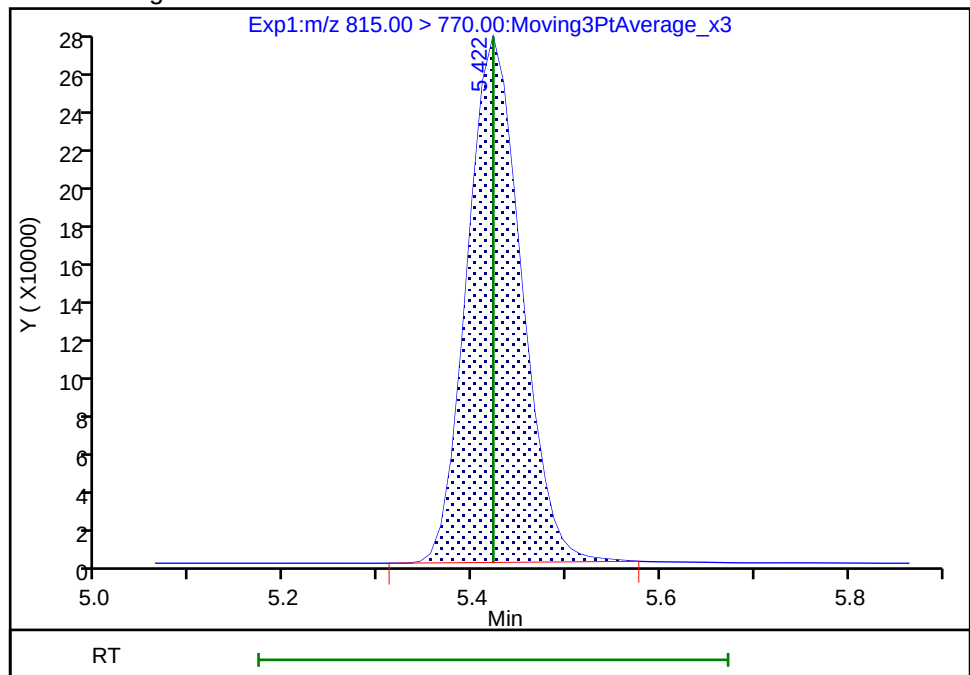
RT: 5.42
Area: 1084390
Amount: 1.260184
Amount Units: ng/ml

Processing Integration Results



RT: 5.42
Area: 1080090
Amount: 1.256024
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:14:11
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

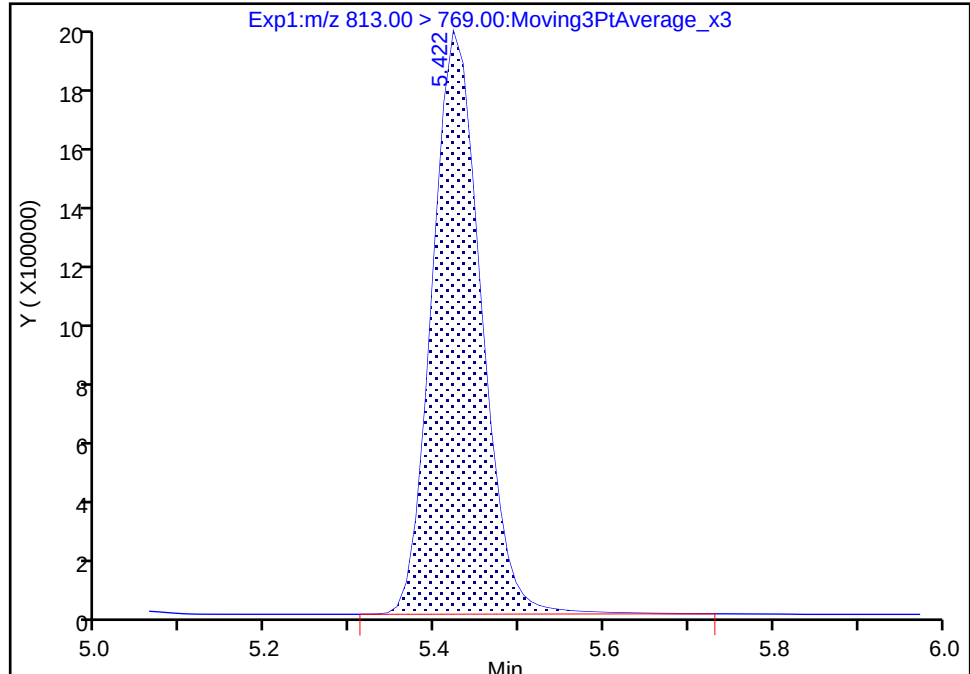
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 1

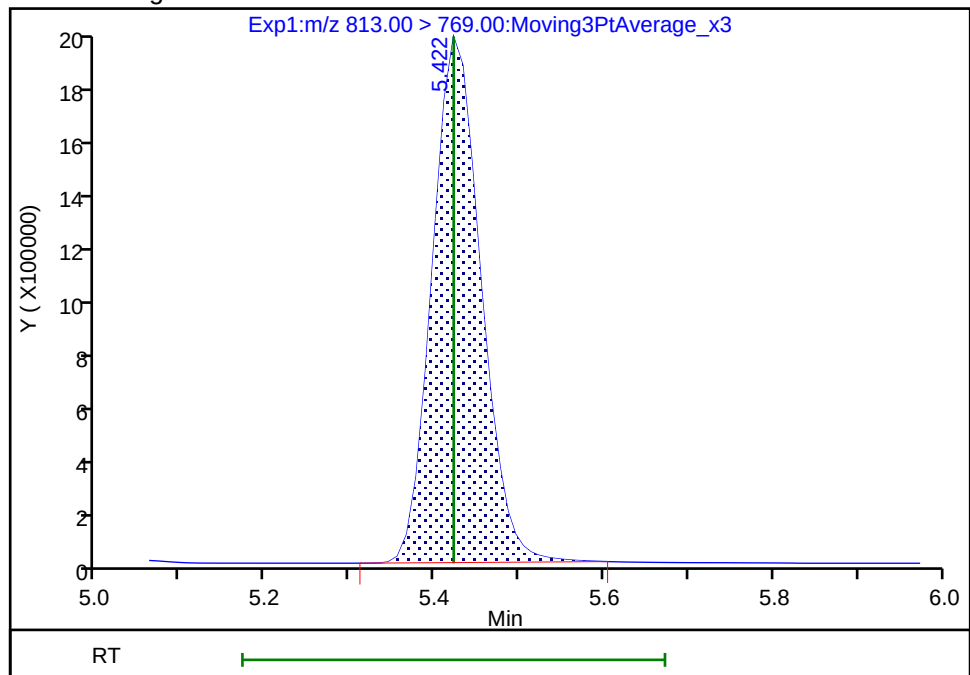
RT: 5.42
Area: 7776335
Amount: 9.985764
Amount Units: ng/ml

Processing Integration Results



RT: 5.42
Area: 7724125
Amount: 9.978557
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:14:01
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

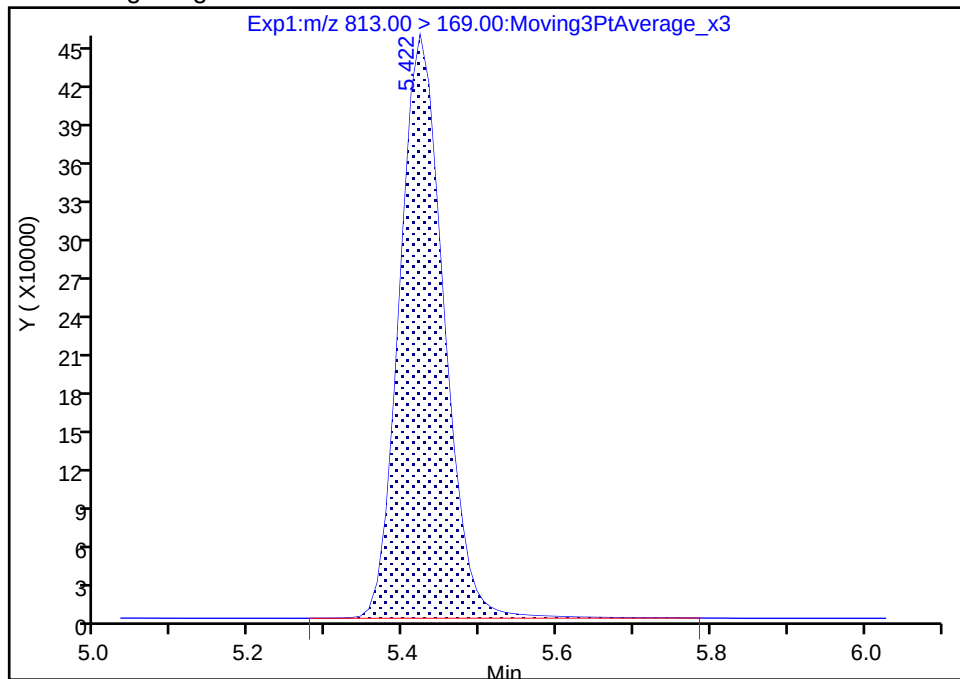
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 2

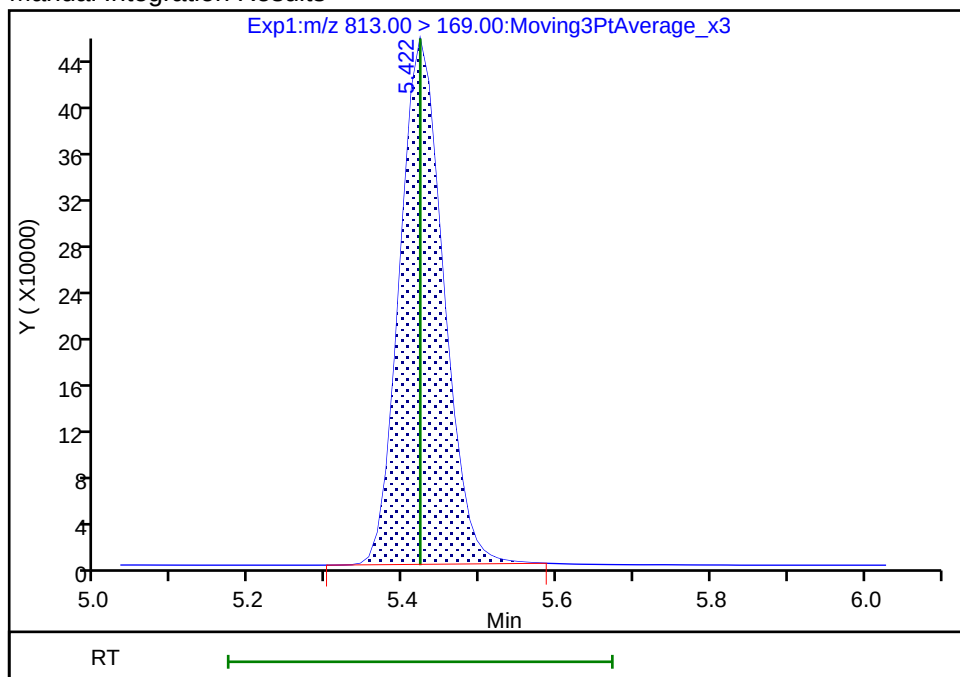
RT: 5.42
Area: 1820798
Amount: 9.985764
Amount Units: ng/ml

Processing Integration Results



RT: 5.42
Area: 1801906
Amount: 9.978557
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:14:06

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

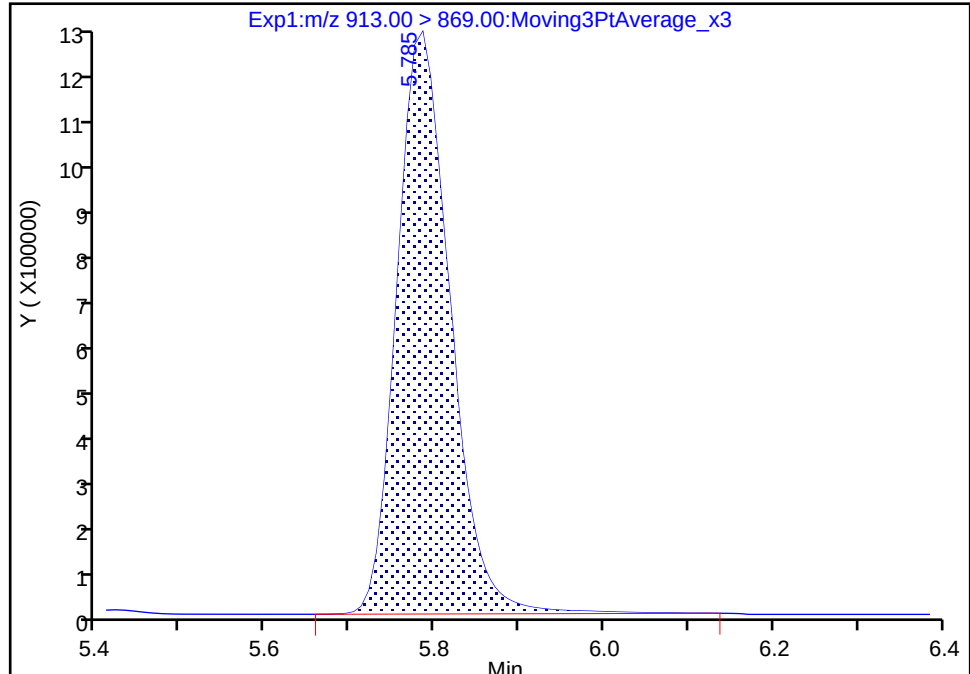
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

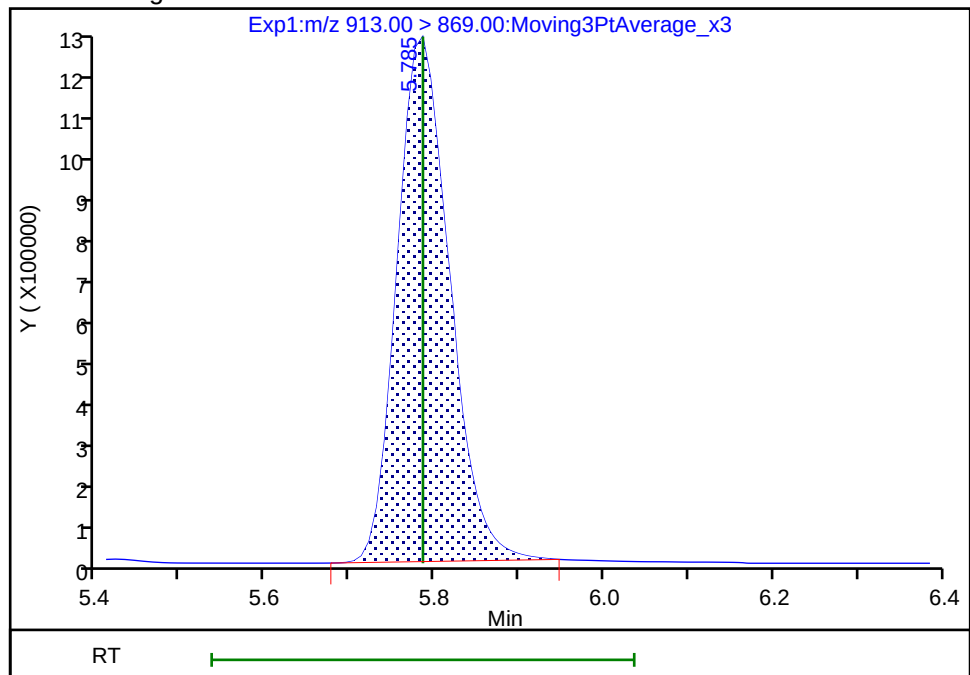
RT: 5.79
Area: 5347373
Amount: 9.283155
Amount Units: ng/ml

Processing Integration Results



RT: 5.79
Area: 5256805
Amount: 9.149904
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:14:15
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

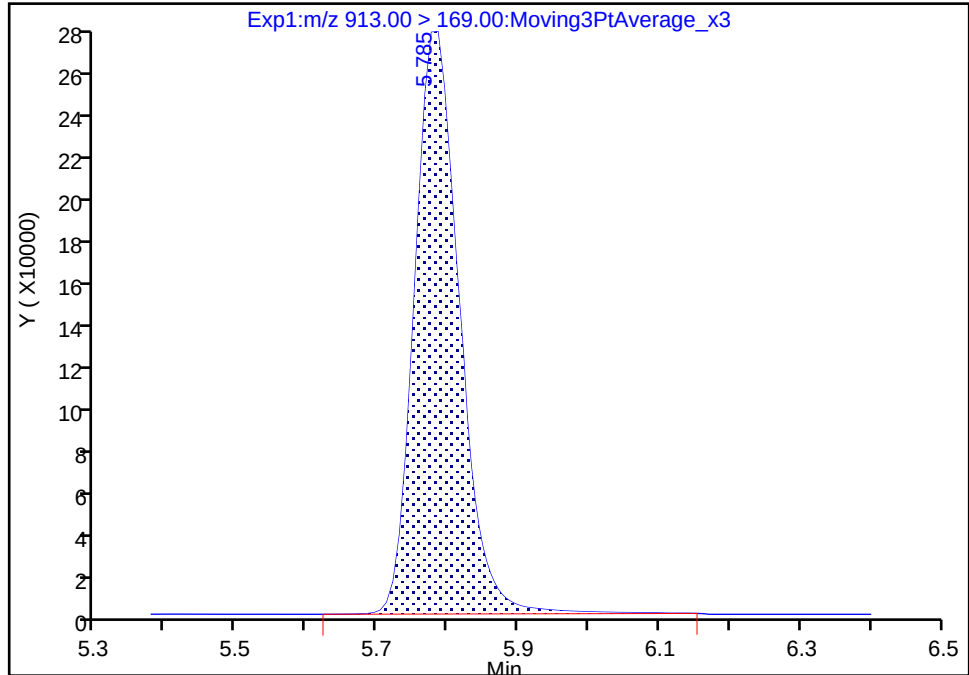
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

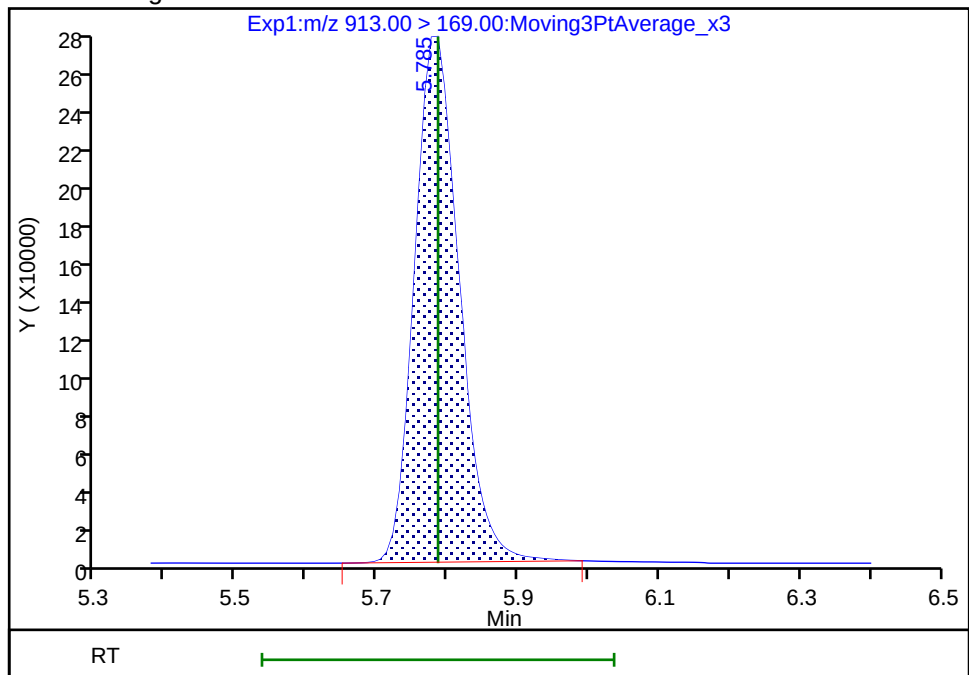
RT: 5.79
Area: 1219269
Amount: 9.283155
Amount Units: ng/ml

Processing Integration Results



RT: 5.79
Area: 1205334
Amount: 9.149904
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:14:19

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Page 674 of 1695

08/18/2022

Calibration

/ Perfluorobutanoic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

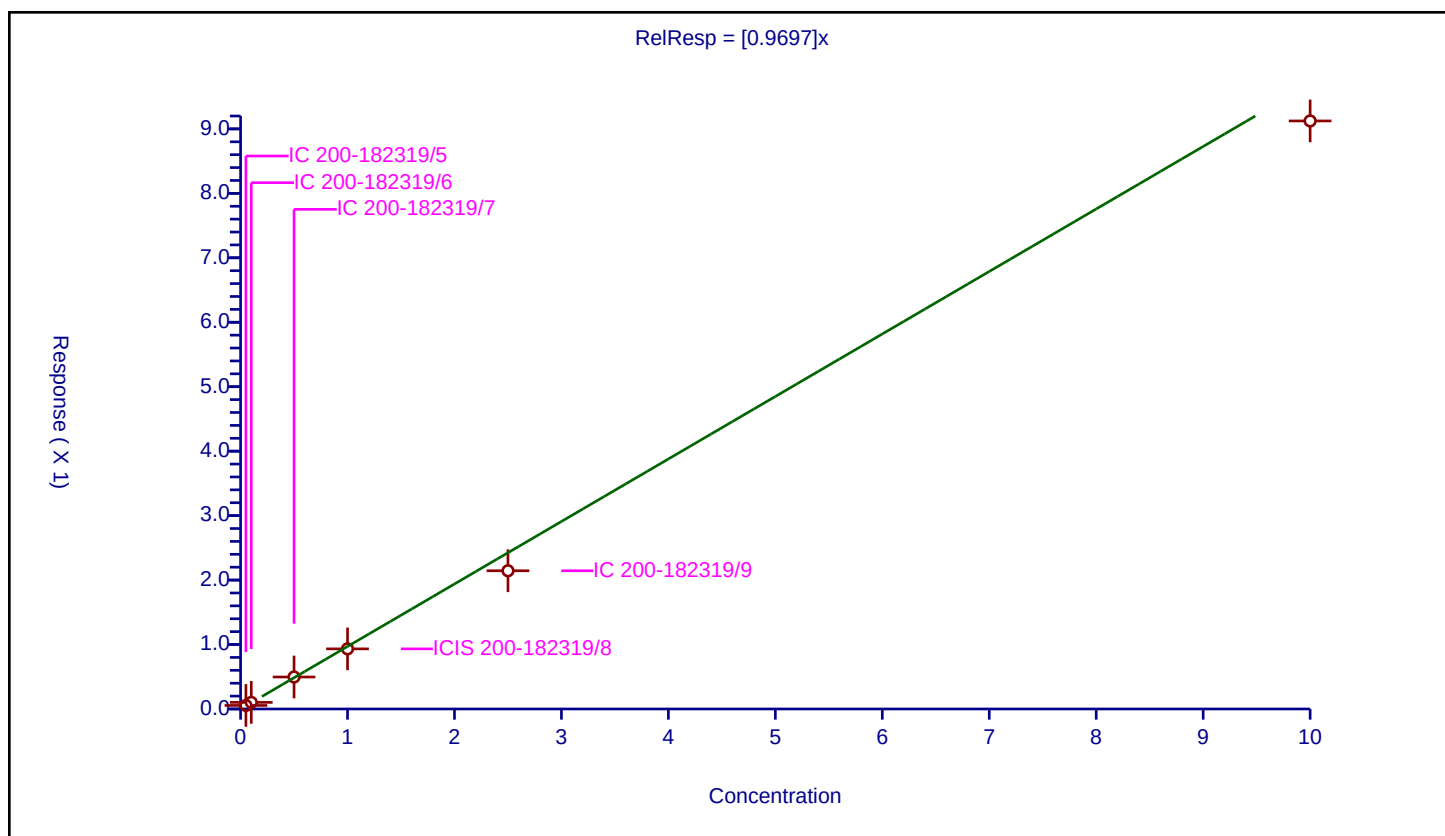
Curve Coefficients

Intercept: 0
Slope: 0.9697

Error Coefficients

Standard Error: 6110000
Relative Standard Error: 8.9
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.05	0.054973	1.25	1801086.0	1.099462	Y
2	IC 200-182319/6	0.1	0.102292	1.25	1889069.0	1.022925	Y
3	IC 200-182319/7	0.5	0.496265	1.25	1792010.0	0.992531	Y
4	ICIS 200-182319/8	1.0	0.932949	1.25	1990166.0	0.932949	Y
5	IC 200-182319/9	2.5	2.144777	1.25	1857803.0	0.857911	Y
6	IC 200-182319/10	10.0	9.123656	1.25	1806199.0	0.912366	Y



Calibration

/ Perfluoropentanoic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

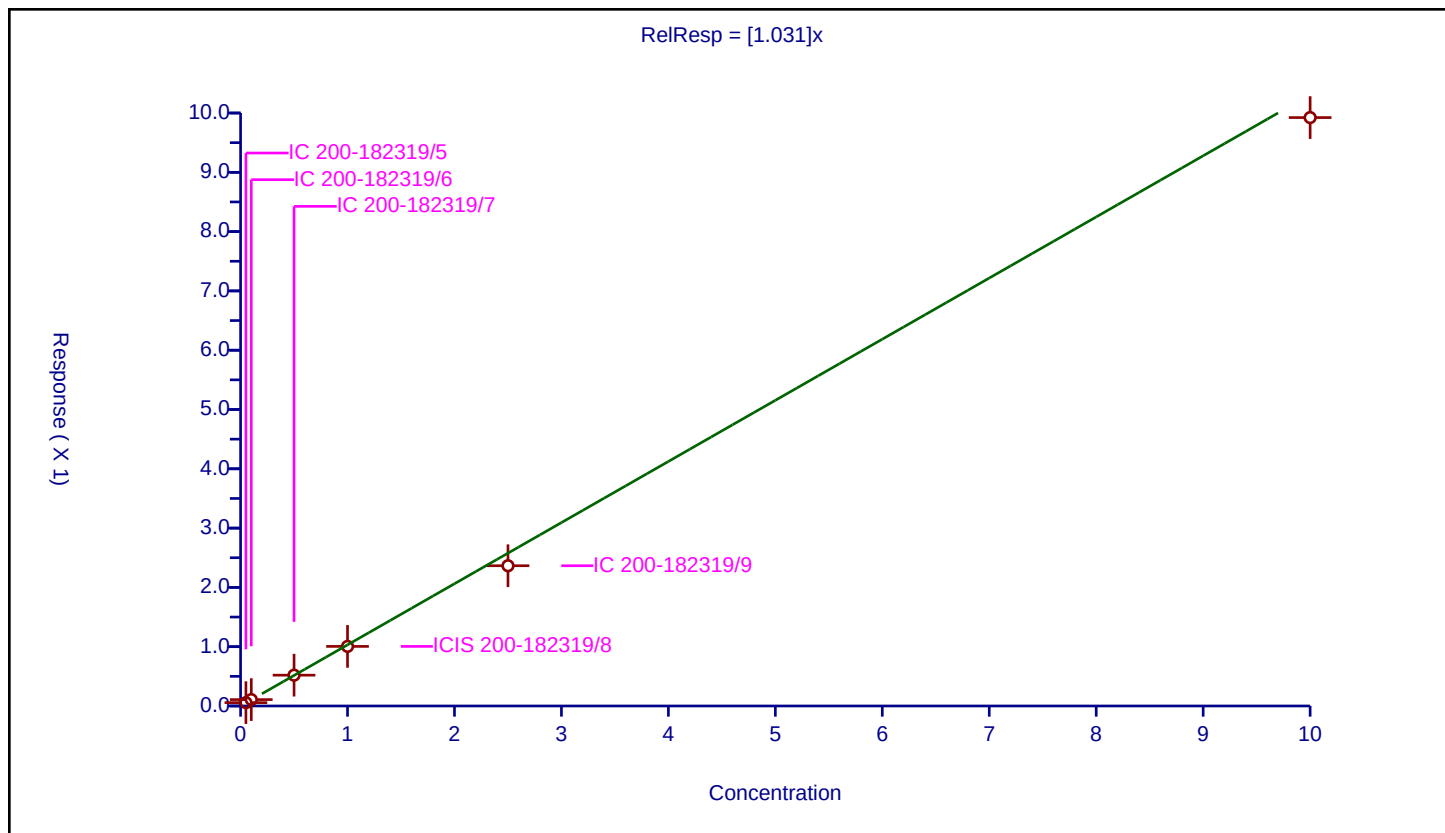
Curve Coefficients

Intercept: 0
 Slope: 1.031

Error Coefficients

Standard Error: 5000000
 Relative Standard Error: 6.2
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.05	0.056224	1.25	1457461.0	1.12449	Y
2	IC 200-182319/6	0.1	0.10788	1.25	1467520.0	1.078801	Y
3	IC 200-182319/7	0.5	0.519568	1.25	1422776.0	1.039136	Y
4	ICIS 200-182319/8	1.0	1.00488	1.25	1448057.0	1.00488	Y
5	IC 200-182319/9	2.5	2.365051	1.25	1404065.0	0.94602	Y
6	IC 200-182319/10	10.0	9.922991	1.25	1356802.0	0.992299	Y



Calibration

/ Perfluorobutanesulfonic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

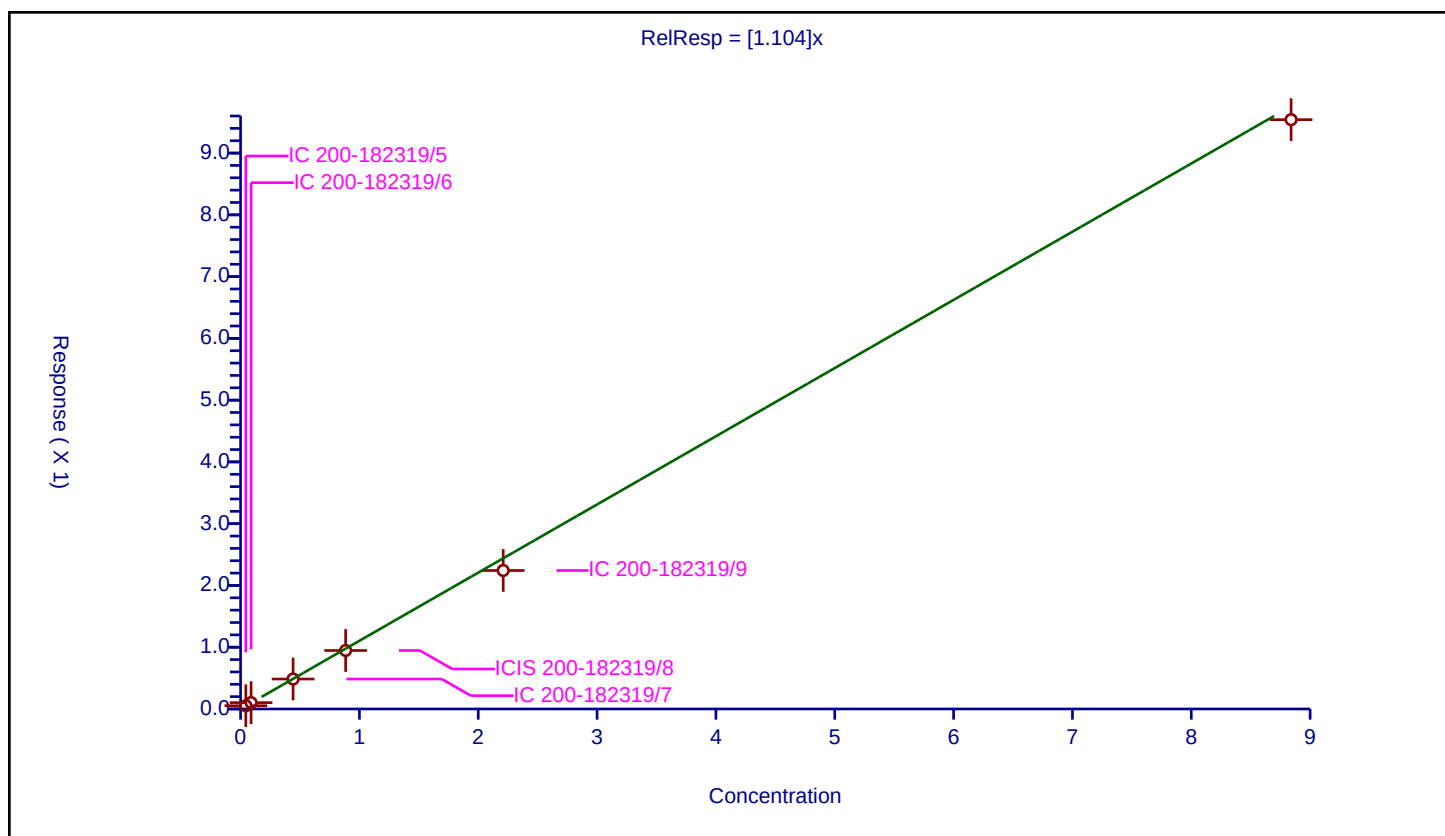
Curve Coefficients

Intercept: 0
 Slope: 1.104

Error Coefficients

Standard Error: 5530000
 Relative Standard Error: 6.0
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.0442	0.052924	1.1625	1518638.0	1.197366	Y
2	IC 200-182319/6	0.0884	0.102801	1.1625	1552604.0	1.162905	Y
3	IC 200-182319/7	0.442	0.48518	1.1625	1530333.0	1.097692	Y
4	ICIS 200-182319/8	0.884	0.946966	1.1625	1606766.0	1.071229	Y
5	IC 200-182319/9	2.21	2.242248	1.1625	1554917.0	1.014592	Y
6	IC 200-182319/10	8.84	9.540802	1.1625	1451388.0	1.079276	Y



Calibration

/ 1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

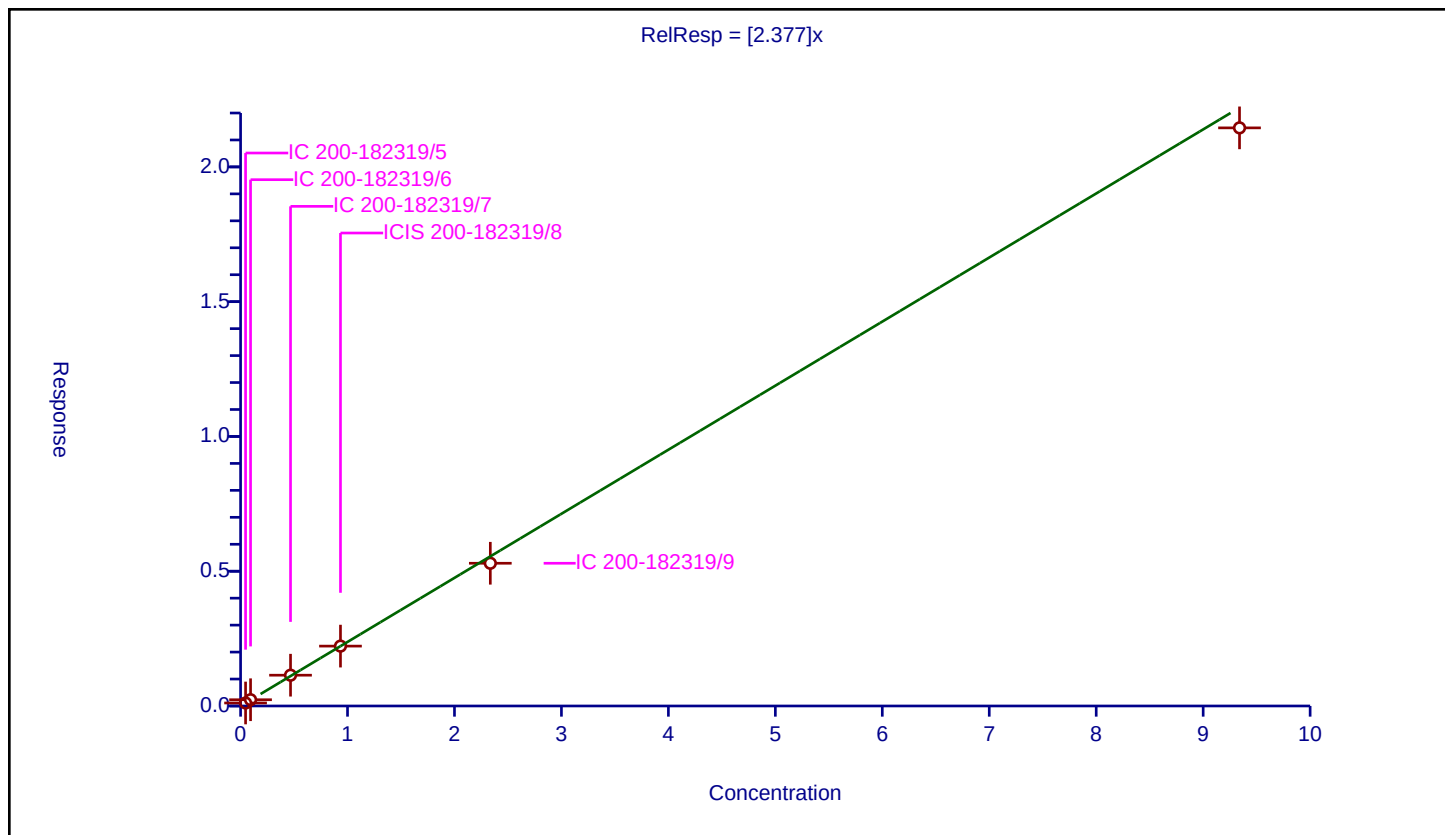
Curve Coefficients

Intercept: 0
Slope: 2.377

Error Coefficients

Standard Error: 1100000
Relative Standard Error: 3.5
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.0467	0.111595	1.1675	128546.0	2.389612	Y
2	IC 200-182319/6	0.0934	0.231848	1.1675	135136.0	2.482314	Y
3	IC 200-182319/7	0.467	1.142353	1.1675	130321.0	2.446152	Y
4	ICIS 200-182319/8	0.934	2.221675	1.1675	139111.0	2.378667	Y
5	IC 200-182319/9	2.335	5.295352	1.1675	134930.0	2.267817	Y
6	IC 200-182319/10	9.34	21.449181	1.1675	128662.0	2.296486	Y



Calibration

/ Perfluorohexanoic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

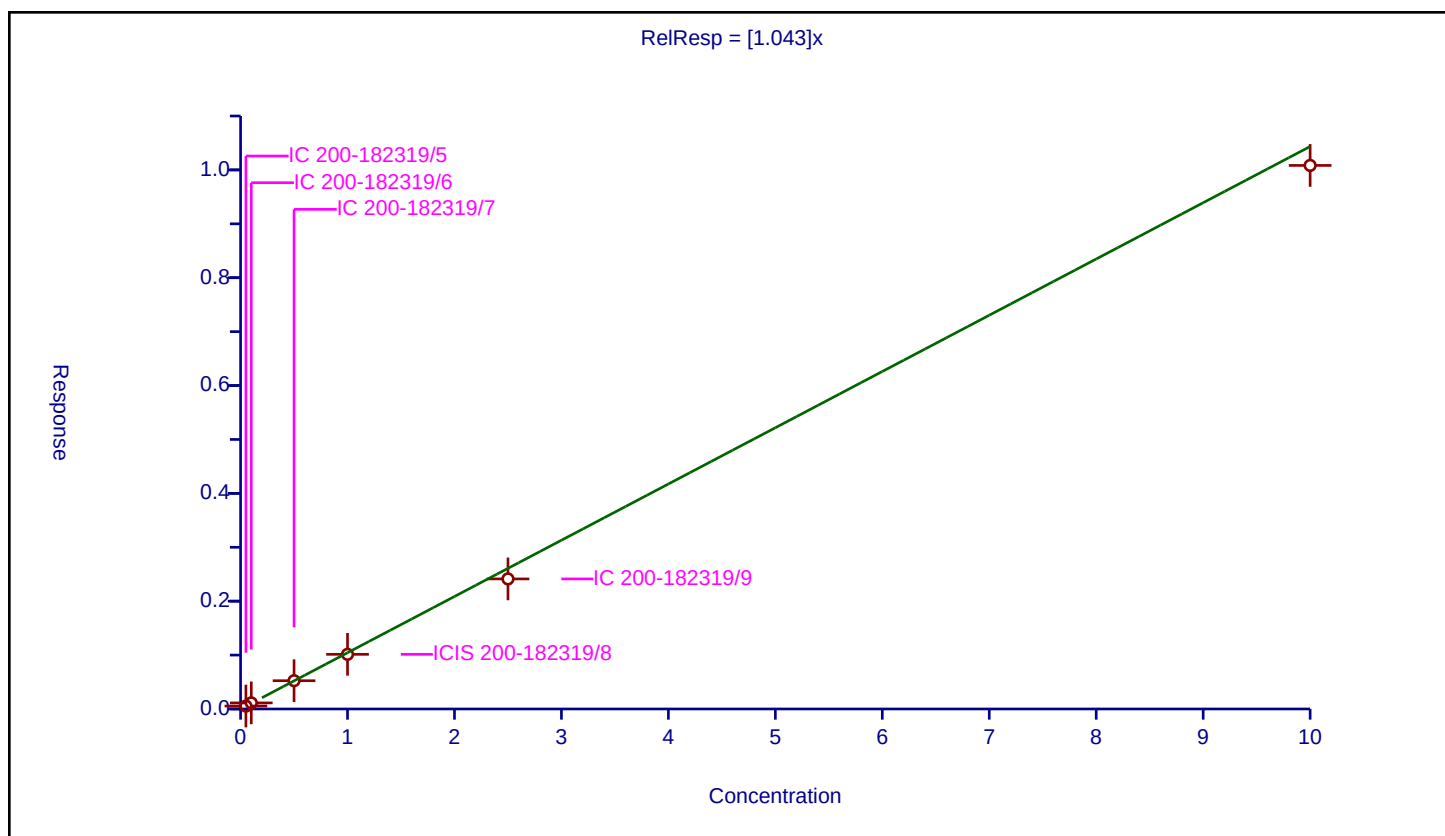
Curve Coefficients

Intercept: 0
Slope: 1.043

Error Coefficients

Standard Error: 5100000
Relative Standard Error: 5.8
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.05	0.054704	1.25	1413508.0	1.094086	Y
2	IC 200-182319/6	0.1	0.112992	1.25	1370007.0	1.129921	Y
3	IC 200-182319/7	0.5	0.524659	1.25	1432991.0	1.049317	Y
4	ICIS 200-182319/8	1.0	1.014043	1.25	1545822.0	1.014043	Y
5	IC 200-182319/9	2.5	2.412572	1.25	1429283.0	0.965029	Y
6	IC 200-182319/10	10.0	10.083565	1.25	1361444.0	1.008356	Y



Calibration

/ Perfluoropentanesulfonic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

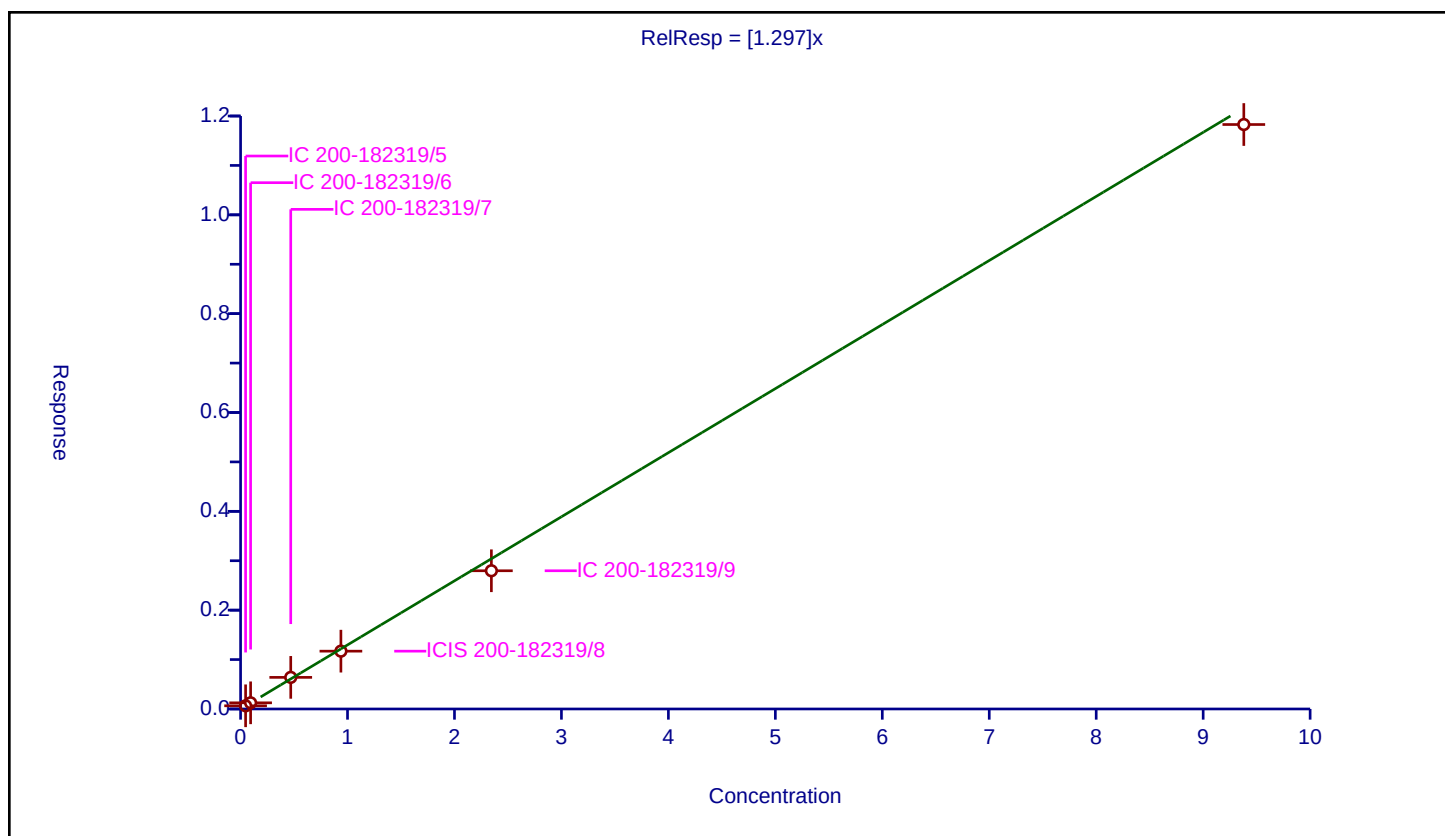
Curve Coefficients

Intercept: 0
Slope: 1.297

Error Coefficients

Standard Error: 5100000
Relative Standard Error: 5.7
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.0469	0.064744	1.1825	1066162.0	1.380462	Y
2	IC 200-182319/6	0.0938	0.125123	1.1825	1056649.0	1.333929	Y
3	IC 200-182319/7	0.469	0.639506	1.1825	1070938.0	1.363551	Y
4	ICIS 200-182319/8	0.938	1.170436	1.1825	1199930.0	1.247799	Y
5	IC 200-182319/9	2.345	2.79728	1.1825	1100091.0	1.19287	Y
6	IC 200-182319/10	9.38	11.82767	1.1825	1101269.0	1.260946	Y



Calibration

/ Perfluoro(2-propoxypropanoic) acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

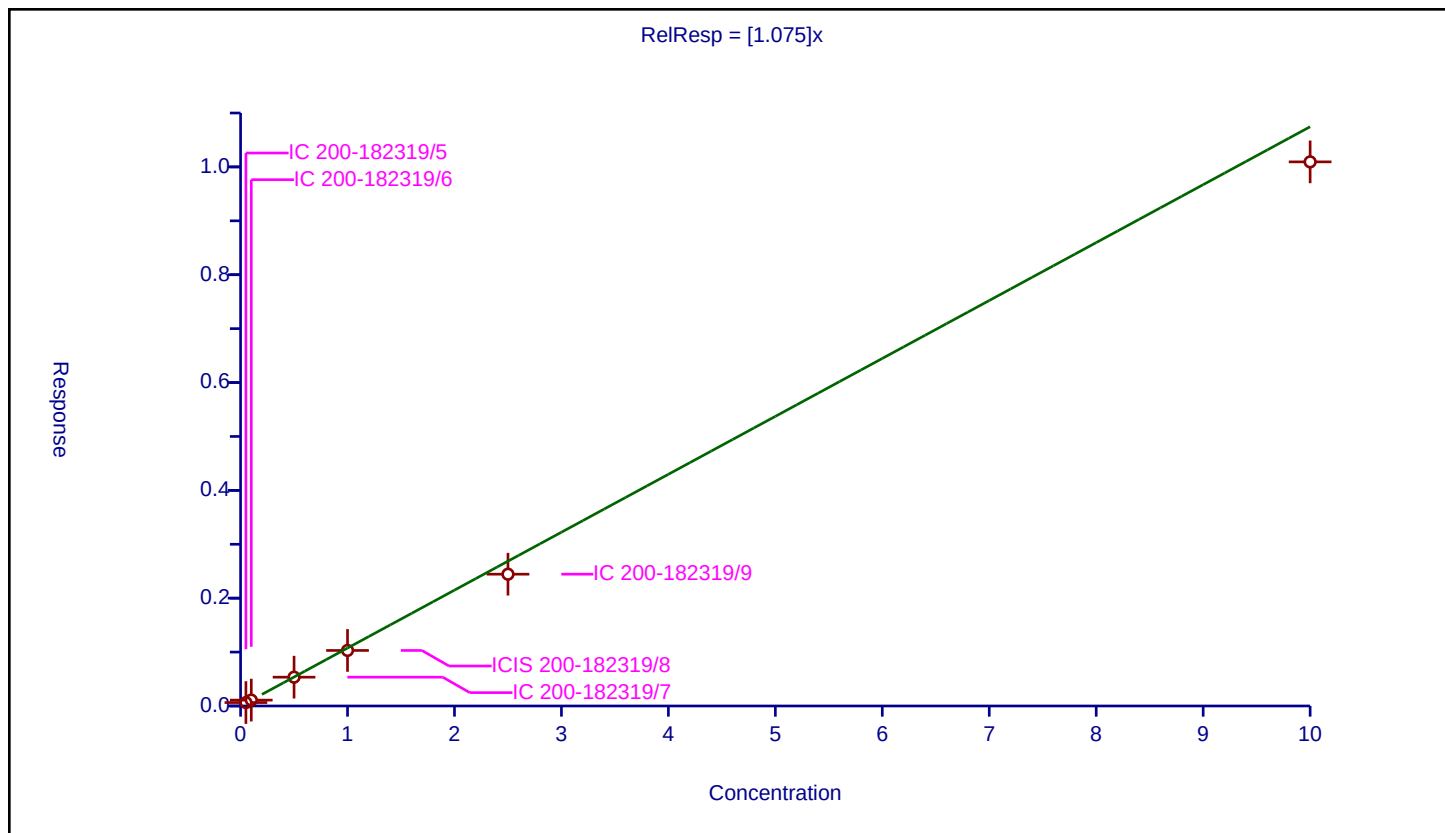
Curve Coefficients

Intercept: 0
 Slope: 1.075

Error Coefficients

Standard Error: 1020000
 Relative Standard Error: 9.6
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.05	0.063352	1.25	258219.0	1.267045	Y
2	IC 200-182319/6	0.1	0.10932	1.25	270250.0	1.093201	Y
3	IC 200-182319/7	0.5	0.534638	1.25	255203.0	1.069276	Y
4	ICIS 200-182319/8	1.0	1.030352	1.25	284467.0	1.030352	Y
5	IC 200-182319/9	2.5	2.444834	1.25	269301.0	0.977934	Y
6	IC 200-182319/10	10.0	10.093736	1.25	271626.0	1.009374	Y



Calibration

/ Perfluorohexanesulfonic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

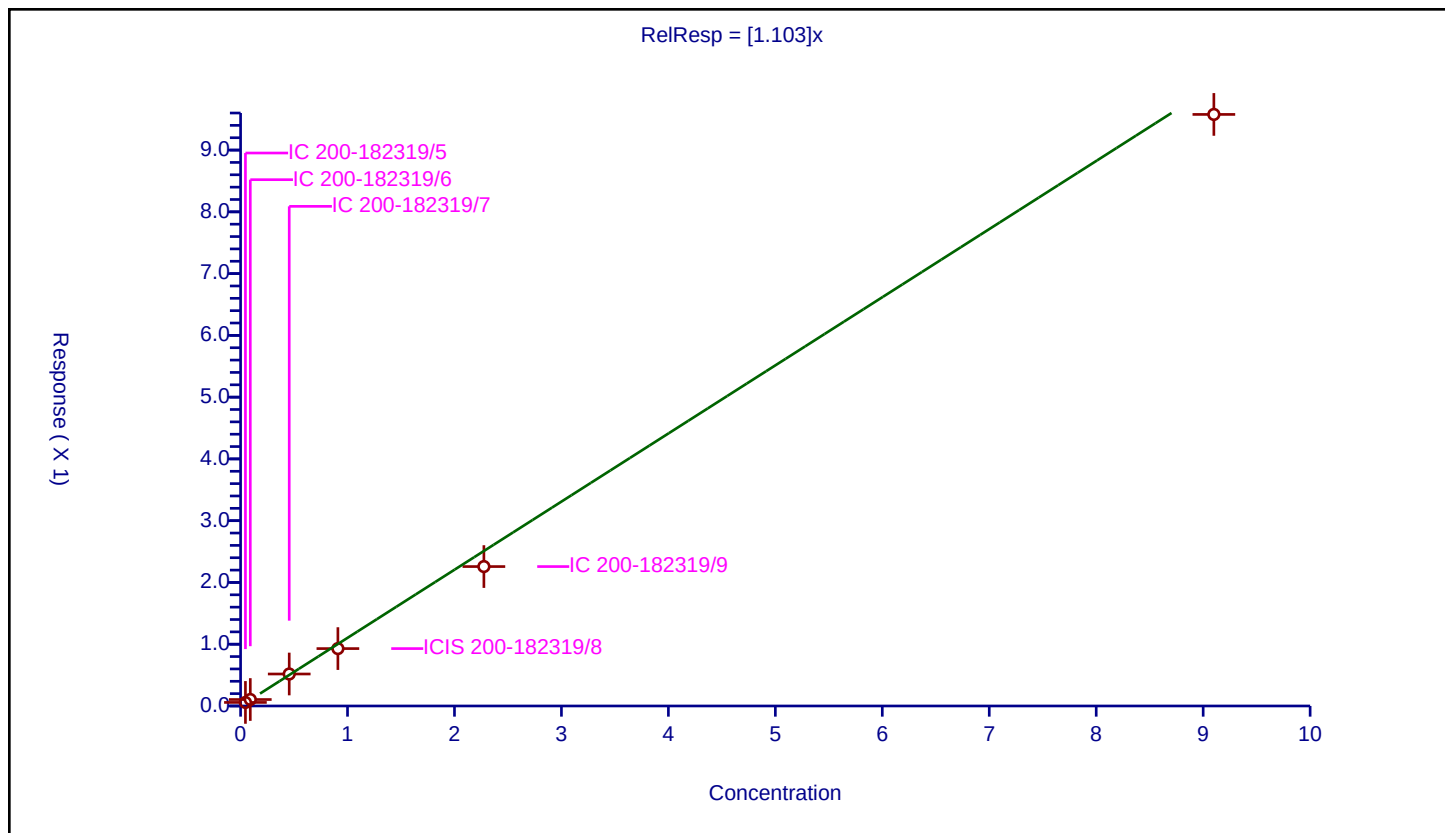
Curve Coefficients

Intercept: 0
 Slope: 1.103

Error Coefficients

Standard Error: 4130000
 Relative Standard Error: 9.2
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.0455	0.057553	1.1825	1066162.0	1.264907	Y
2	IC 200-182319/6	0.091	0.104492	1.1825	1056649.0	1.148262	Y
3	IC 200-182319/7	0.455	0.517971	1.1825	1070938.0	1.138397	Y
4	ICIS 200-182319/8	0.91	0.929468	1.1825	1199930.0	1.021393	Y
5	IC 200-182319/9	2.275	2.257341	1.1825	1100091.0	0.992238	Y
6	IC 200-182319/10	9.1	9.577256	1.1825	1101269.0	1.052446	Y



Calibration

/ Perfluoroheptanoic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

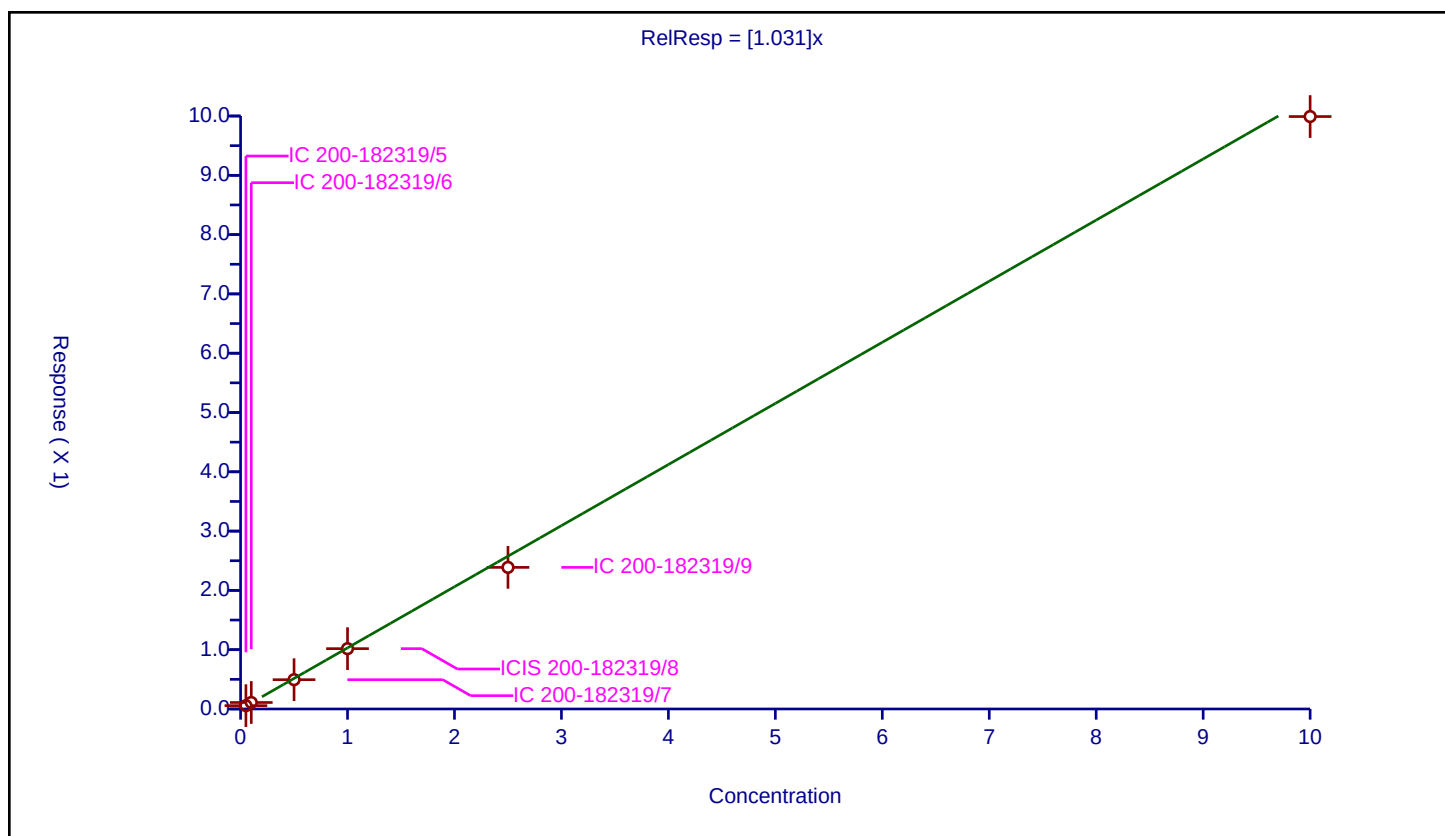
Curve Coefficients

Intercept: 0
Slope: 1.031

Error Coefficients

Standard Error: 5200000
Relative Standard Error: 6.5
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.05	0.056472	1.25	1452765.0	1.12945	Y
2	IC 200-182319/6	0.1	0.109407	1.25	1436597.0	1.09407	Y
3	IC 200-182319/7	0.5	0.494063	1.25	1532788.0	0.988126	Y
4	ICIS 200-182319/8	1.0	1.01747	1.25	1584230.0	1.01747	Y
5	IC 200-182319/9	2.5	2.388406	1.25	1462731.0	0.955362	Y
6	IC 200-182319/10	10.0	9.991172	1.25	1400879.0	0.999117	Y



Calibration

/ DONA

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

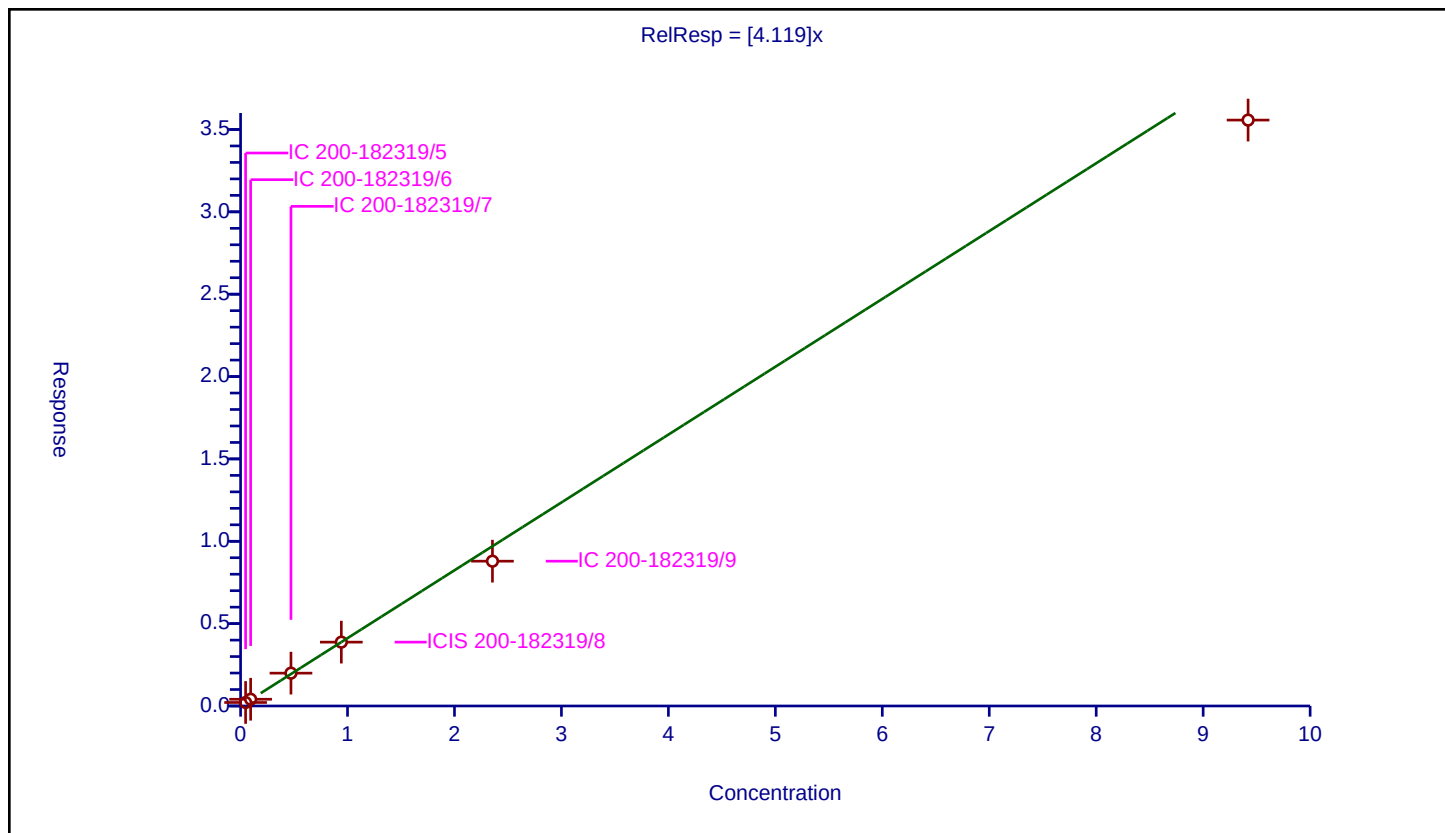
Curve Coefficients

Intercept: 0
 Slope: 4.119

Error Coefficients

Standard Error: 11300000
 Relative Standard Error: 7.6
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.0471	0.21237	1.195	814976.0	4.508922	Y
2	IC 200-182319/6	0.0942	0.40952	1.195	840757.0	4.347348	Y
3	IC 200-182319/7	0.471	1.993533	1.195	804391.0	4.232554	Y
4	ICIS 200-182319/8	0.942	3.876015	1.195	867294.0	4.114666	Y
5	IC 200-182319/9	2.355	8.791096	1.195	824732.0	3.732949	Y
6	IC 200-182319/10	9.42	35.571432	1.195	821046.0	3.776161	Y



Calibration

/ 1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)

Curve Type: Linear
 Weighting: Conc
 Origin: None
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

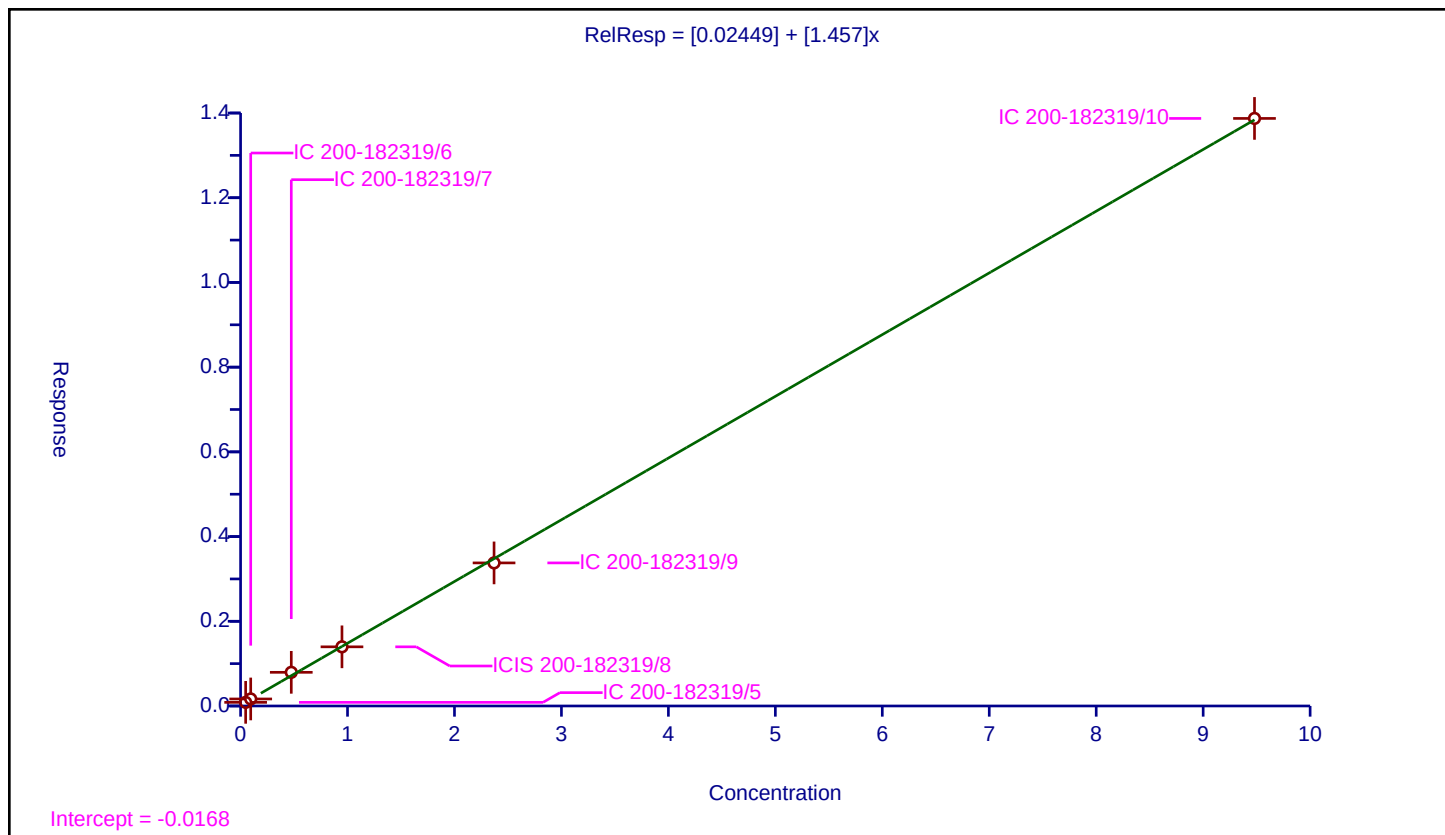
Curve Coefficients

Intercept: 0.02449
 Slope: 1.457

Error Coefficients

Standard Error: 1080000
 Relative Standard Error: 8.1
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.0474	0.086178	1.1875	190476.0	1.818098	Y
2	IC 200-182319/6	0.0948	0.16605	1.1875	181082.0	1.751584	Y
3	IC 200-182319/7	0.474	0.794837	1.1875	174667.0	1.676872	Y
4	ICIS 200-182319/8	0.948	1.396853	1.1875	203094.0	1.473474	Y
5	IC 200-182319/9	2.37	3.378094	1.1875	182060.0	1.425356	Y
6	IC 200-182319/10	9.48	13.872036	1.1875	177168.0	1.463295	Y



Calibration

/ Perfluoroheptanesulfonic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

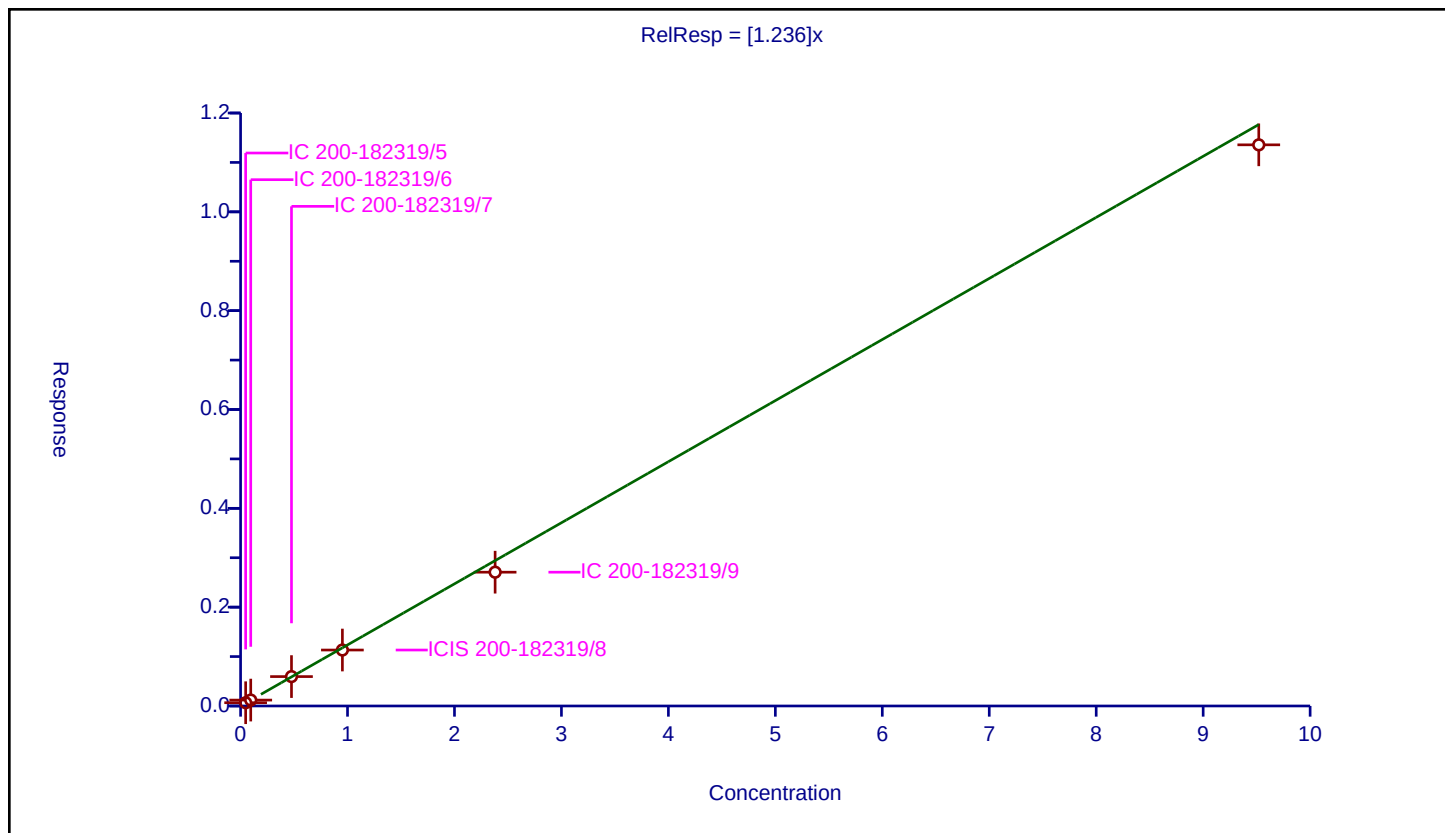
Curve Coefficients

Intercept: 0
Slope: 1.236

Error Coefficients

Standard Error: 3610000
Relative Standard Error: 7.1
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.0476	0.066325	1.195	814976.0	1.393386	Y
2	IC 200-182319/6	0.0952	0.11927	1.195	840757.0	1.252838	Y
3	IC 200-182319/7	0.476	0.594752	1.195	804391.0	1.24948	Y
4	ICIS 200-182319/8	0.952	1.132626	1.195	867294.0	1.189733	Y
5	IC 200-182319/9	2.38	2.707927	1.195	824732.0	1.137784	Y
6	IC 200-182319/10	9.52	11.35592	1.195	821046.0	1.192849	Y



Calibration

/ Perfluorooctanoic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

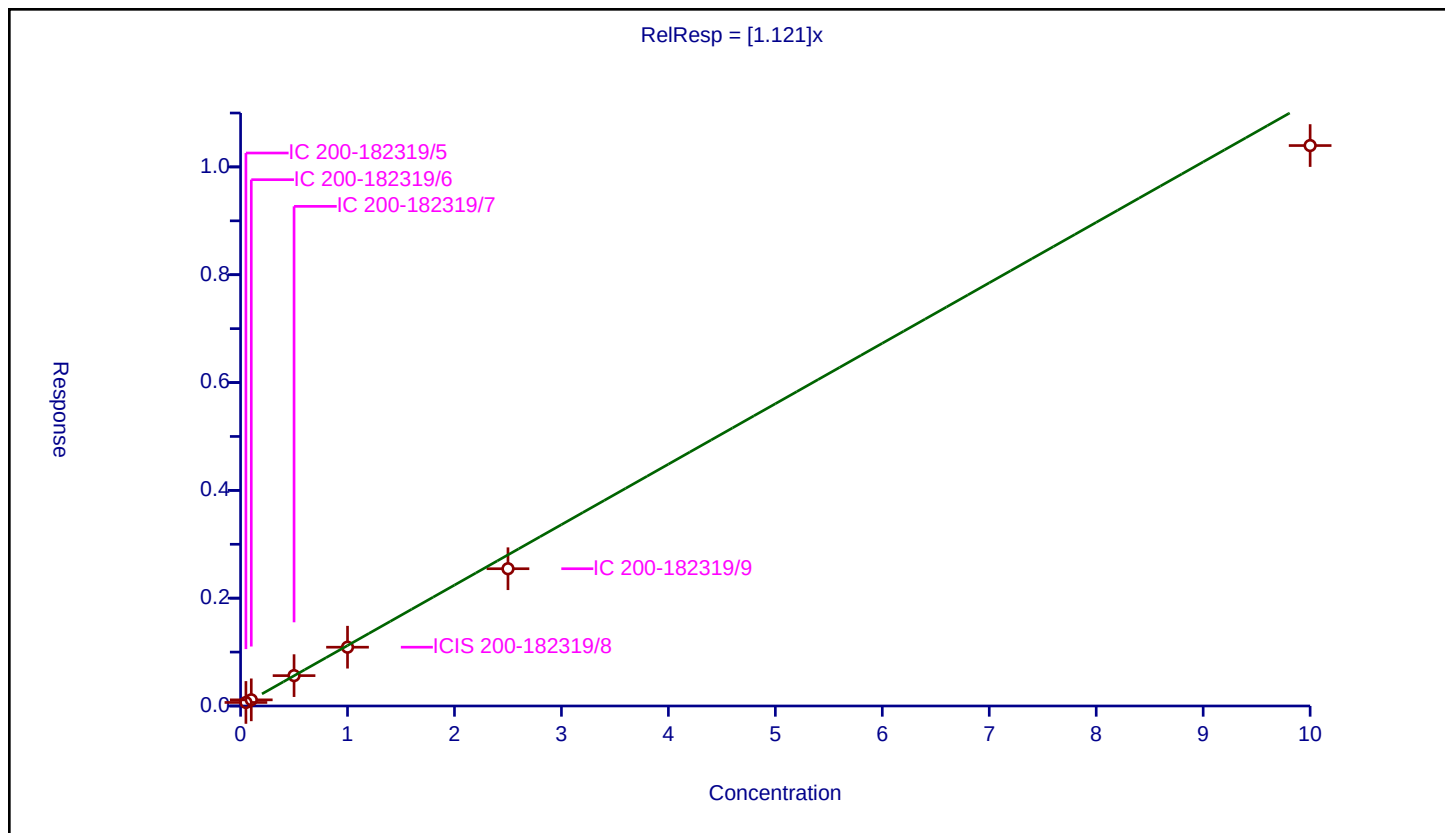
Curve Coefficients

Intercept: 0
 Slope: 1.121

Error Coefficients

Standard Error: 5730000
 Relative Standard Error: 9.3
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.05	0.065553	1.25	1484438.0	1.311052	Y
2	IC 200-182319/6	0.1	0.114208	1.25	1549546.0	1.142076	Y
3	IC 200-182319/7	0.5	0.563331	1.25	1470428.0	1.126662	Y
4	ICIS 200-182319/8	1.0	1.090494	1.25	1613787.0	1.090494	Y
5	IC 200-182319/9	2.5	2.546176	1.25	1484954.0	1.01847	Y
6	IC 200-182319/10	10.0	10.396368	1.25	1483901.0	1.039637	Y



Calibration

/ Perfluorooctanesulfonic acid

Curve Type: Linear
 Weighting: Conc
 Origin: None
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

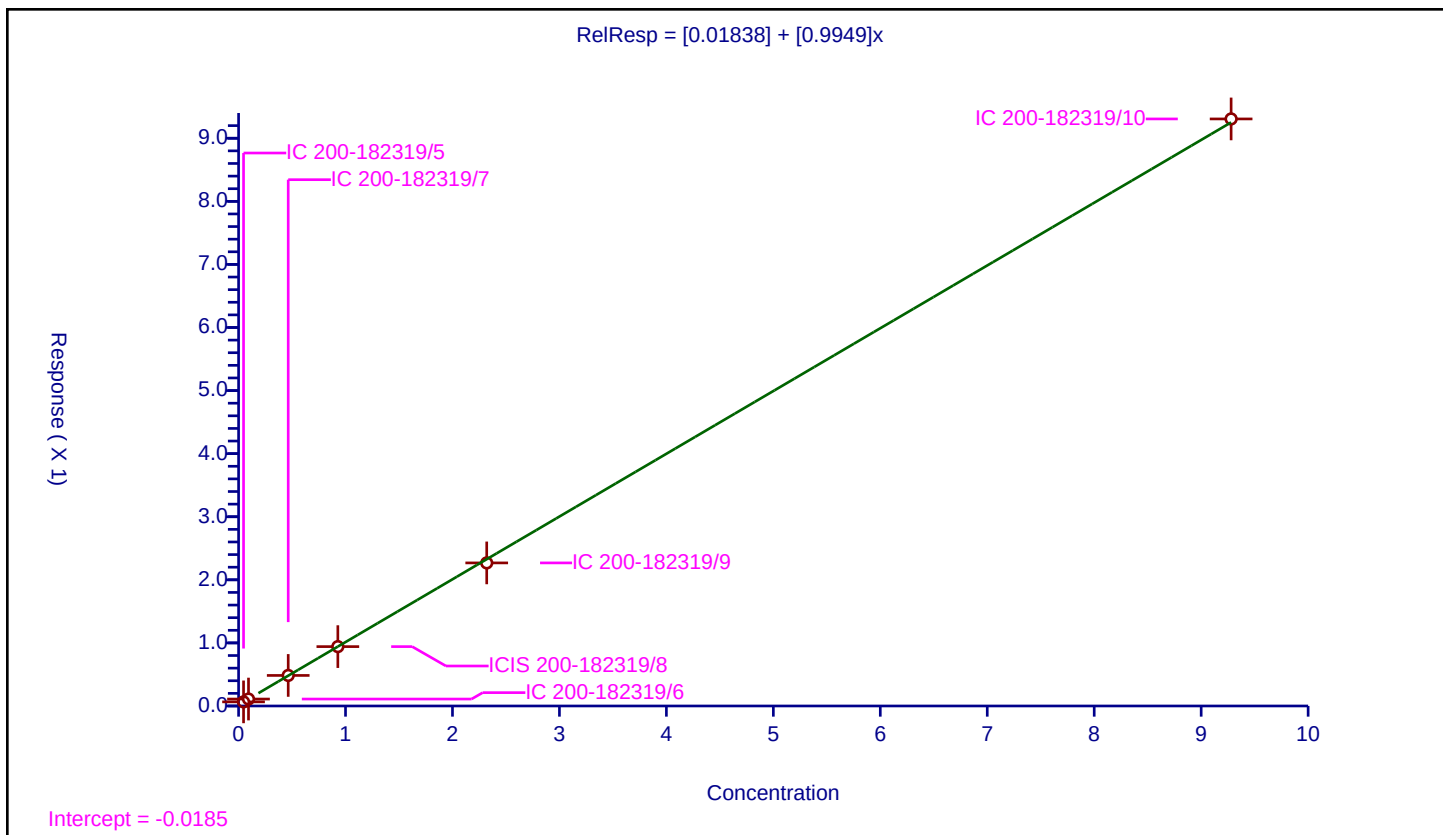
Curve Coefficients

Intercept: 0.01838
 Slope: 0.9949

Error Coefficients

Standard Error: 3310000
 Relative Standard Error: 1.6
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.0464	0.065258	1.195	814976.0	1.406416	Y
2	IC 200-182319/6	0.0928	0.110269	1.195	840757.0	1.188242	Y
3	IC 200-182319/7	0.464	0.484379	1.195	804391.0	1.043919	Y
4	ICIS 200-182319/8	0.928	0.941134	1.195	867294.0	1.014153	Y
5	IC 200-182319/9	2.32	2.268101	1.195	824732.0	0.97763	Y
6	IC 200-182319/10	9.28	9.305971	1.195	821046.0	1.002799	Y



Calibration

/ Perfluorononanoic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

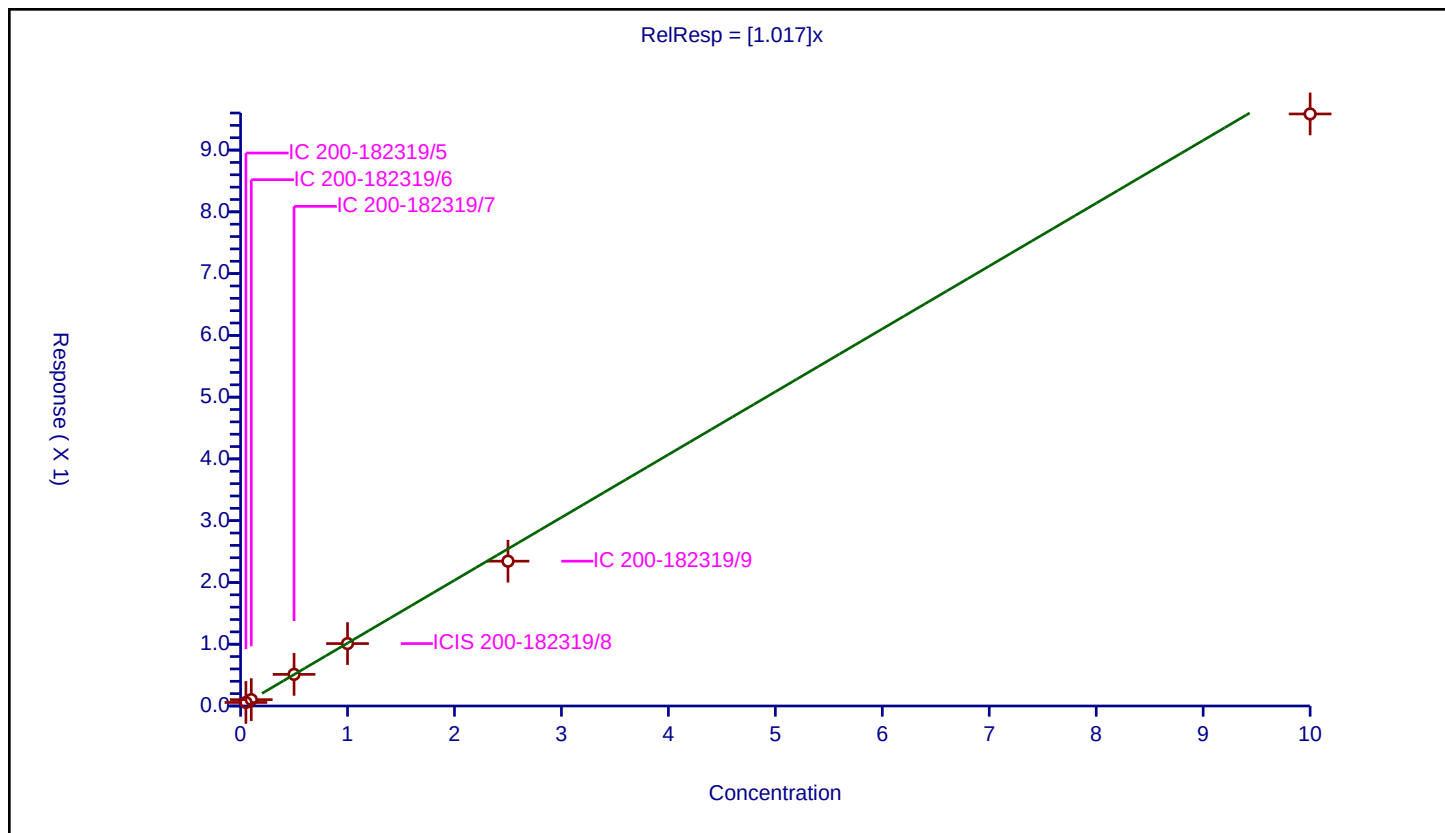
Curve Coefficients

Intercept: 0
 Slope: 1.017

Error Coefficients

Standard Error: 5310000
 Relative Standard Error: 7.1
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.05	0.057229	1.25	1565872.0	1.144586	Y
2	IC 200-182319/6	0.1	0.103005	1.25	1602191.0	1.03005	Y
3	IC 200-182319/7	0.5	0.511784	1.25	1491888.0	1.023567	Y
4	ICIS 200-182319/8	1.0	1.010464	1.25	1743026.0	1.010464	Y
5	IC 200-182319/9	2.5	2.344456	1.25	1550788.0	0.937783	Y
6	IC 200-182319/10	10.0	9.584917	1.25	1487561.0	0.958492	Y



Calibration

/ 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

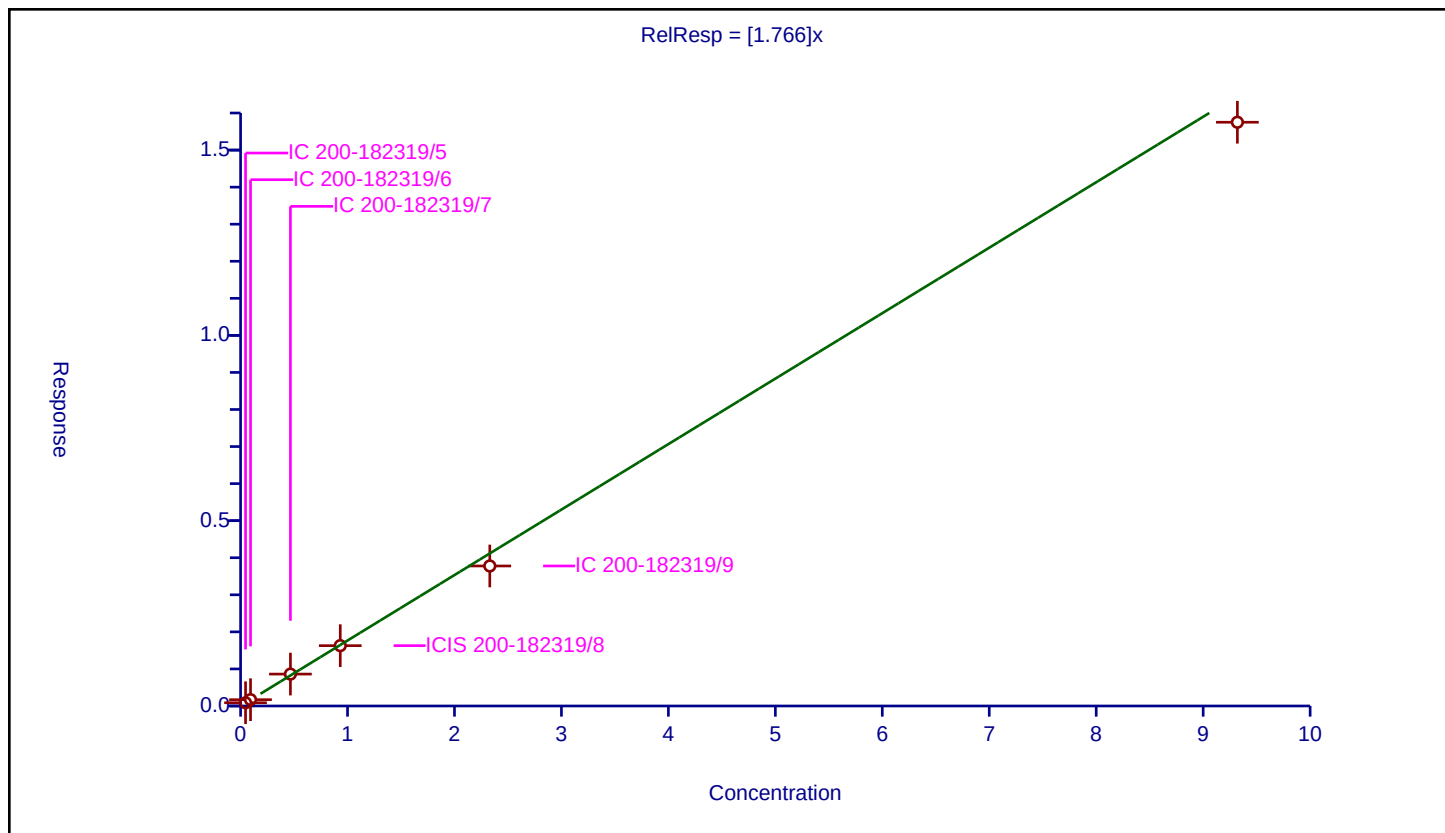
Curve Coefficients

Intercept: 0
 Slope: 1.766

Error Coefficients

Standard Error: 5010000
 Relative Standard Error: 5.5
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.0466	0.087154	1.195	814976.0	1.870257	Y
2	IC 200-182319/6	0.0932	0.169937	1.195	840757.0	1.823354	Y
3	IC 200-182319/7	0.466	0.860754	1.195	804391.0	1.847112	Y
4	ICIS 200-182319/8	0.932	1.628084	1.195	867294.0	1.746871	Y
5	IC 200-182319/9	2.33	3.777759	1.195	824732.0	1.621356	Y
6	IC 200-182319/10	9.32	15.751201	1.195	821046.0	1.690043	Y



Calibration

/ Perfluorononanesulfonic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

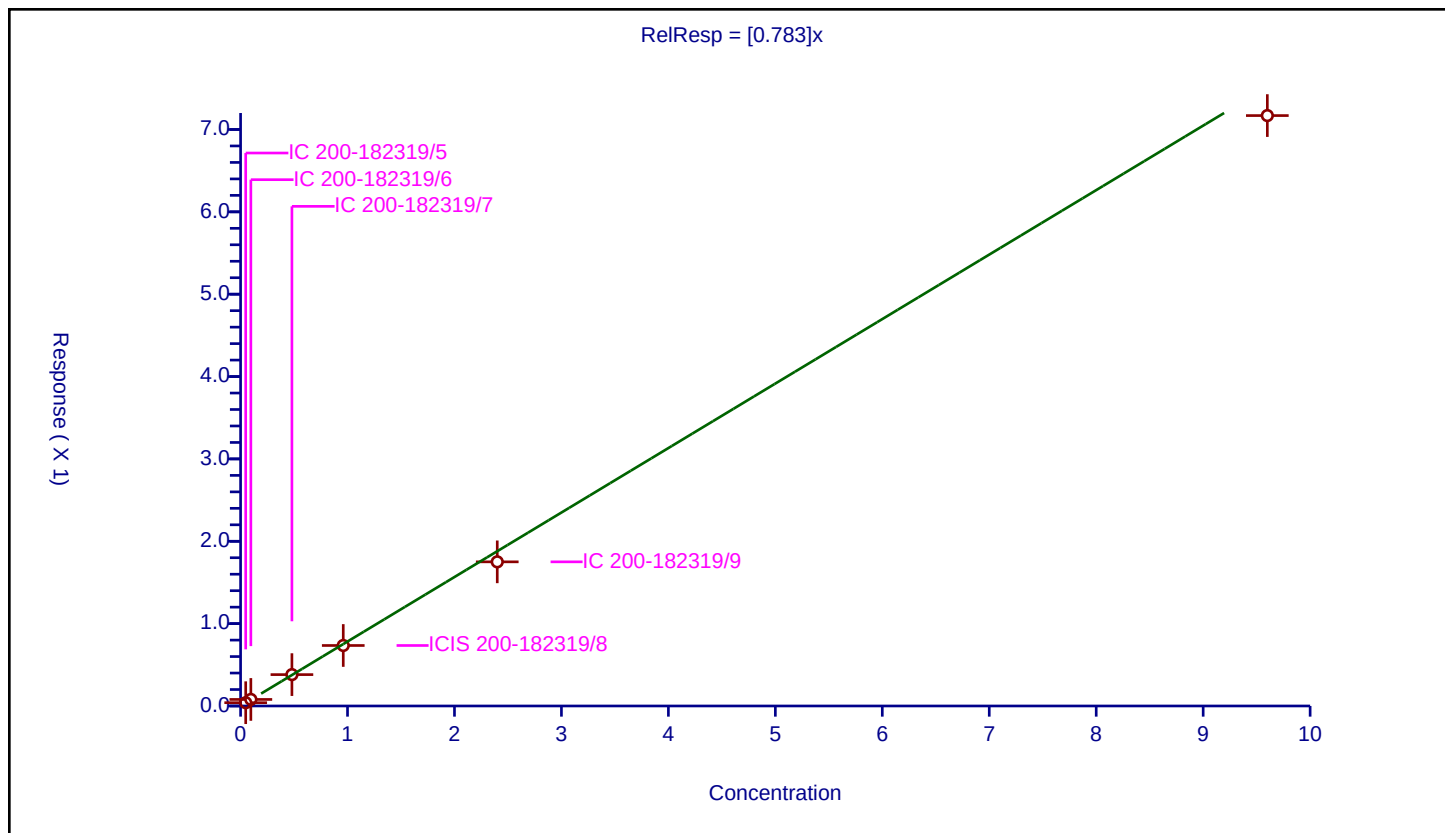
Curve Coefficients

Intercept: 0
 Slope: 0.783

Error Coefficients

Standard Error: 2280000
 Relative Standard Error: 5.5
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.048	0.040043	1.195	814976.0	0.834234	Y
2	IC 200-182319/6	0.096	0.079567	1.195	840757.0	0.828818	Y
3	IC 200-182319/7	0.48	0.380935	1.195	804391.0	0.793615	Y
4	ICIS 200-182319/8	0.96	0.734567	1.195	867294.0	0.765174	Y
5	IC 200-182319/9	2.4	1.75015	1.195	824732.0	0.729229	Y
6	IC 200-182319/10	9.6	7.169071	1.195	821046.0	0.746778	Y



Calibration

/ Perfluorodecanoic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

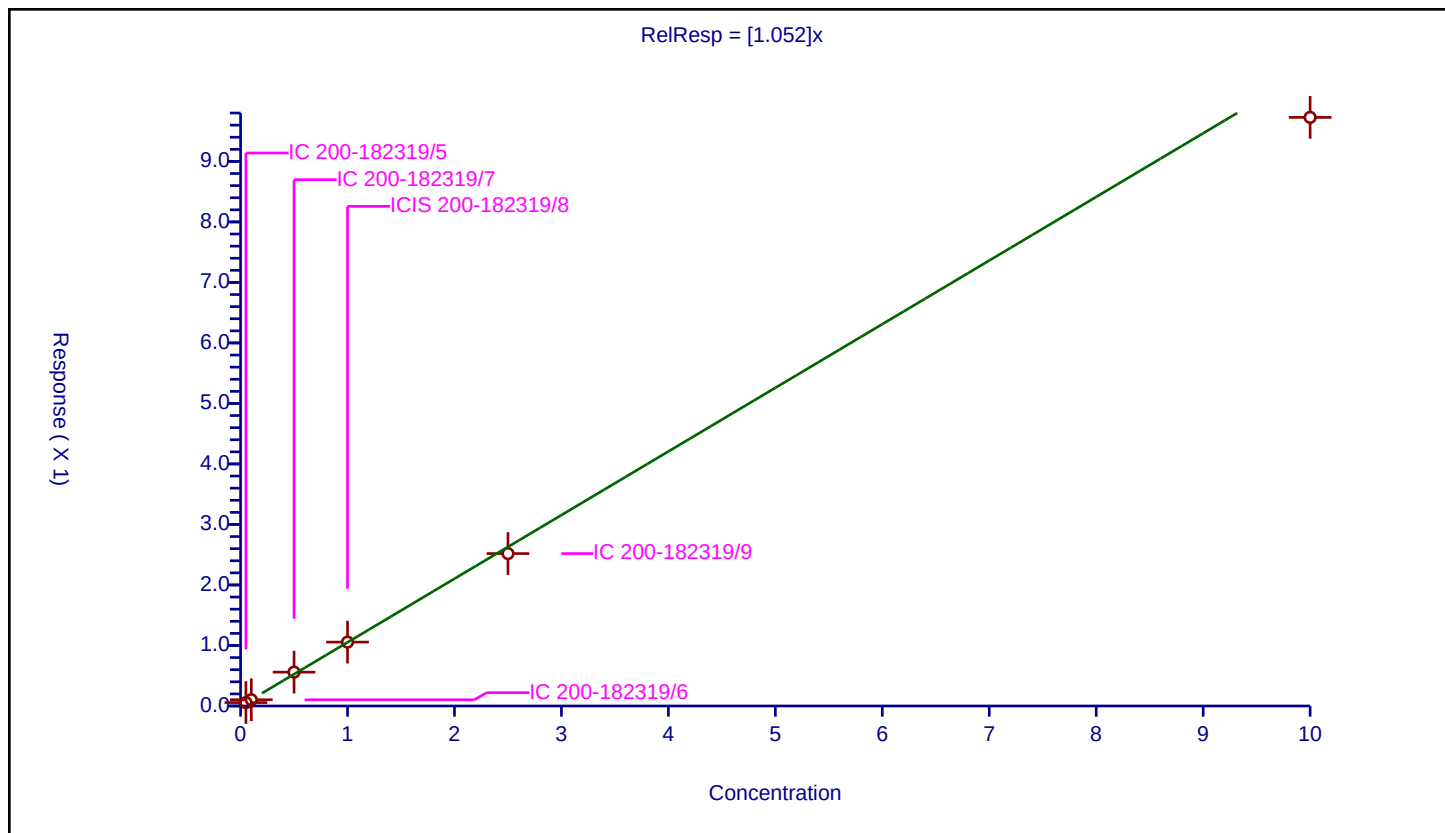
Curve Coefficients

Intercept: 0
 Slope: 1.052

Error Coefficients

Standard Error: 5360000
 Relative Standard Error: 5.8
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.05	0.056353	1.25	1472294.0	1.127051	Y
2	IC 200-182319/6	0.1	0.102939	1.25	1591995.0	1.029392	Y
3	IC 200-182319/7	0.5	0.558835	1.25	1496707.0	1.11767	Y
4	ICIS 200-182319/8	1.0	1.055735	1.25	1674653.0	1.055735	Y
5	IC 200-182319/9	2.5	2.518868	1.25	1471206.0	1.007547	Y
6	IC 200-182319/10	10.0	9.727934	1.25	1479189.0	0.972793	Y



Calibration

/ 1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

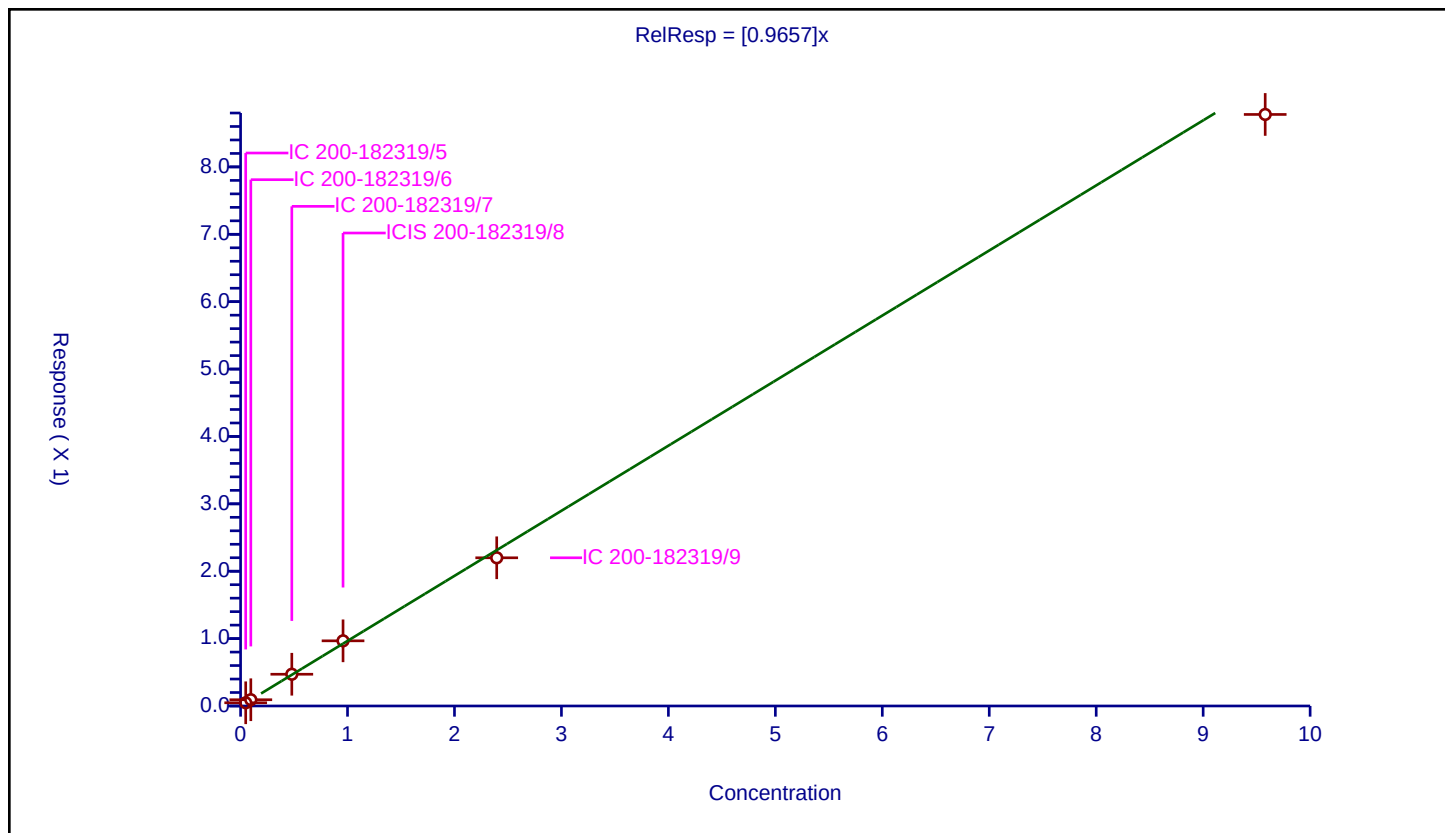
Curve Coefficients

Intercept: 0
 Slope: 0.9657

Error Coefficients

Standard Error: 755000
 Relative Standard Error: 4.1
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.0479	0.047773	1.1975	230513.0	0.997341	Y
2	IC 200-182319/6	0.0958	0.092816	1.1975	221797.0	0.968848	Y
3	IC 200-182319/7	0.479	0.471193	1.1975	212018.0	0.983702	Y
4	ICIS 200-182319/8	0.958	0.96708	1.1975	240555.0	1.009478	Y
5	IC 200-182319/9	2.395	2.199187	1.1975	217682.0	0.918241	Y
6	IC 200-182319/10	9.58	8.778809	1.1975	221709.0	0.916368	Y



Calibration

/ Perfluorooctanesulfonamide

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

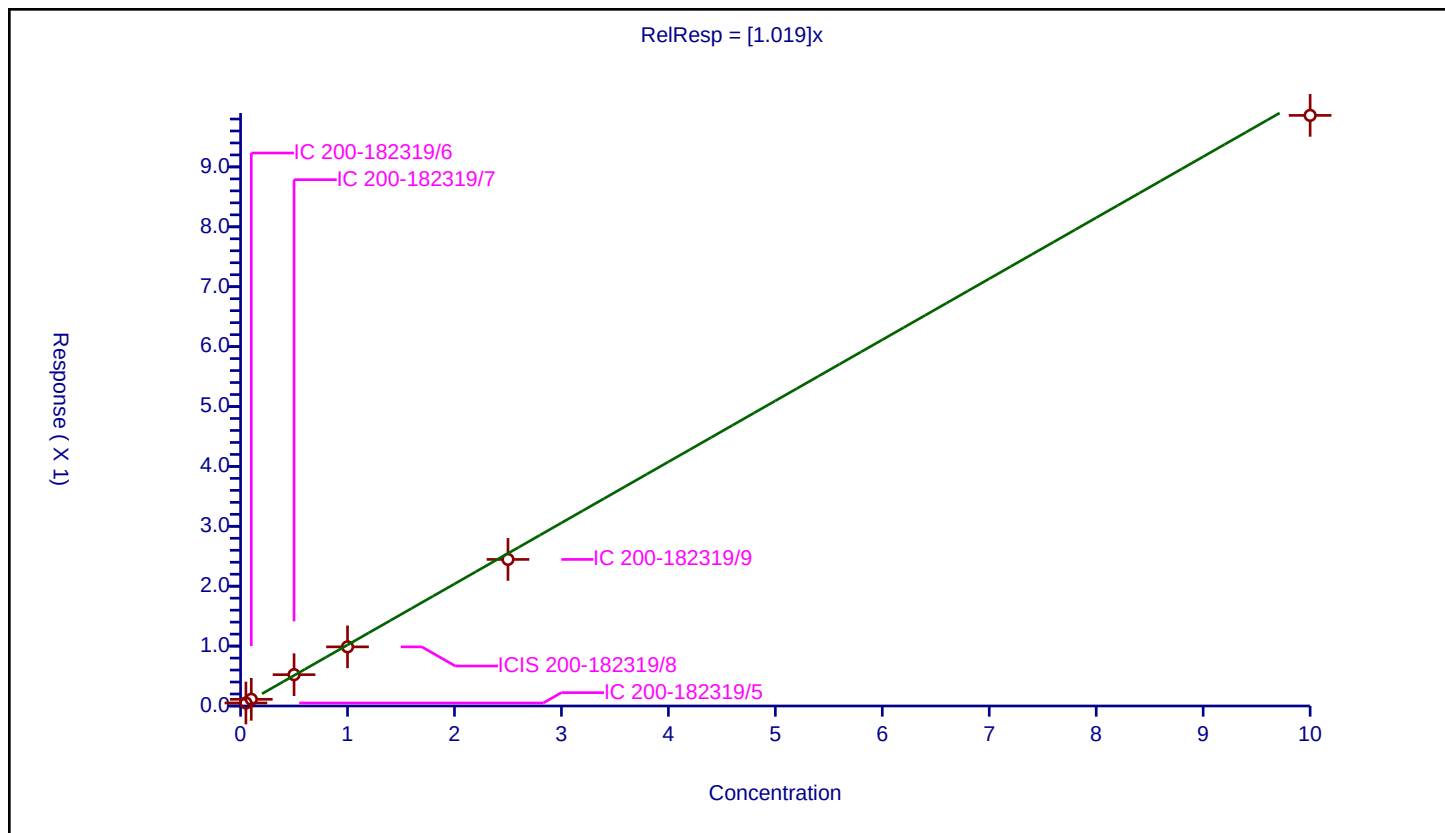
Curve Coefficients

Intercept: 0
 Slope: 1.019

Error Coefficients

Standard Error: 4730000
 Relative Standard Error: 5.1
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.05	0.050124	1.25	1351035.0	1.002472	Y
2	IC 200-182319/6	0.1	0.111322	1.25	1346274.0	1.113221	Y
3	IC 200-182319/7	0.5	0.523051	1.25	1341161.0	1.046103	Y
4	ICIS 200-182319/8	1.0	0.987356	1.25	1386621.0	0.987356	Y
5	IC 200-182319/9	2.5	2.447205	1.25	1316398.0	0.978882	Y
6	IC 200-182319/10	10.0	9.860169	1.25	1290314.0	0.986017	Y



Calibration

/ N-methylperfluorooctanesulfonamidoacetic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

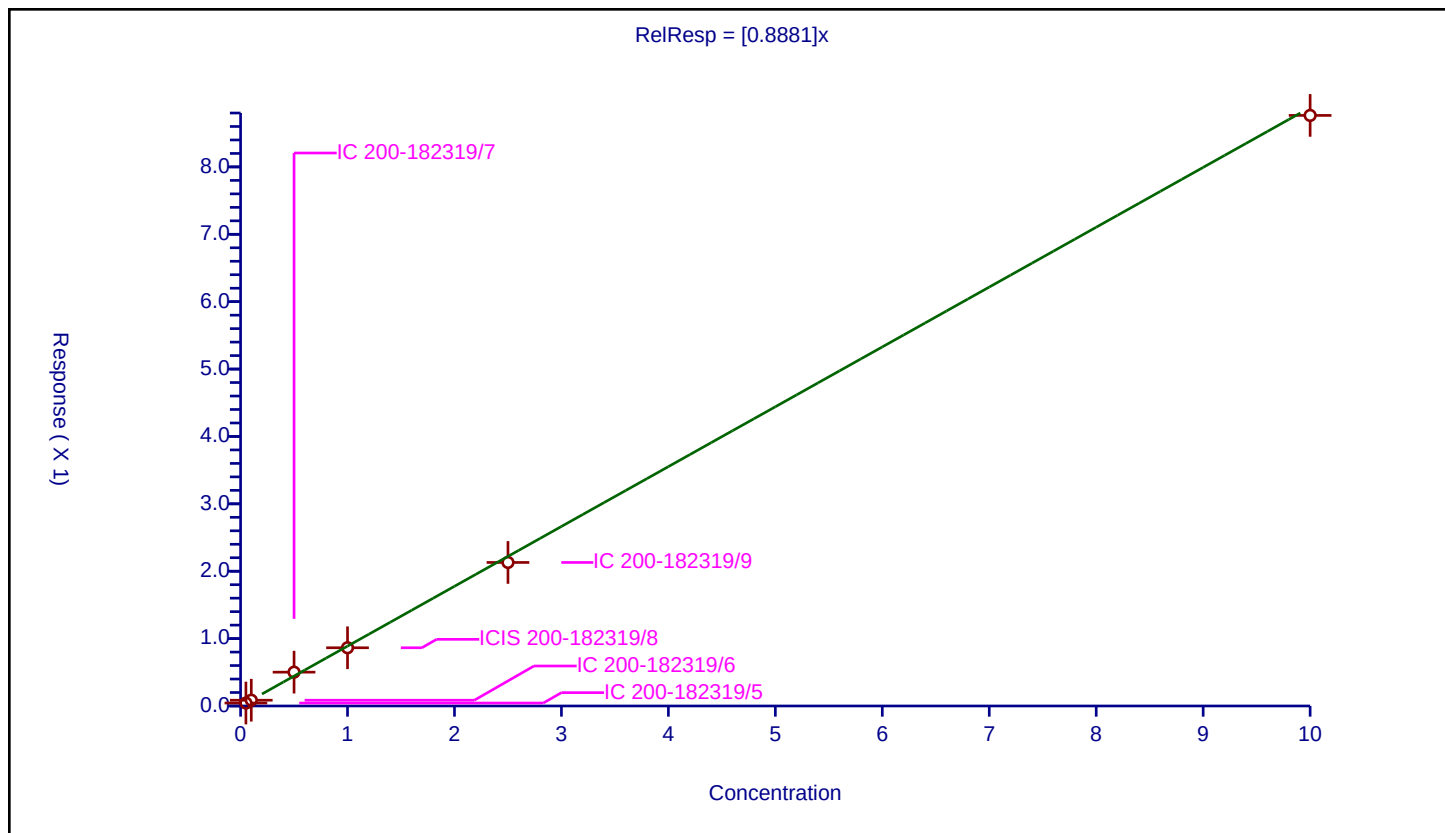
Curve Coefficients

Intercept: 0
 Slope: 0.8881

Error Coefficients

Standard Error: 676000
 Relative Standard Error: 6.5
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.05	0.043851	1.25	199141.0	0.877017	Y
2	IC 200-182319/6	0.1	0.085513	1.25	200758.0	0.855134	Y
3	IC 200-182319/7	0.5	0.501849	1.25	194324.0	1.003697	Y
4	ICIS 200-182319/8	1.0	0.864294	1.25	222702.0	0.864294	Y
5	IC 200-182319/9	2.5	2.130228	1.25	205583.0	0.852091	Y
6	IC 200-182319/10	10.0	8.764336	1.25	208390.0	0.876434	Y



Calibration

/ Perfluorodecanesulfonic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

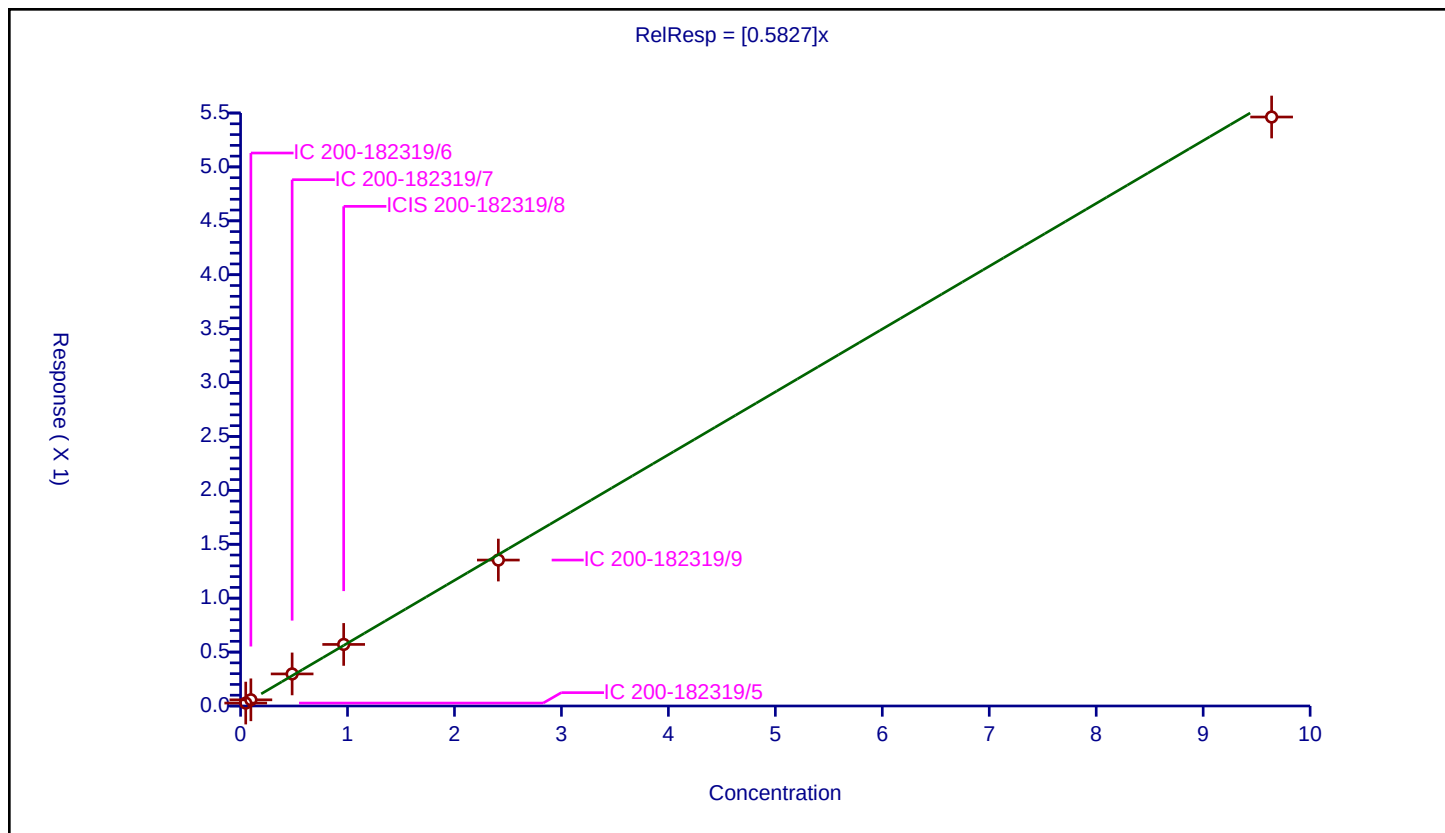
Curve Coefficients

Intercept: 0
 Slope: 0.5827

Error Coefficients

Standard Error: 1740000
 Relative Standard Error: 3.9
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.0482	0.027128	1.195	814976.0	0.562822	Y
2	IC 200-182319/6	0.0964	0.057378	1.195	840757.0	0.595207	Y
3	IC 200-182319/7	0.482	0.297464	1.195	804391.0	0.617145	Y
4	ICIS 200-182319/8	0.964	0.571076	1.195	867294.0	0.592402	Y
5	IC 200-182319/9	2.41	1.353617	1.195	824732.0	0.561667	Y
6	IC 200-182319/10	9.64	5.462847	1.195	821046.0	0.566685	Y



Calibration

/ Perfluoroundecanoic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

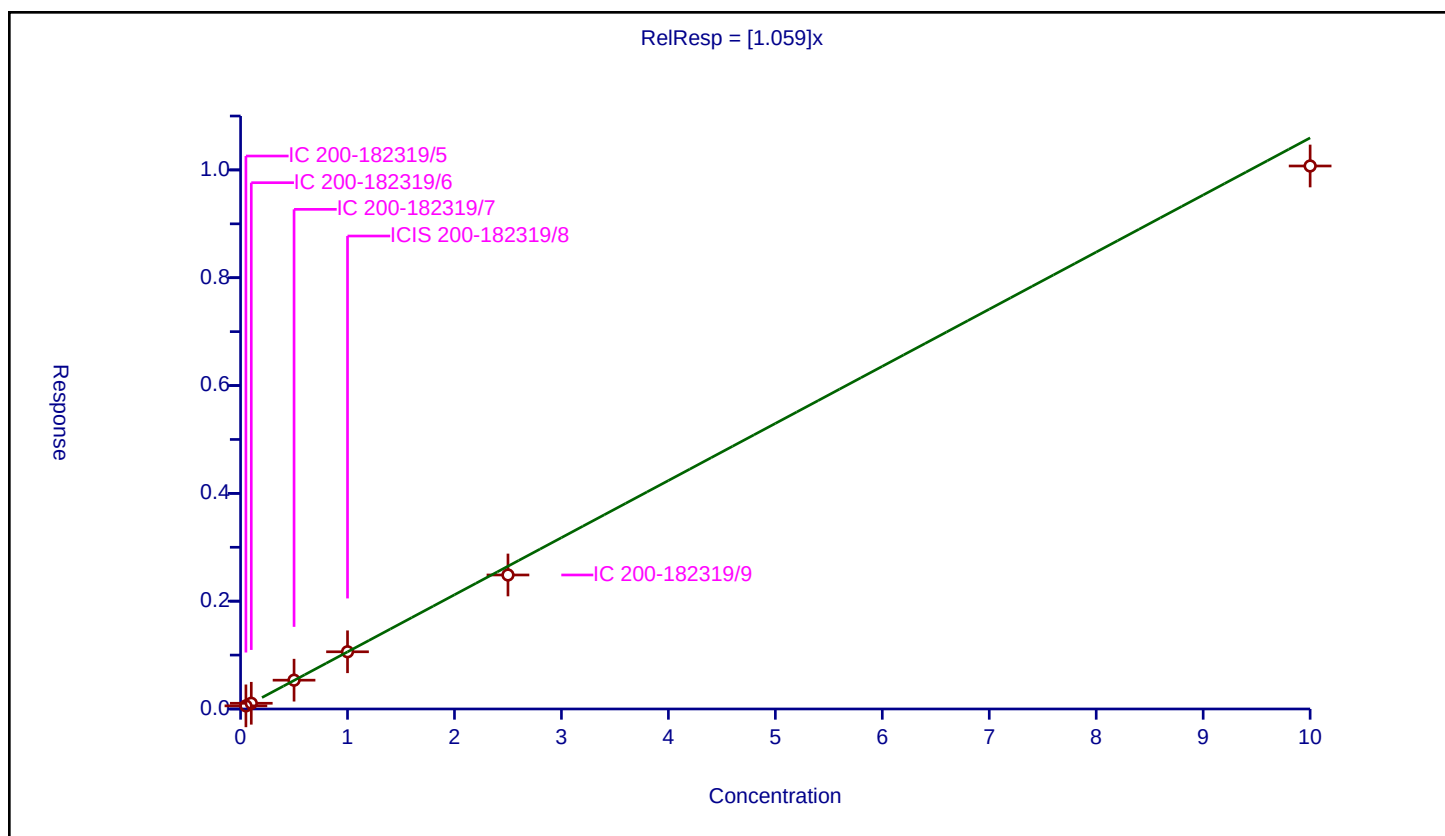
Curve Coefficients

Intercept: 0
Slope: 1.059

Error Coefficients

Standard Error: 4120000
Relative Standard Error: 5.7
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.05	0.058277	1.25	1125897.0	1.165537	Y
2	IC 200-182319/6	0.1	0.105945	1.25	1204305.0	1.059449	Y
3	IC 200-182319/7	0.5	0.534284	1.25	1177558.0	1.068567	Y
4	ICIS 200-182319/8	1.0	1.061366	1.25	1185895.0	1.061366	Y
5	IC 200-182319/9	2.5	2.485995	1.25	1162923.0	0.994398	Y
6	IC 200-182319/10	10.0	10.073103	1.25	1097436.0	1.00731	Y



Calibration

/ N-ethylperfluorooctanesulfonamidoacetic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

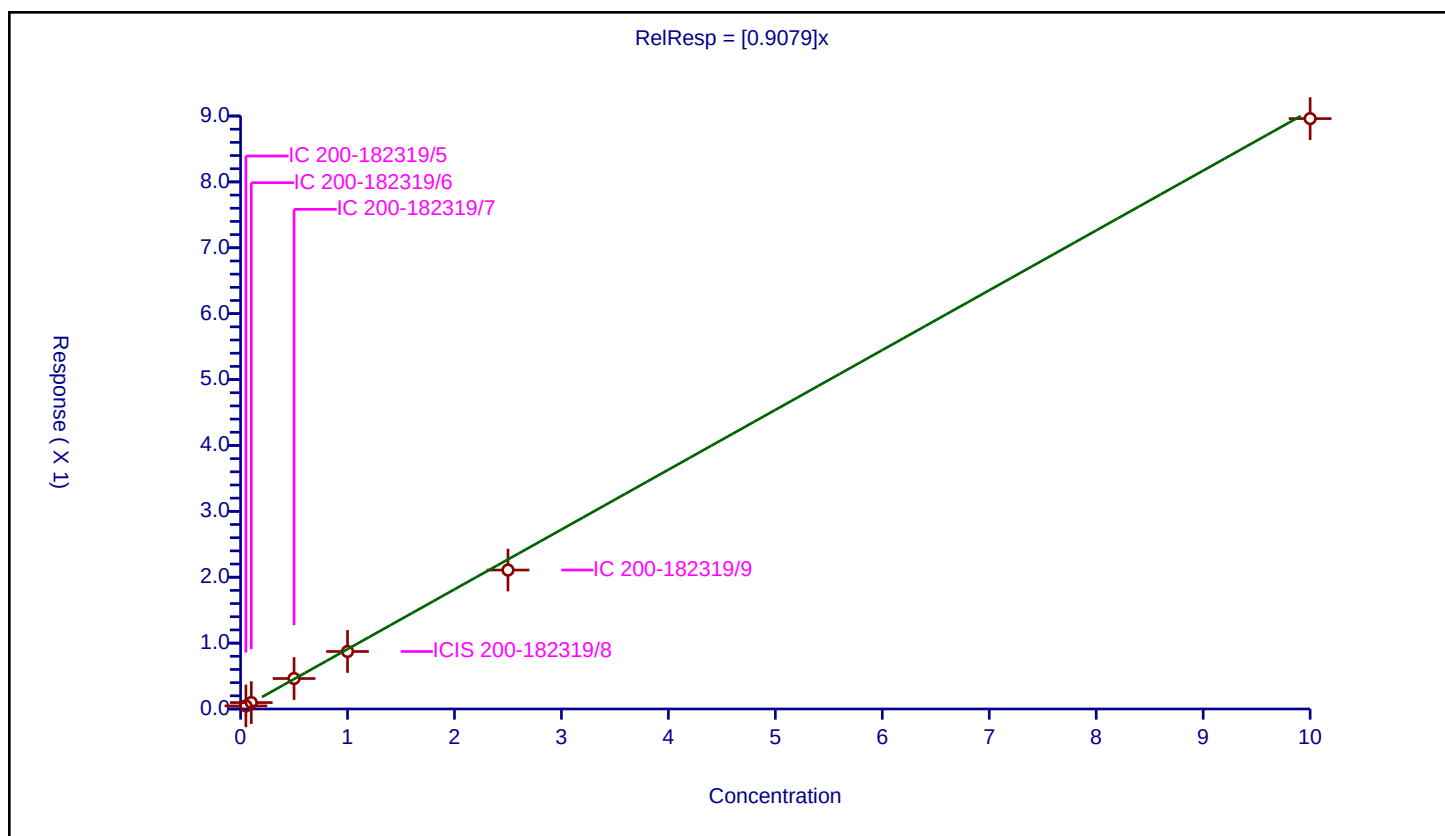
Curve Coefficients

Intercept: 0
 Slope: 0.9079

Error Coefficients

Standard Error: 611000
 Relative Standard Error: 5.2
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.05	0.046803	1.25	194163.0	0.936069	Y
2	IC 200-182319/6	0.1	0.097407	1.25	191350.0	0.974066	Y
3	IC 200-182319/7	0.5	0.46255	1.25	194014.0	0.925101	Y
4	ICIS 200-182319/8	1.0	0.872636	1.25	206475.0	0.872636	Y
5	IC 200-182319/9	2.5	2.108856	1.25	195385.0	0.843542	Y
6	IC 200-182319/10	10.0	8.960818	1.25	183559.0	0.896082	Y



Calibration

/ 11-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

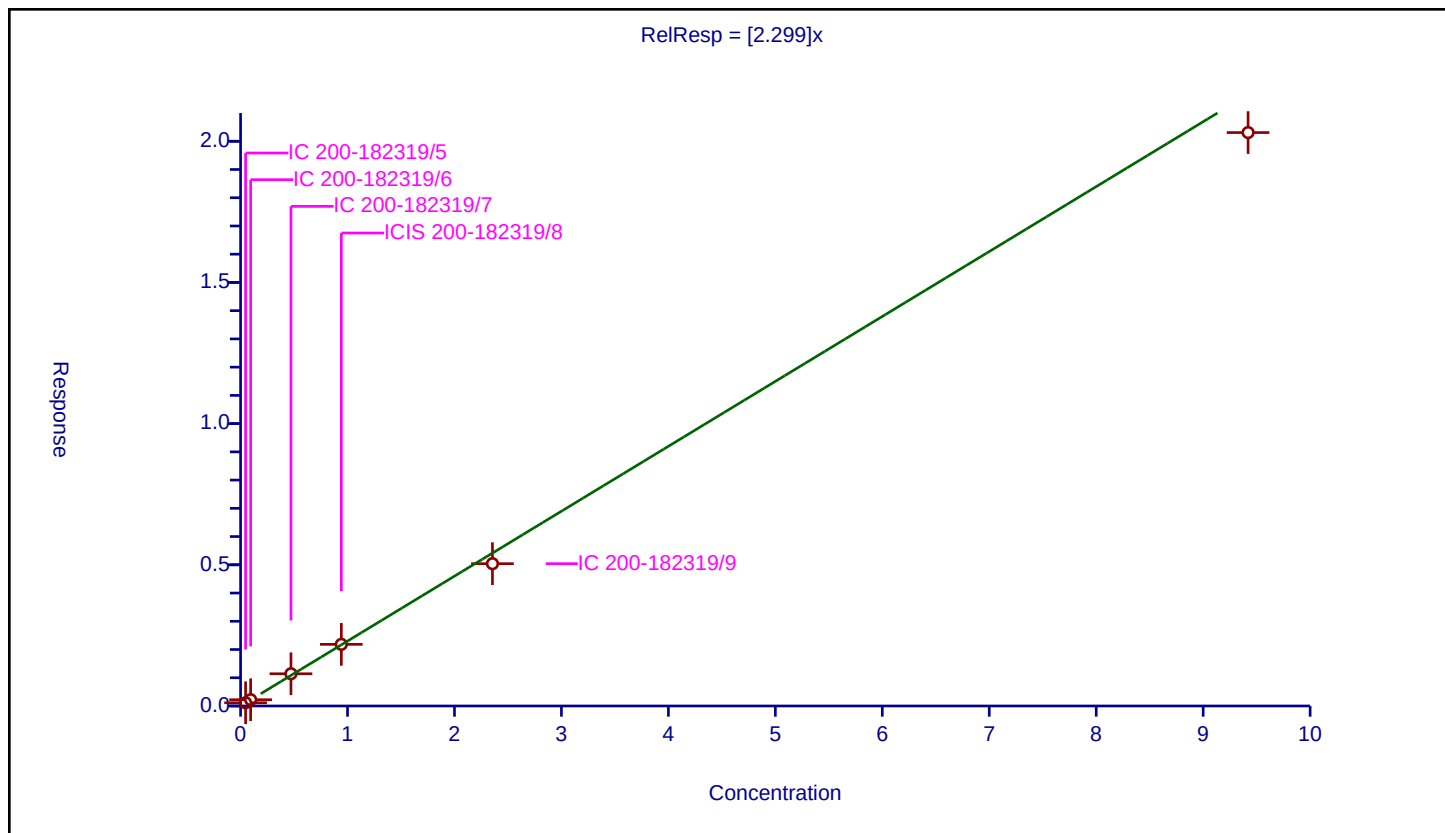
Curve Coefficients

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

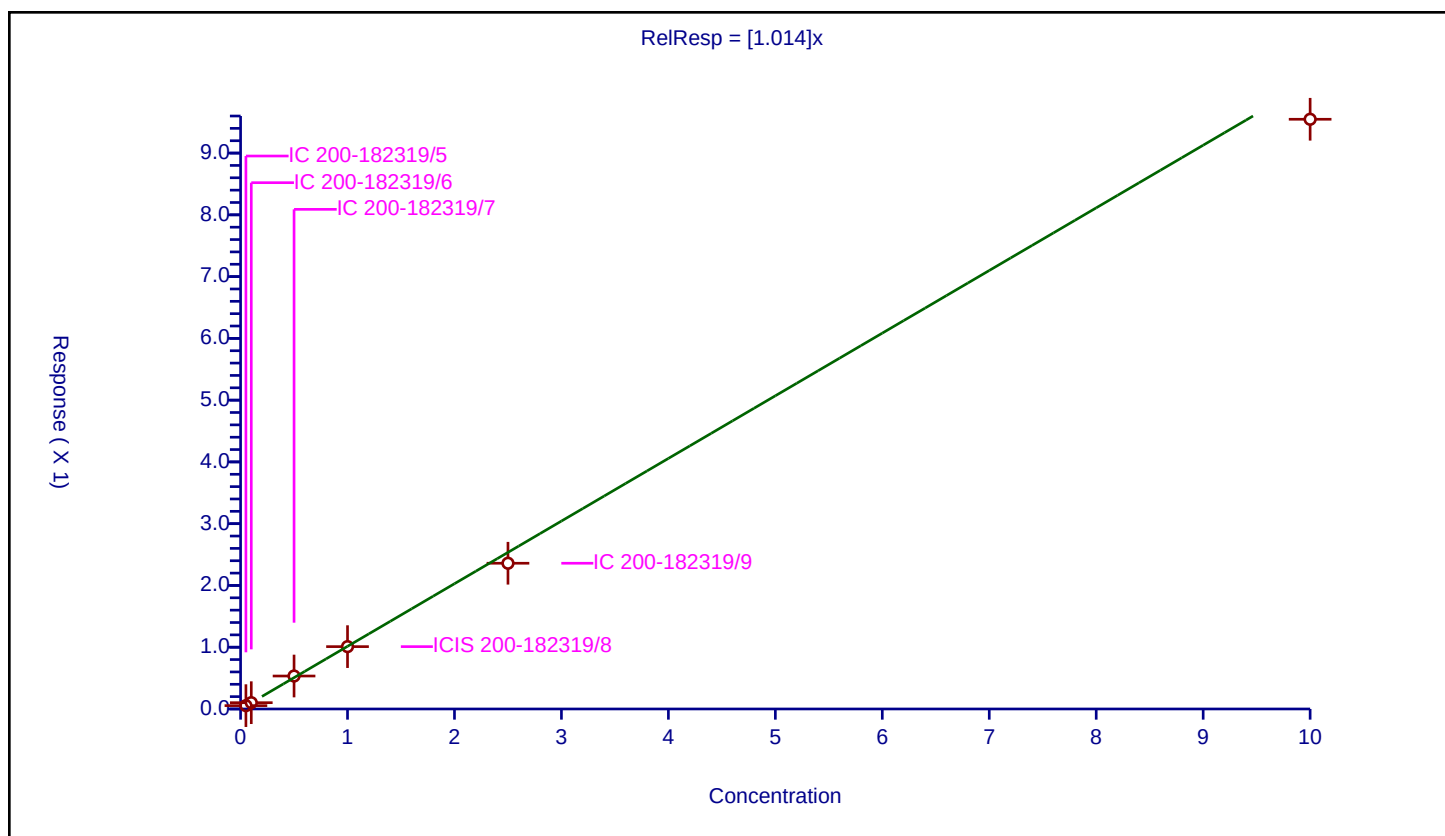
Curve Coefficients

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

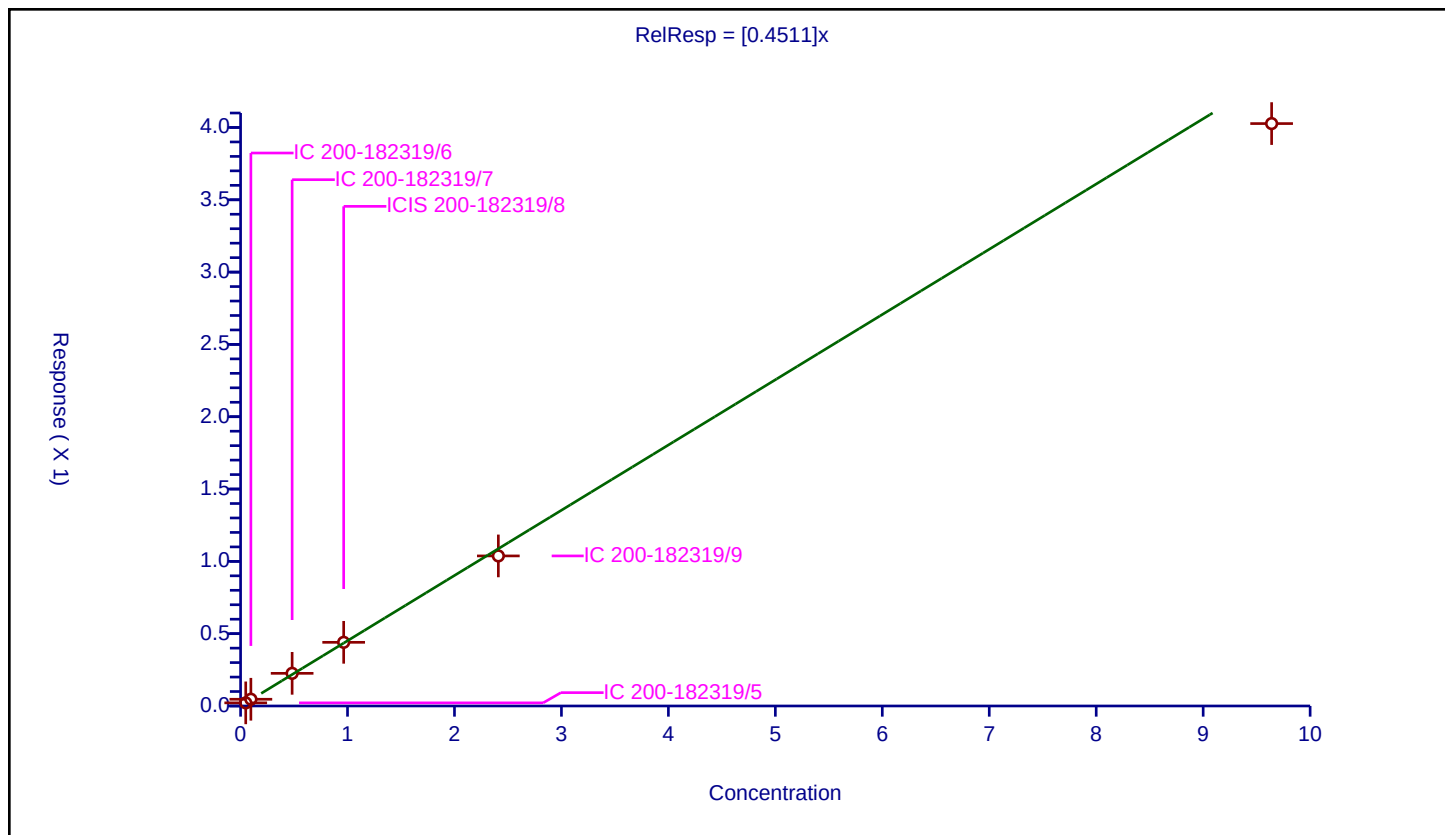
Curve Coefficients

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

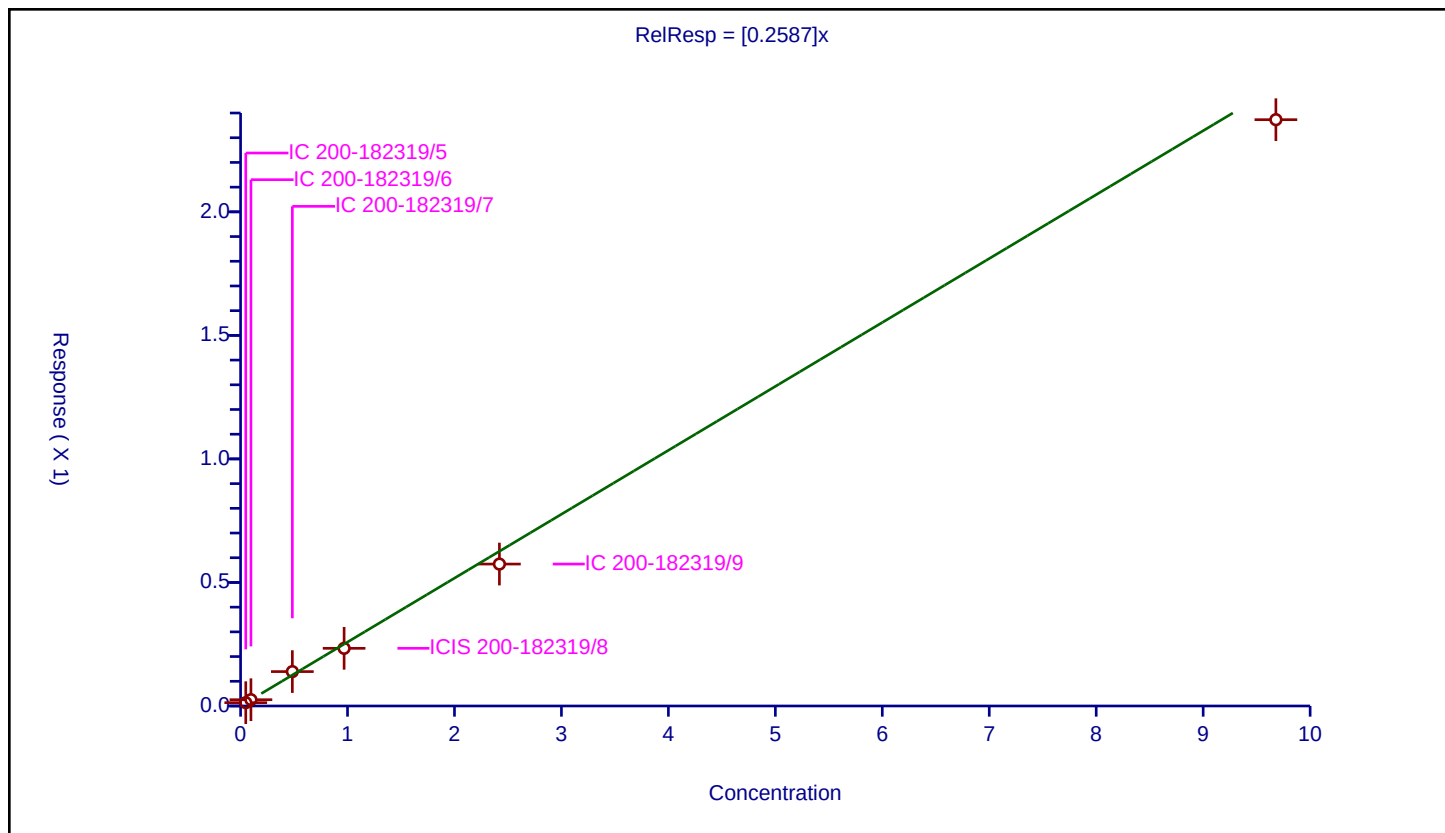
Curve Coefficients

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

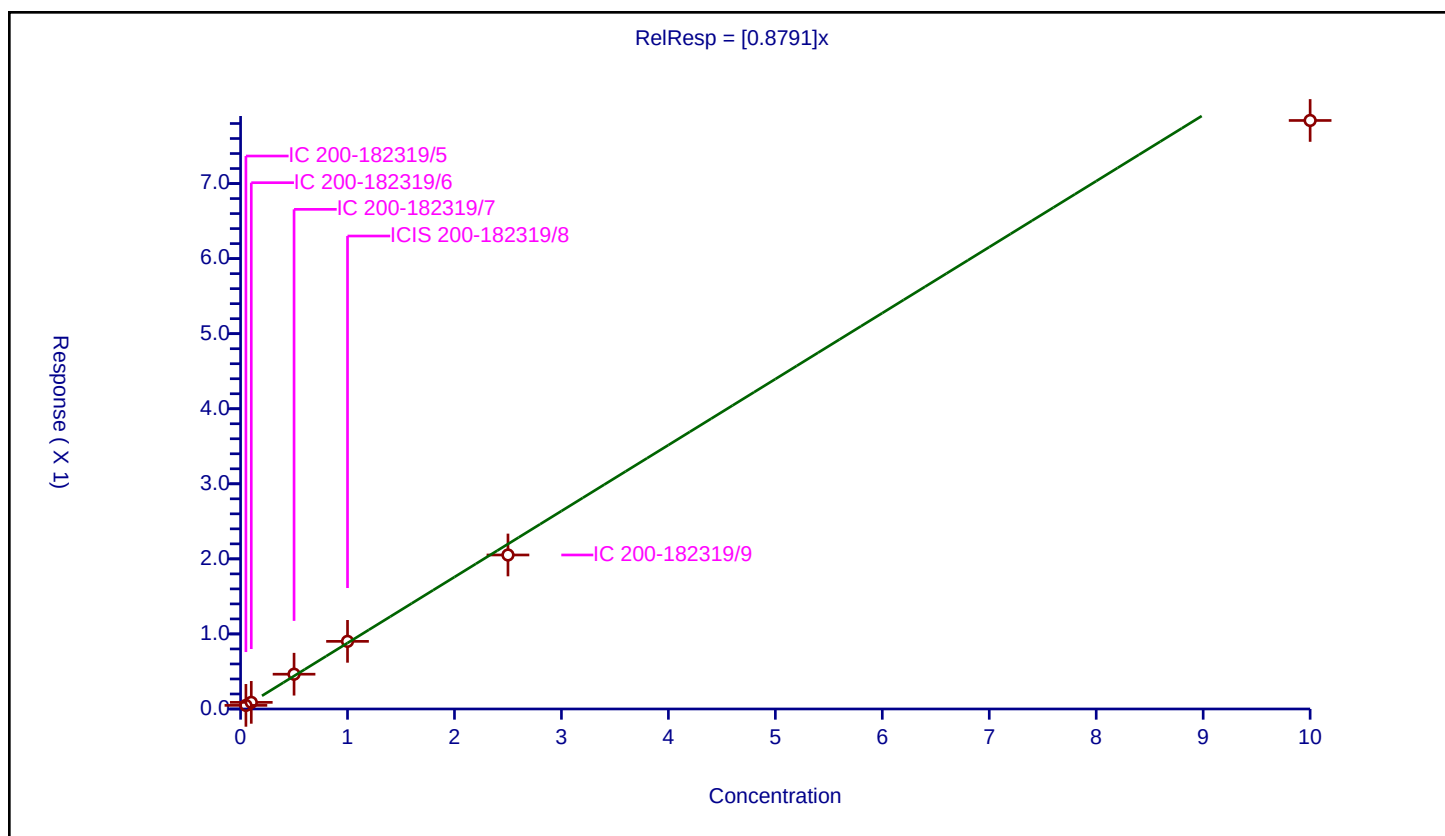
Curve Coefficients

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



Calibration

/ Perfluorotetradecanoic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

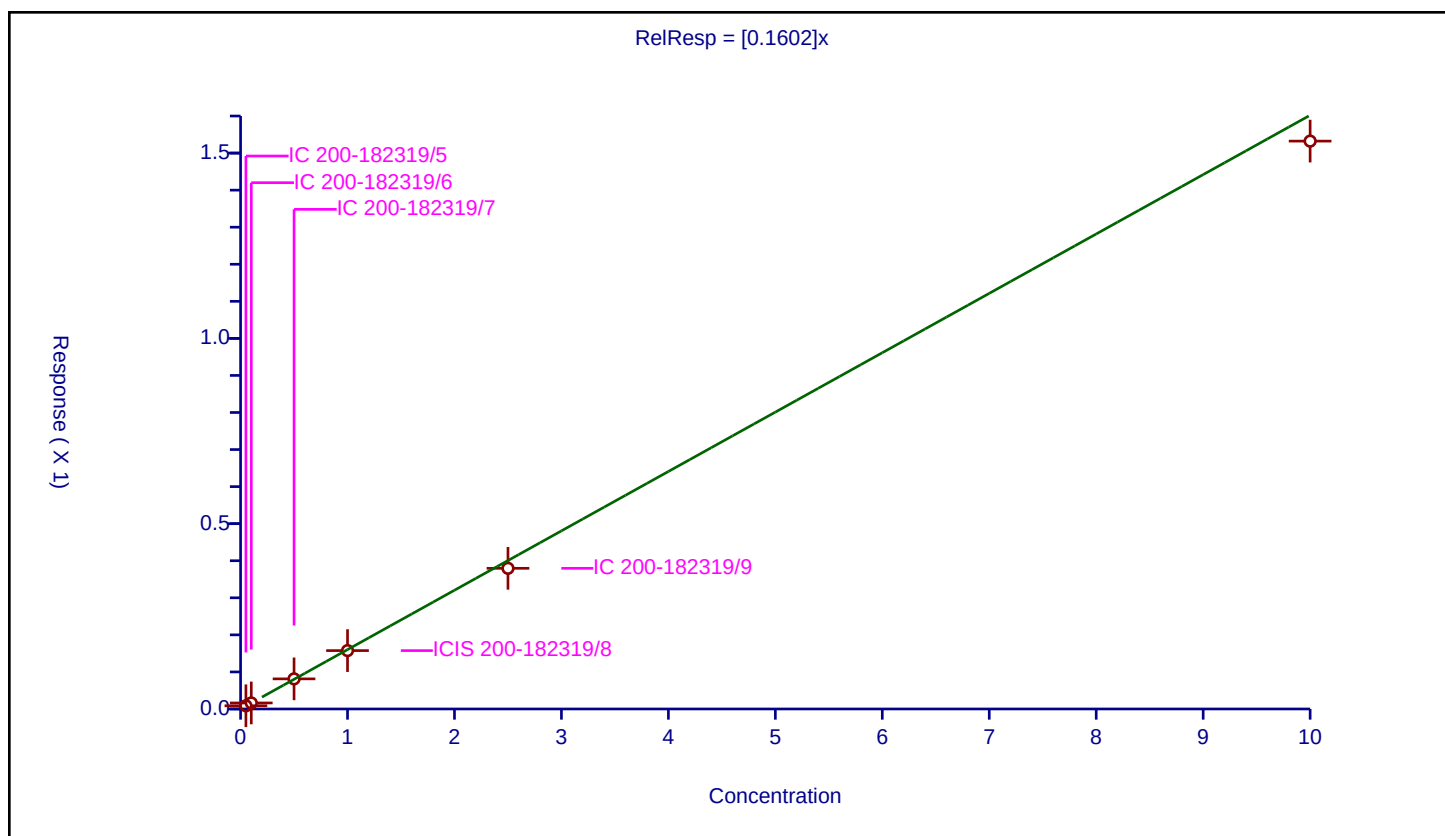
Curve Coefficients

Intercept: 0
Slope: 0.1602

Error Coefficients

Standard Error: 541000
Relative Standard Error: 4.9
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.05	0.008676	1.25	964763.0	0.173514	Y
2	IC 200-182319/6	0.1	0.016268	1.25	974562.0	0.162676	Y
3	IC 200-182319/7	0.5	0.081237	1.25	969884.0	0.162473	Y
4	ICIS 200-182319/8	1.0	0.157542	1.25	1055713.0	0.157542	Y
5	IC 200-182319/9	2.5	0.379591	1.25	979883.0	0.151836	Y
6	IC 200-182319/10	10.0	1.532263	1.25	949490.0	0.153226	Y



Calibration

/ Perfluorohexadecanoic acid

Curve Type: Linear
 Weighting: Conc
 Origin: None
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

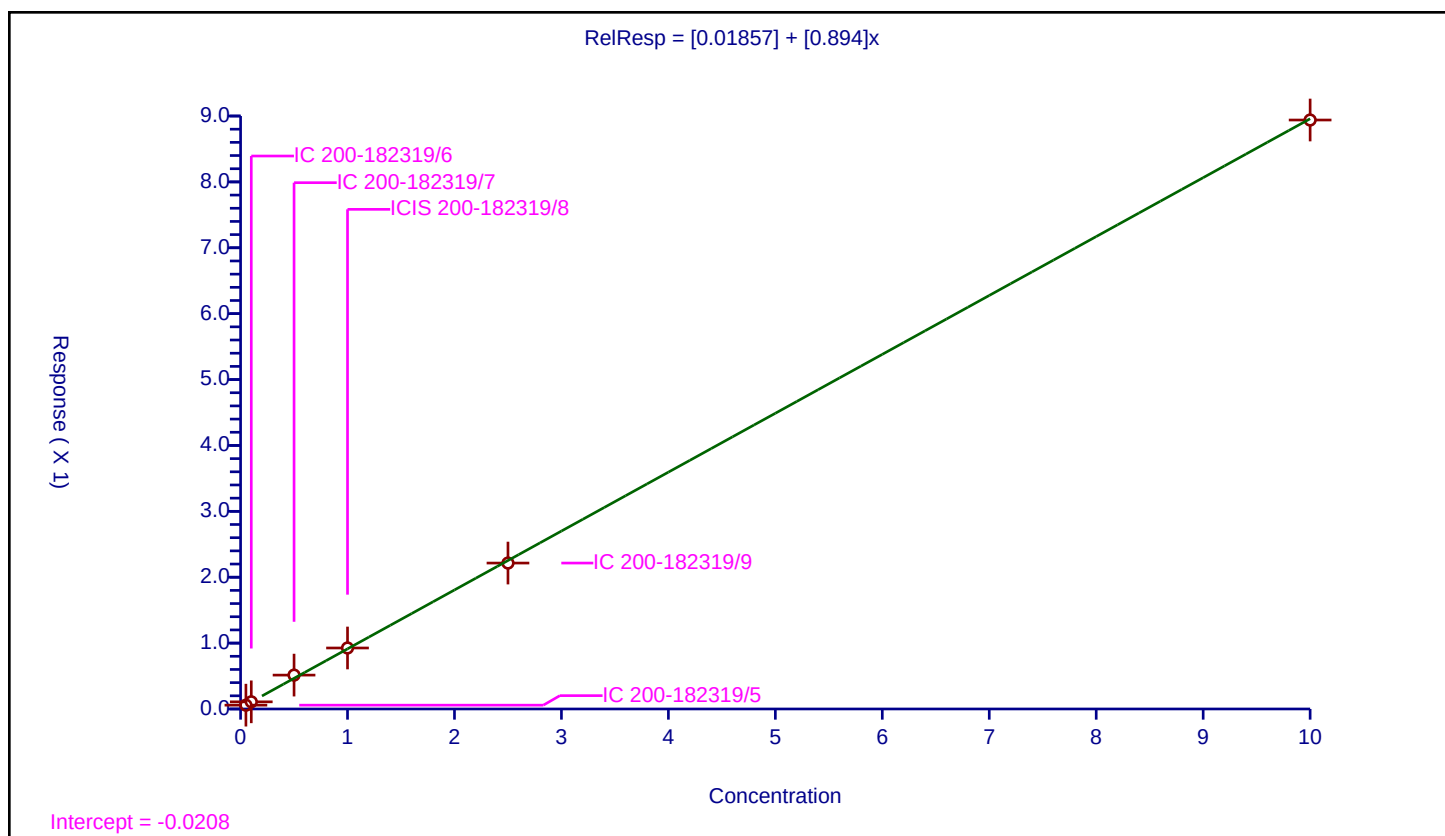
Curve Coefficients

Intercept: 0.01857
 Slope: 0.894

Error Coefficients

Standard Error: 4020000
 Relative Standard Error: 7.9
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.05	0.05823	1.25	1128787.0	1.164591	Y
2	IC 200-182319/6	0.1	0.108704	1.25	1136259.0	1.087043	Y
3	IC 200-182319/7	0.5	0.514262	1.25	1043688.0	1.028523	Y
4	ICIS 200-182319/8	1.0	0.926013	1.25	1201939.0	0.926013	Y
5	IC 200-182319/9	2.5	2.21484	1.25	1123333.0	0.885936	Y
6	IC 200-182319/10	10.0	8.939215	1.25	1080090.0	0.893921	Y



Calibration

/ Perfluorooctadecanoic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

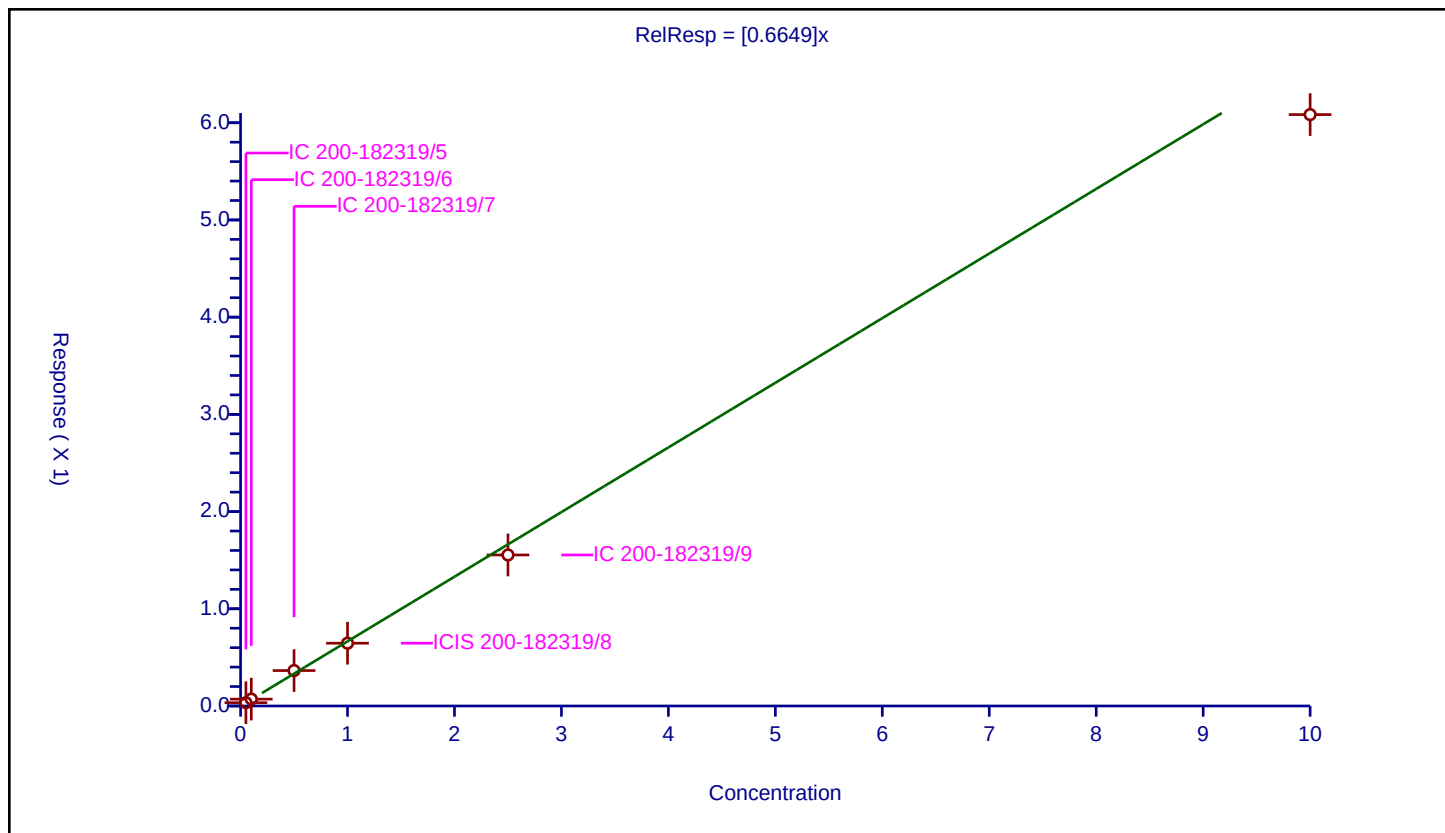
Curve Coefficients

Intercept: 0
Slope: 0.6649

Error Coefficients

Standard Error: 2450000
Relative Standard Error: 7.2
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.05	0.033874	1.25	1128787.0	0.677475	Y
2	IC 200-182319/6	0.1	0.0707	1.25	1136259.0	0.707002	Y
3	IC 200-182319/7	0.5	0.364545	1.25	1043688.0	0.72909	Y
4	ICIS 200-182319/8	1.0	0.646	1.25	1201939.0	0.646	Y
5	IC 200-182319/9	2.5	1.553621	1.25	1123333.0	0.621448	Y
6	IC 200-182319/10	10.0	6.083758	1.25	1080090.0	0.608376	Y



FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-263208-1

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.: 460-263208-1
 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										
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										
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										
503.00 > 80.00	3.801	3.802	-0.001	1.092	916636	0.7496		62.7	1810	M
D 19 13C5 PFNA										
468.00 > 423.00	3.821	3.822	-0.001	1.098	1861564	0.8397		67.2	2188	M
20 Perfluorononanoic acid										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-Chloroeicosafuoro-3-oxaundec										M
631.00 > 451.00	4.504	4.491	0.013	1.185	2291190	1.30			1858	M
D 36 13C2 PFDaA										M
615.00 > 570.00	4.633	4.633	0.0	1.331	1380113	0.8147		65.2	2059	M
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.633	4.633	0.0	1.000	1108763	0.99	Target=6.97		140	
613.00 > 169.00	4.633	4.633	0.0	1.000	162557		6.82(3.48-10.45)		571	M
74 1H,1H,2H,2H-perfluorododecanesul										
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

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

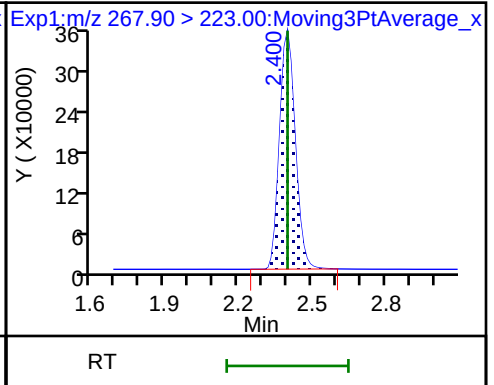
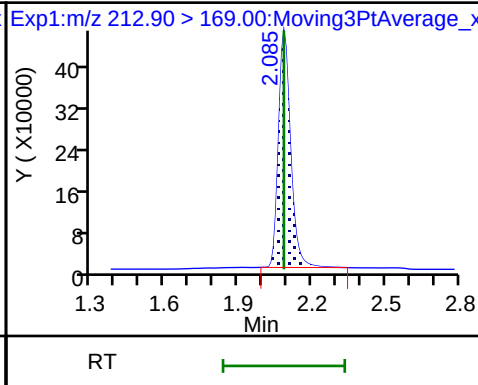
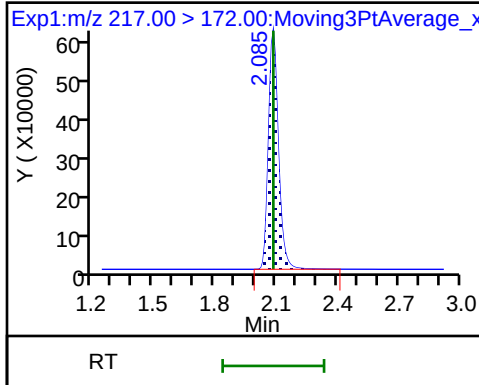
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

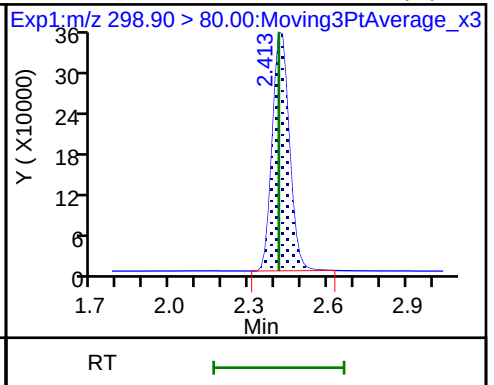
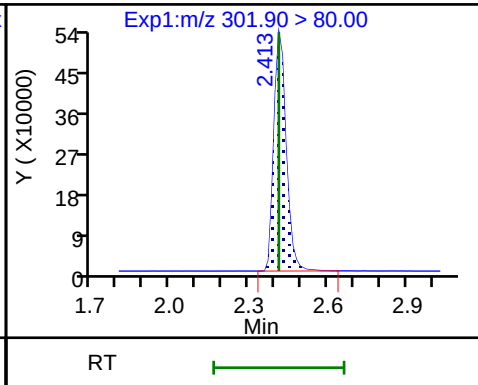
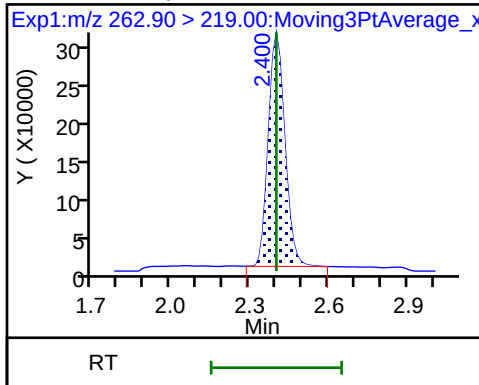
D 3 13C5 PFPeA



4 Perfluoropentanoic acid

D 47 13C3 PFBS

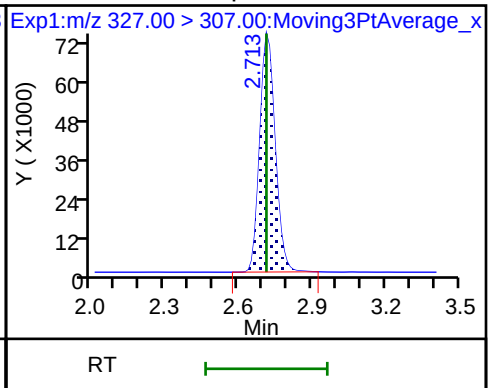
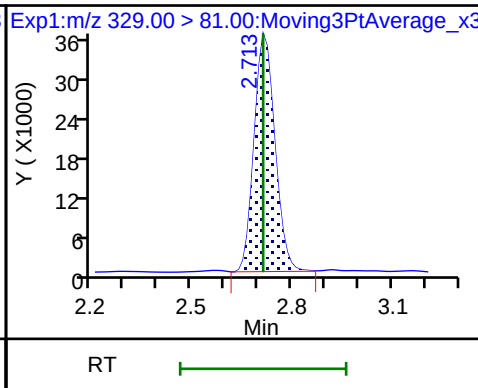
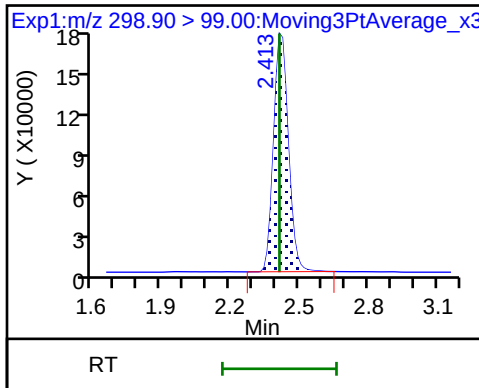
5 Perfluorobutanesulfonic acid (M)



5 Perfluorobutanesulfonic acid

D 60 M2-4:2 FTS

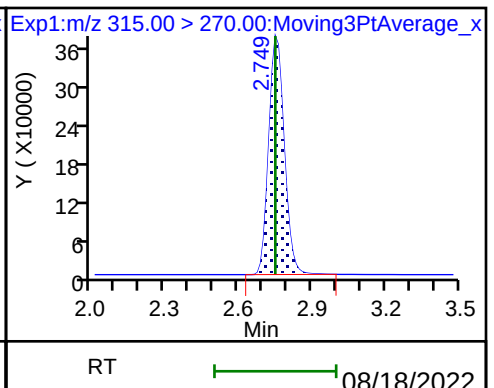
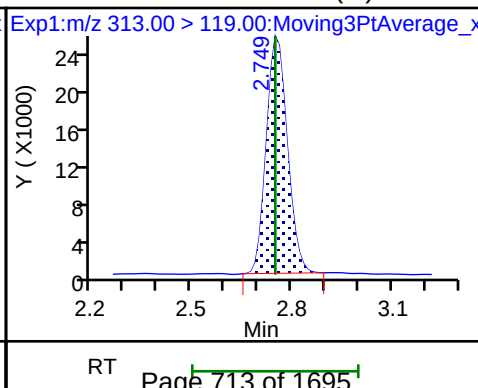
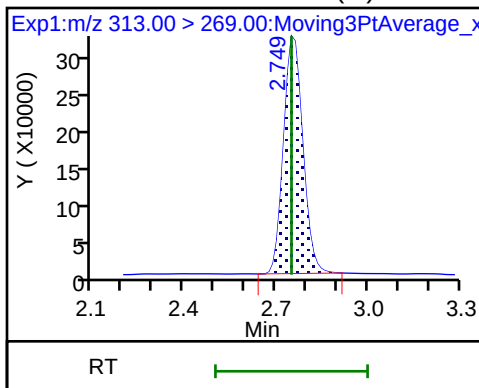
61 1H,1H,2H,2H-perfluorohexanesulfo



6 Perfluorohexanoic acid (M)

6 Perfluorohexanoic acid (M)

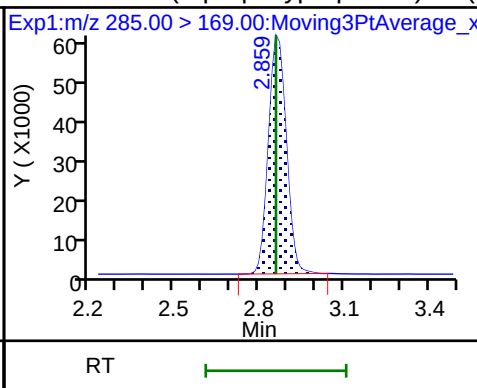
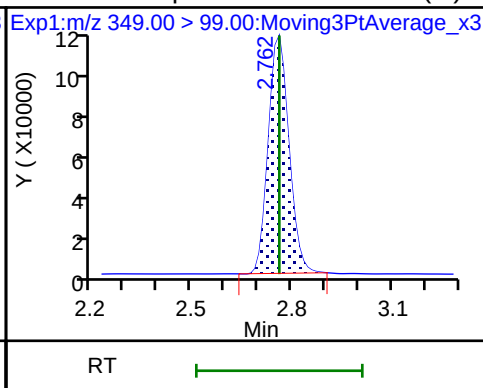
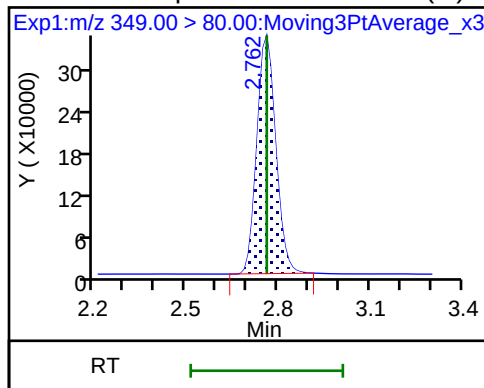
D 7 13C2 PFHxA



70 Perfluoropentanesulfonic acid (M)

70 Perfluoropentanesulfonic acid (M)

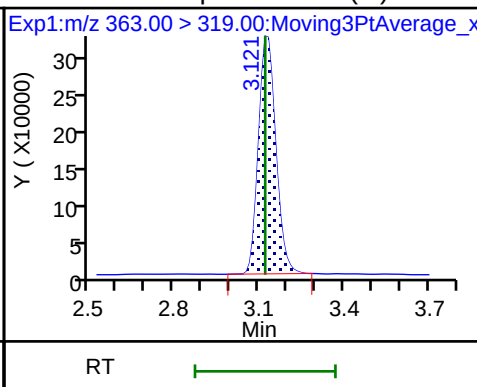
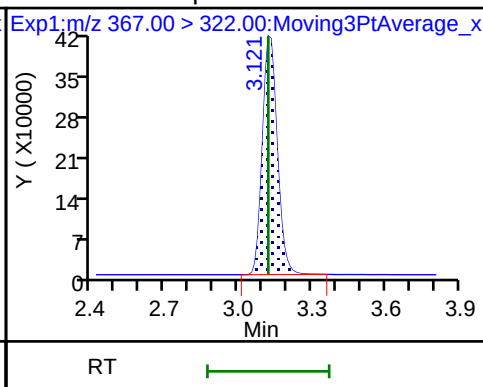
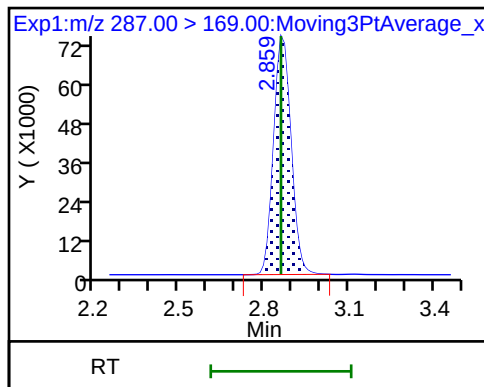
67 Perfluoro(2-propoxypropanoic) ac (M)



D 64 13C3 HFPO-DA

D 9 13C4 PFHpA

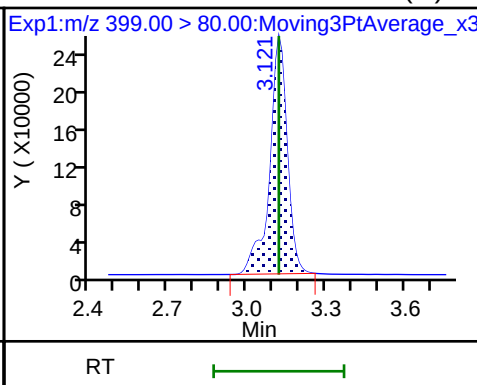
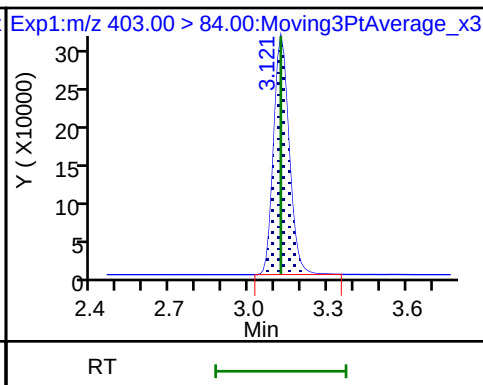
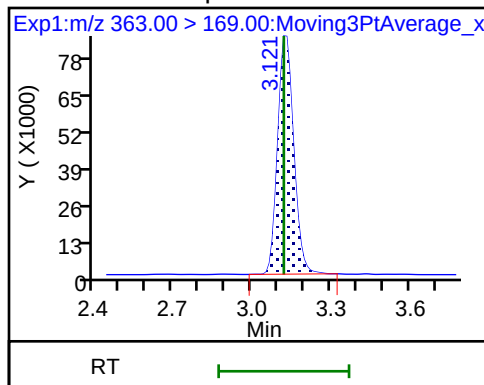
10 Perfluoroheptanoic acid (M)



10 Perfluoroheptanoic acid

D 11 18O2 PFHxS

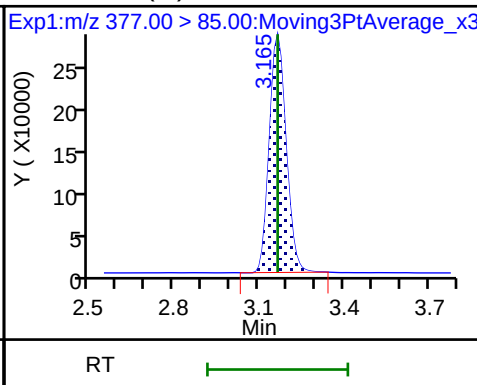
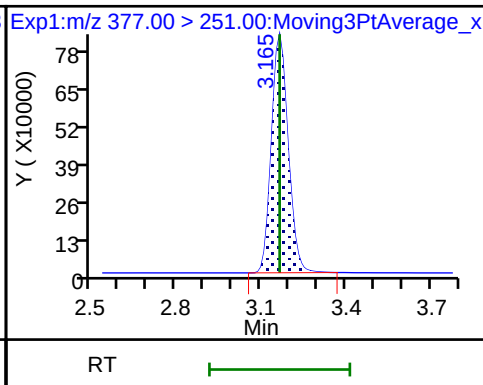
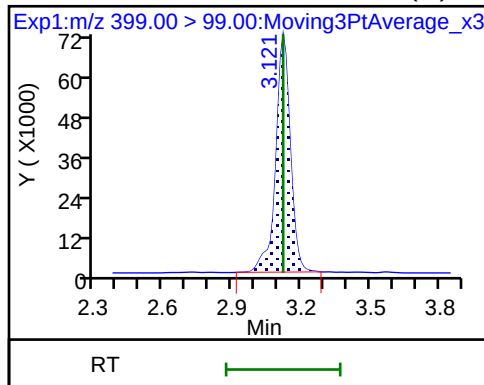
8 Perfluorohexanesulfonic acid (M)



8 Perfluorohexanesulfonic acid (M)

77 DONA

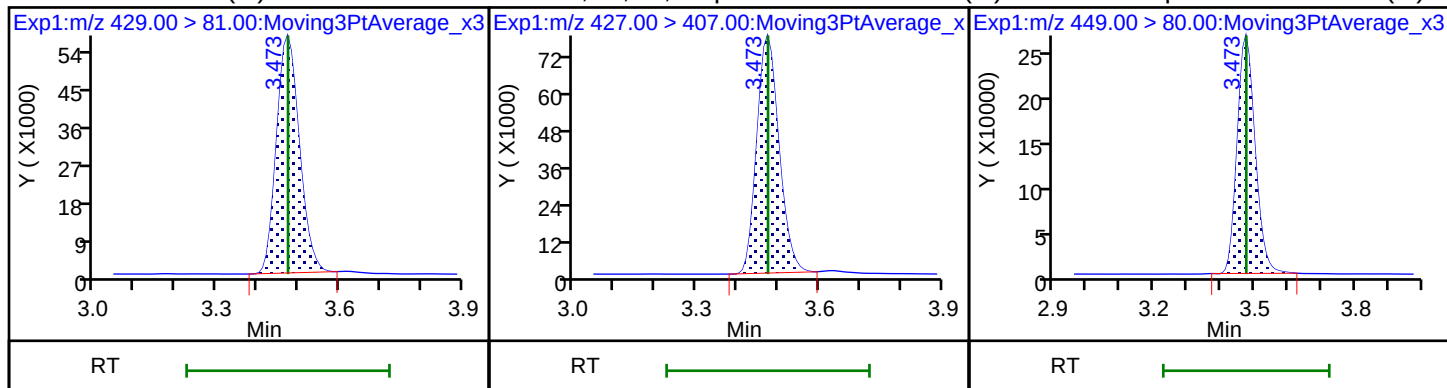
77 DONA (M)



D 12 M2-6:2 FTS (M)

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

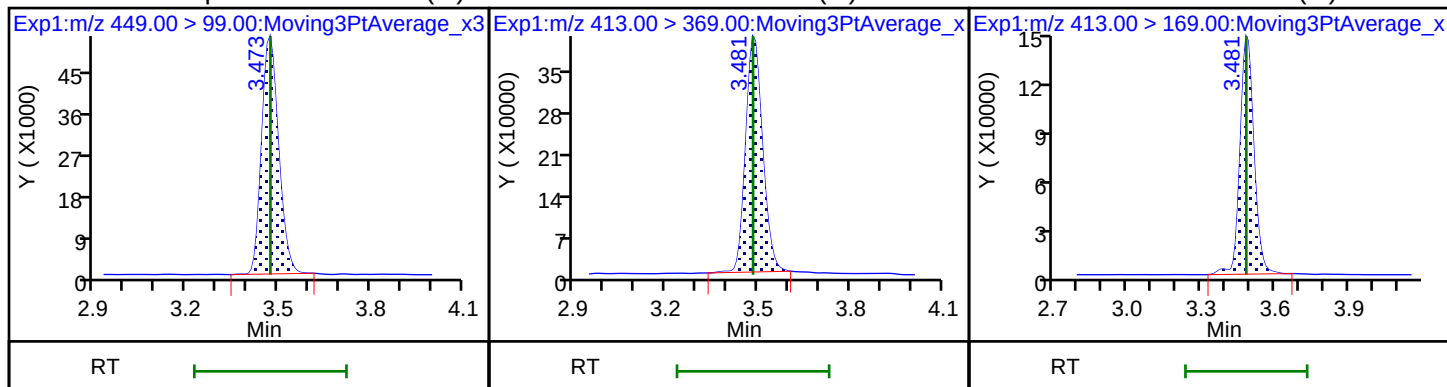
16 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M)

15 Perfluorooctanoic acid (M)

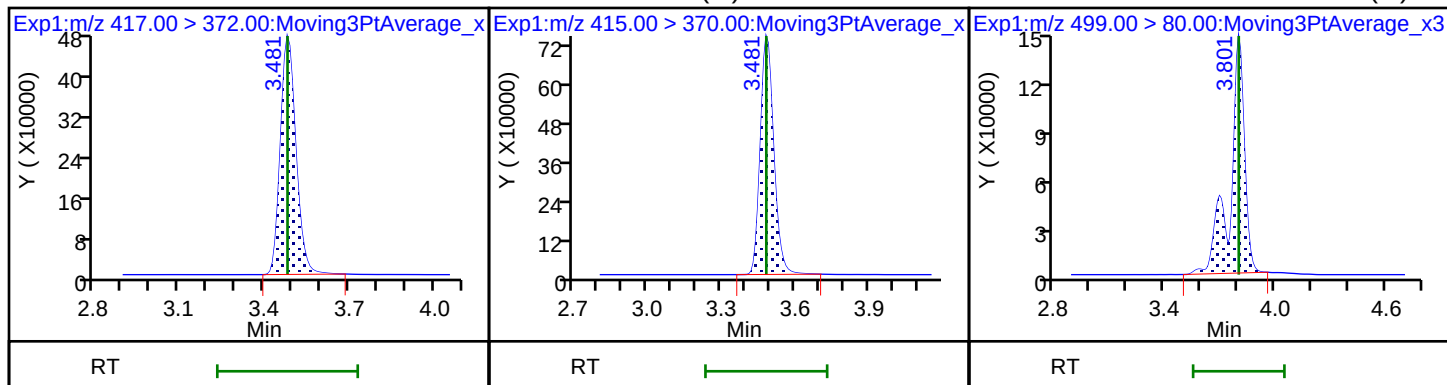
15 Perfluorooctanoic acid (M)



D 14 13C4 PFOA

* 62 13C2 PFOA (M)

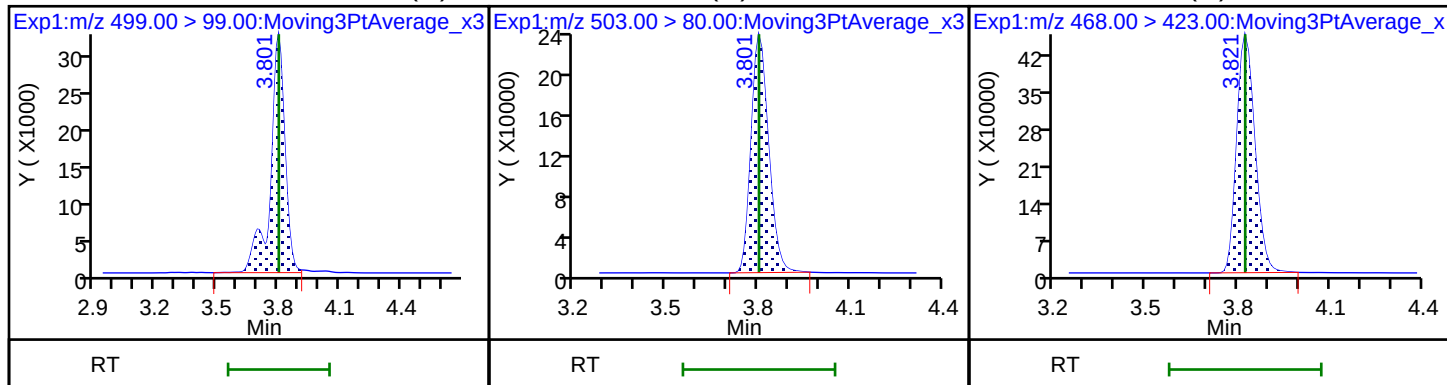
17 Perfluorooctanesulfonic acid (M)

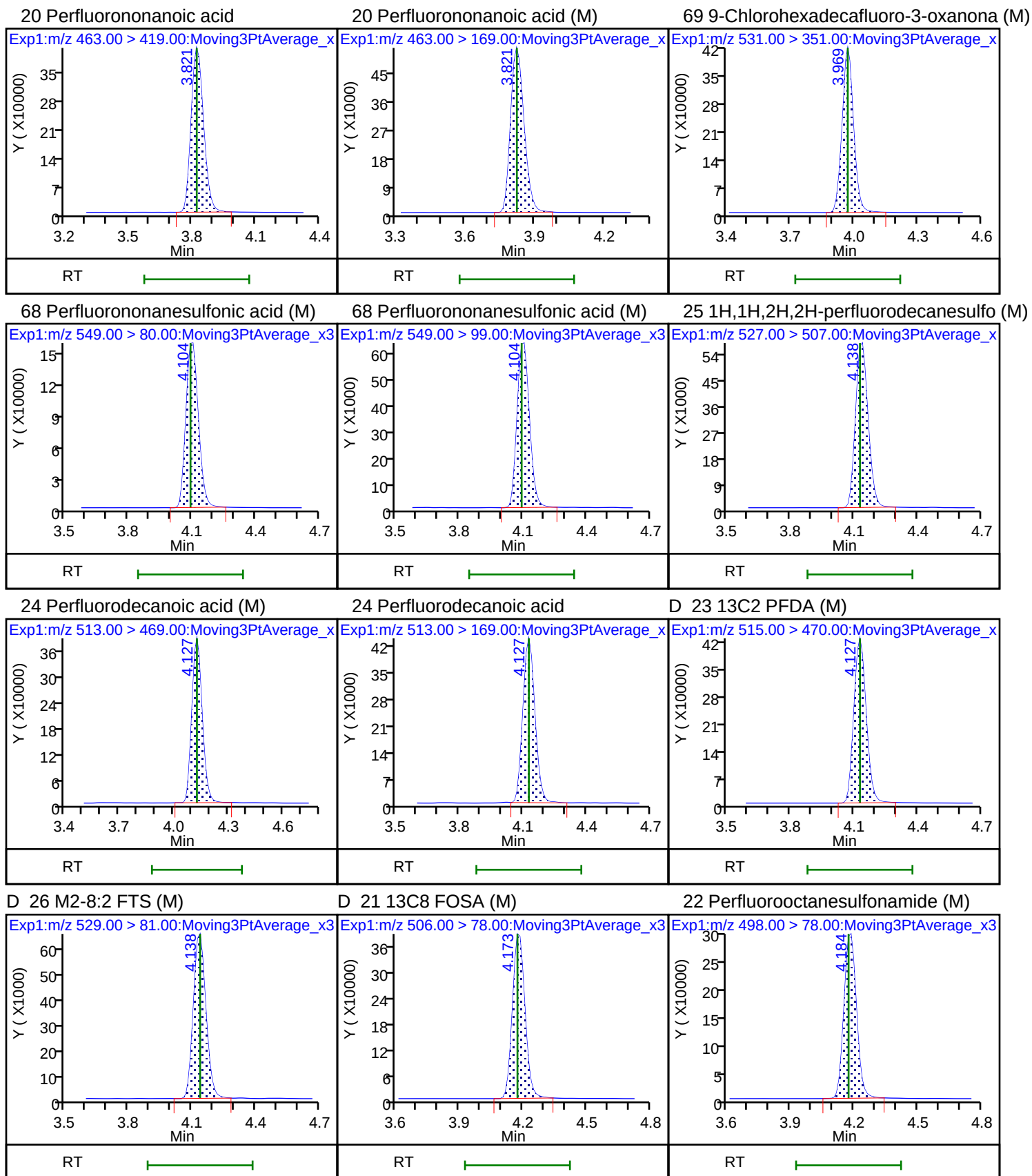


17 Perfluorooctanesulfonic acid (M)

D 18 13C4 PFOS (M)

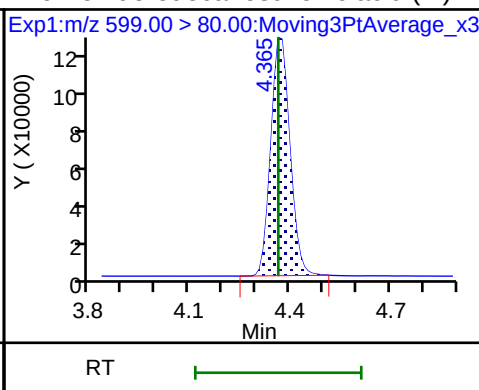
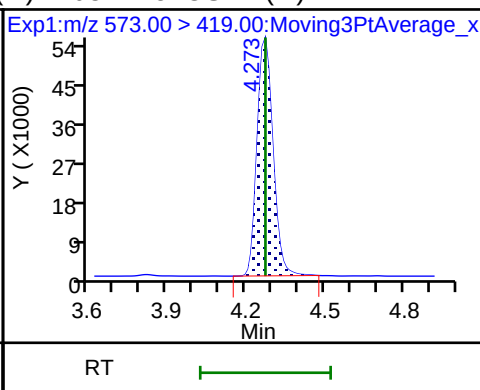
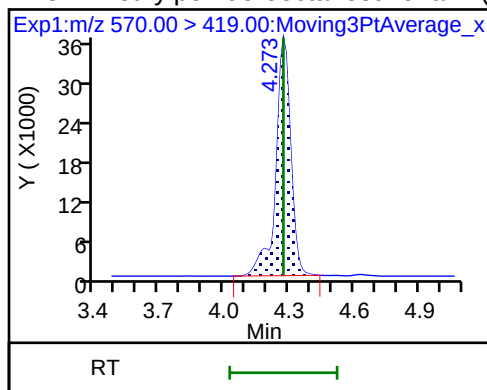
D 19 13C5 PFNA (M)





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

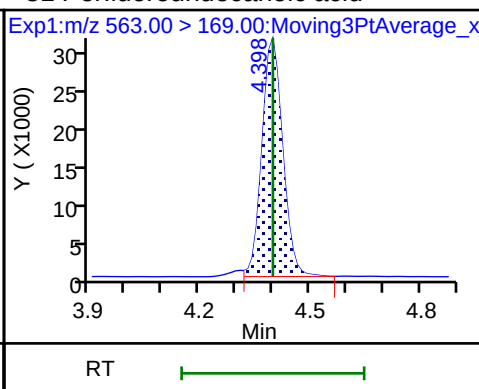
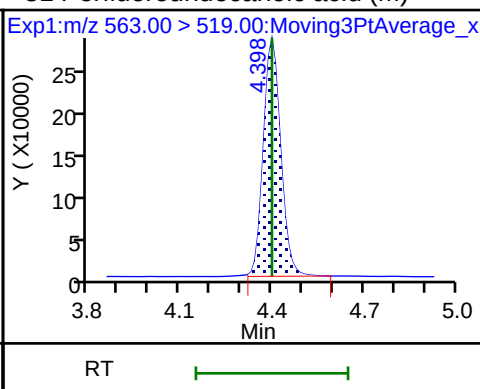
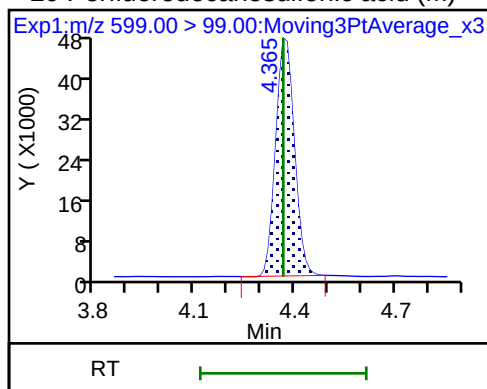
29 Perfluorodecanesulfonic acid (M)



29 Perfluorodecanesulfonic acid (M)

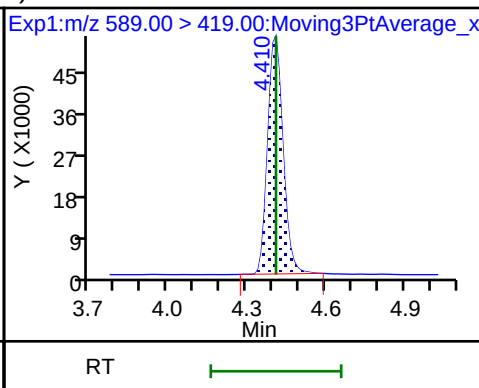
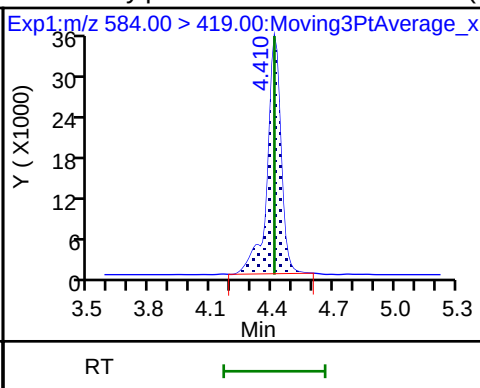
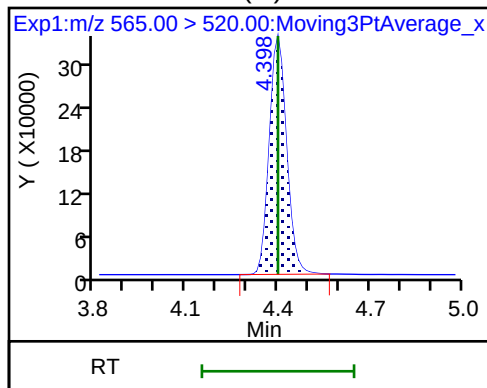
31 Perfluoroundecanoic acid (M)

31 Perfluoroundecanoic acid



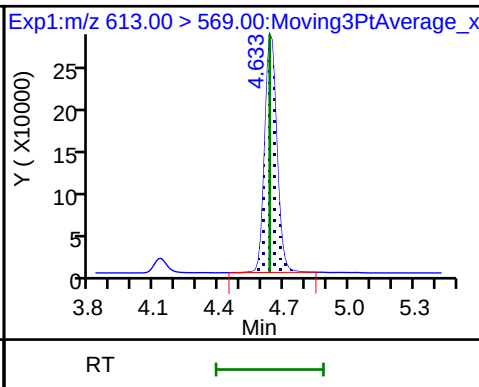
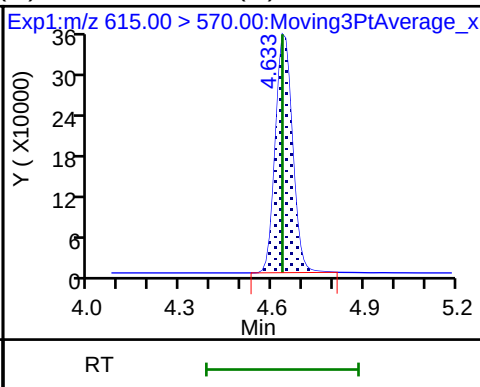
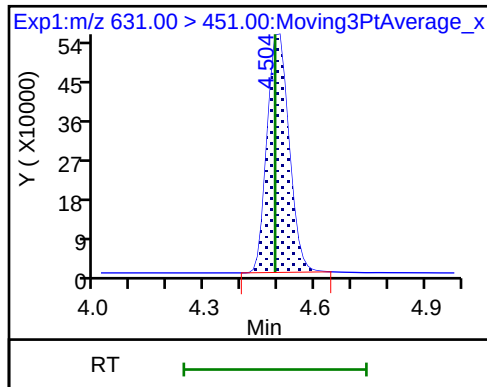
D 30 13C2 PFUnA (M)

33 N-ethylperfluorooctanesulfonamid (M) 32 d5-NEtFOSAA



66 11-Chloroeicosafluoro-3-oxaundec (M) 36 13C2 PFDa (M)

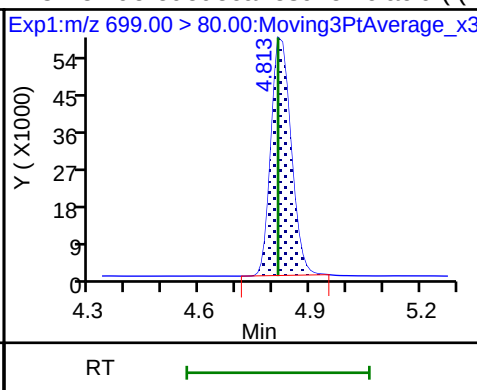
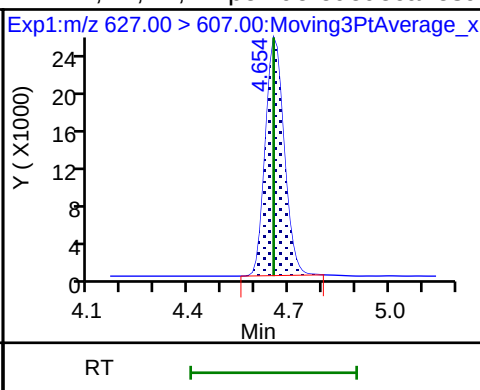
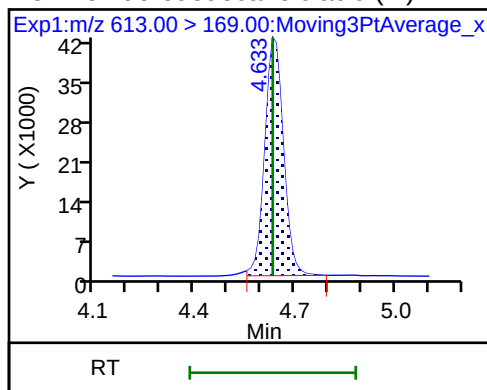
37 Perfluorododecanoic acid



37 Perfluorododecanoic acid (M)

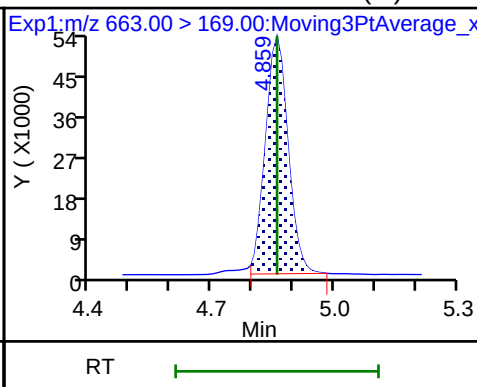
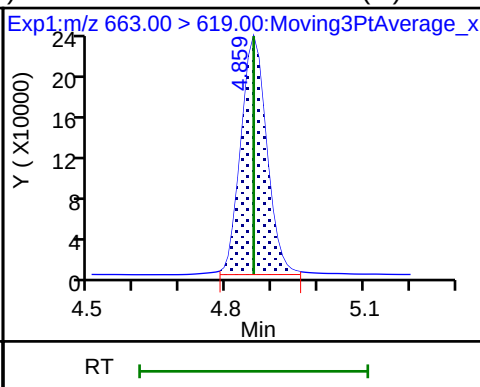
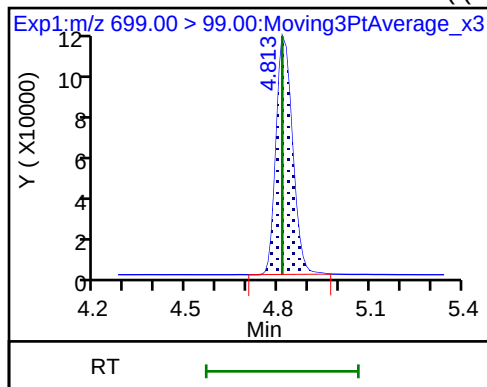
74 1H,1H,2H,2H-perfluorododecanesul

75 Perfluorododecanesulfonic acid (M)



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

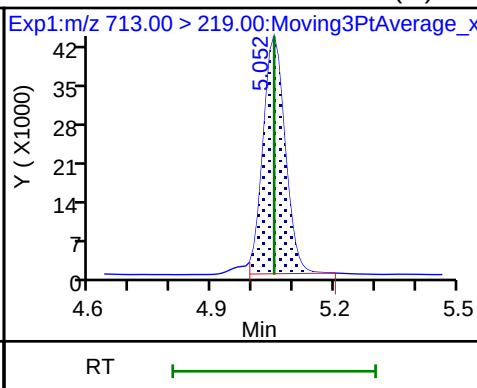
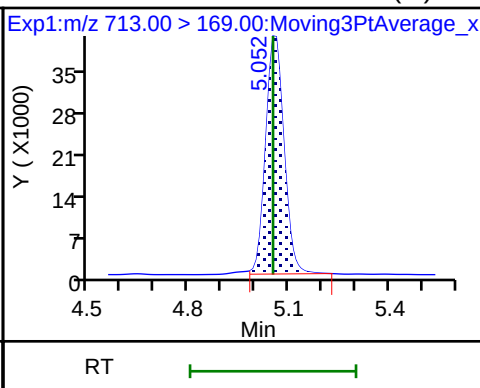
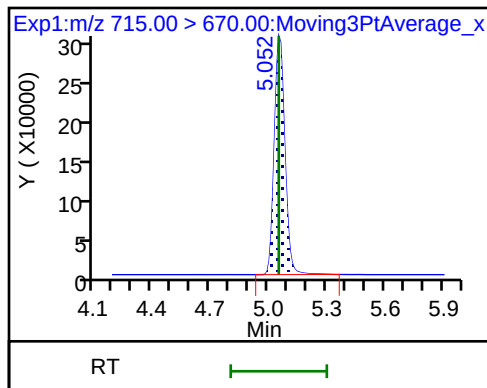
41 Perfluorotridecanoic acid (M)



D 43 13C2 PFTeDA

42 Perfluorotetradecanoic acid (M)

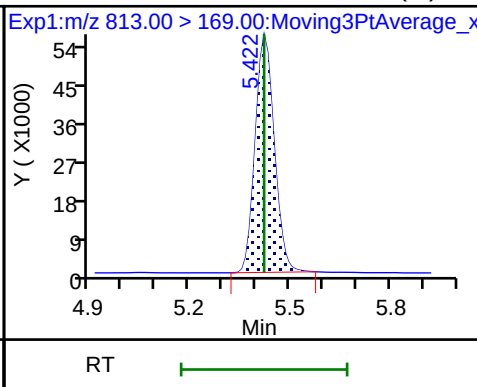
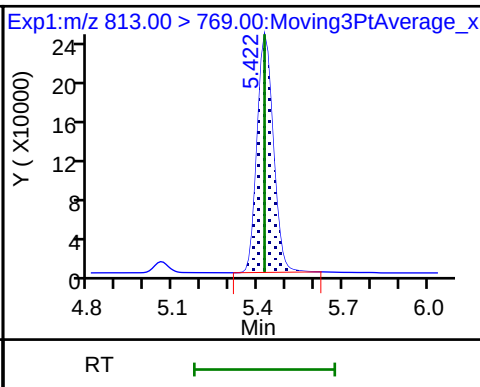
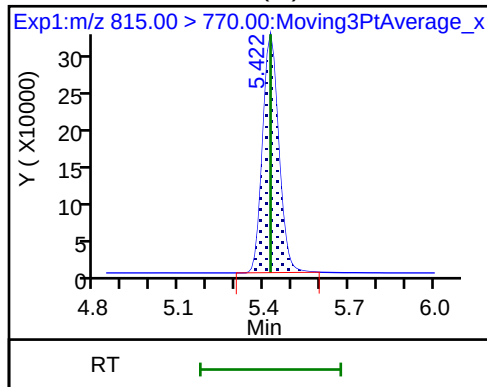
42 Perfluorotetradecanoic acid (M)



D 44 13C2 PFHxDA (M)

45 Perfluorohexadecanoic acid

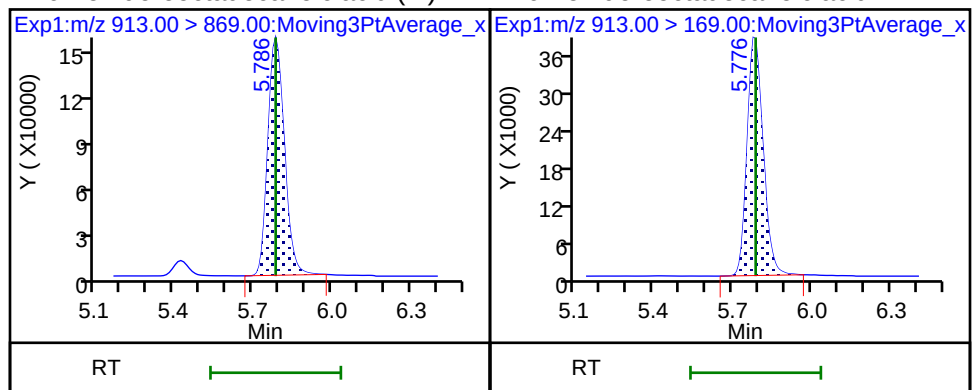
45 Perfluorohexadecanoic acid (M)



Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d

46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid



Eurofins Burlington

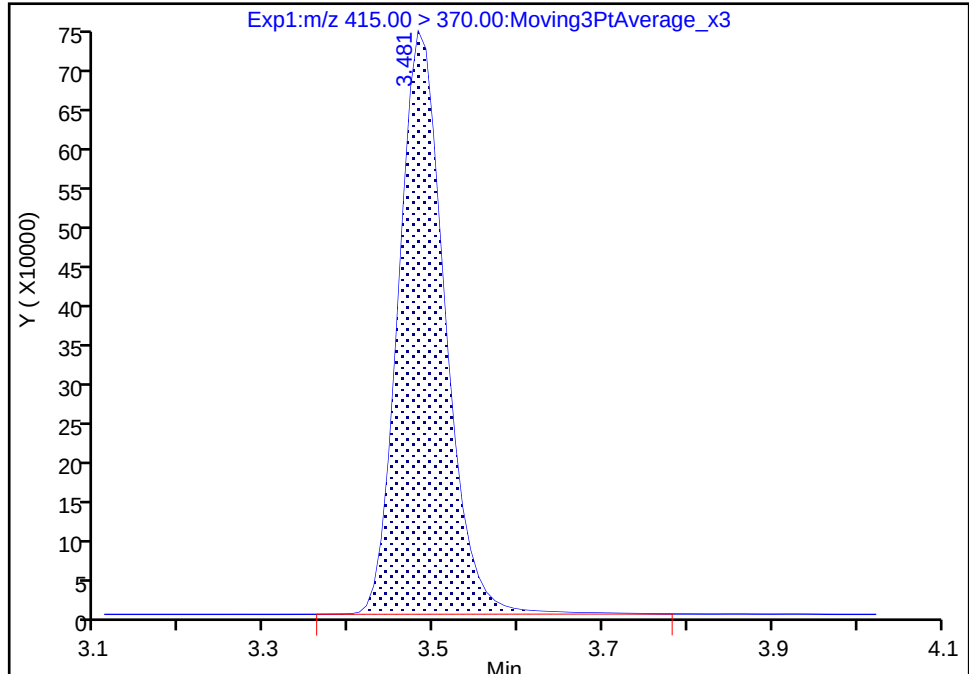
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

* 62 13C2 PFOA, CAS: STL00623

Signal: 1

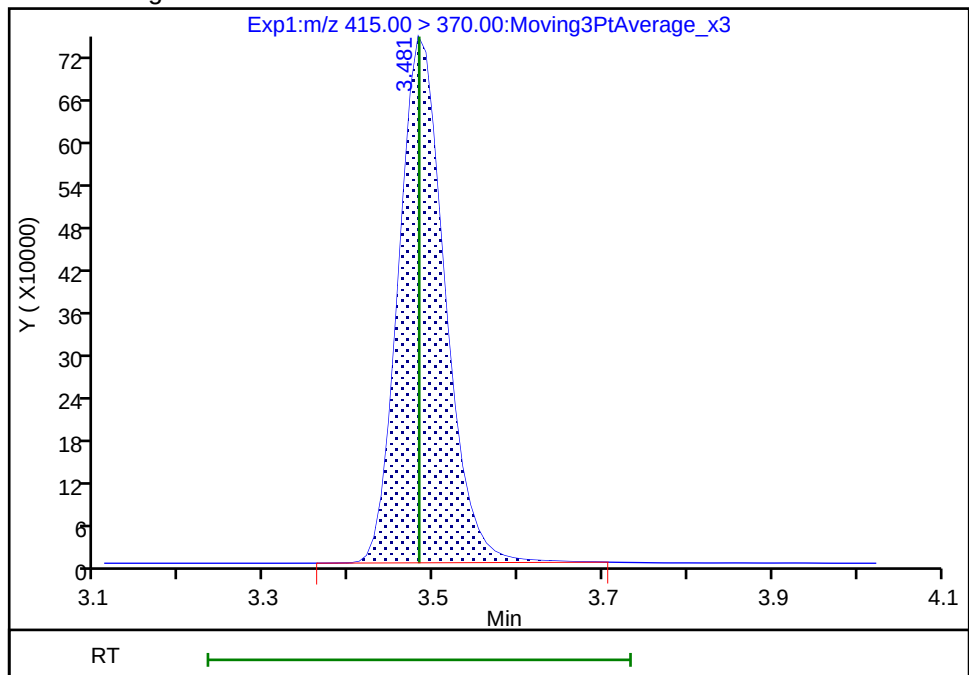
RT: 3.48
Area: 2816125
Amount: 1.250000
Amount Units: ng/ml

Processing Integration Results



RT: 3.48
Area: 2802391
Amount: 1.250000
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:24:26
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

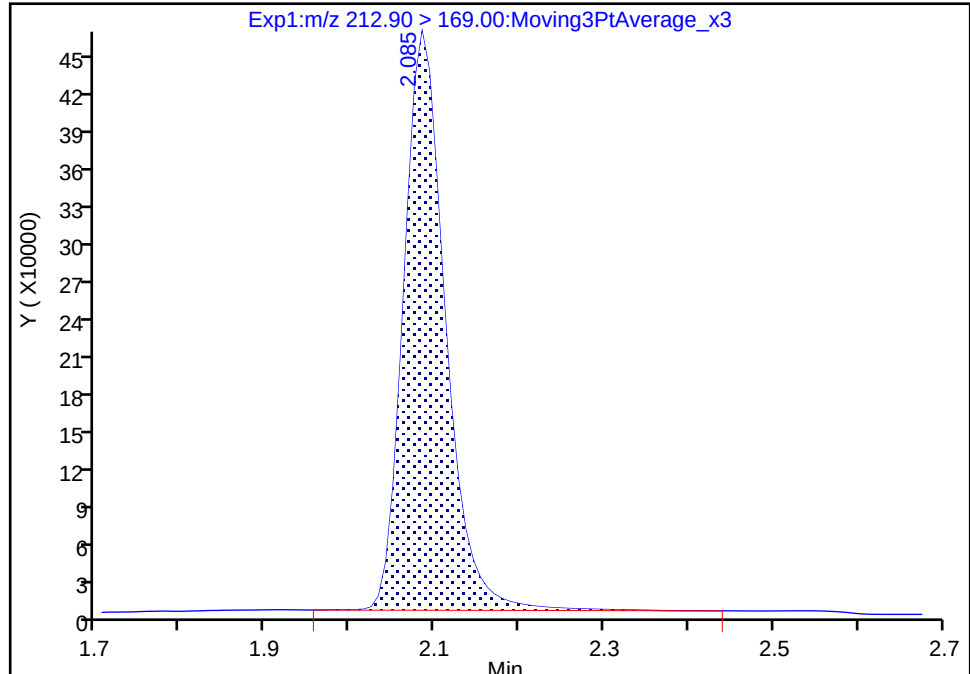
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

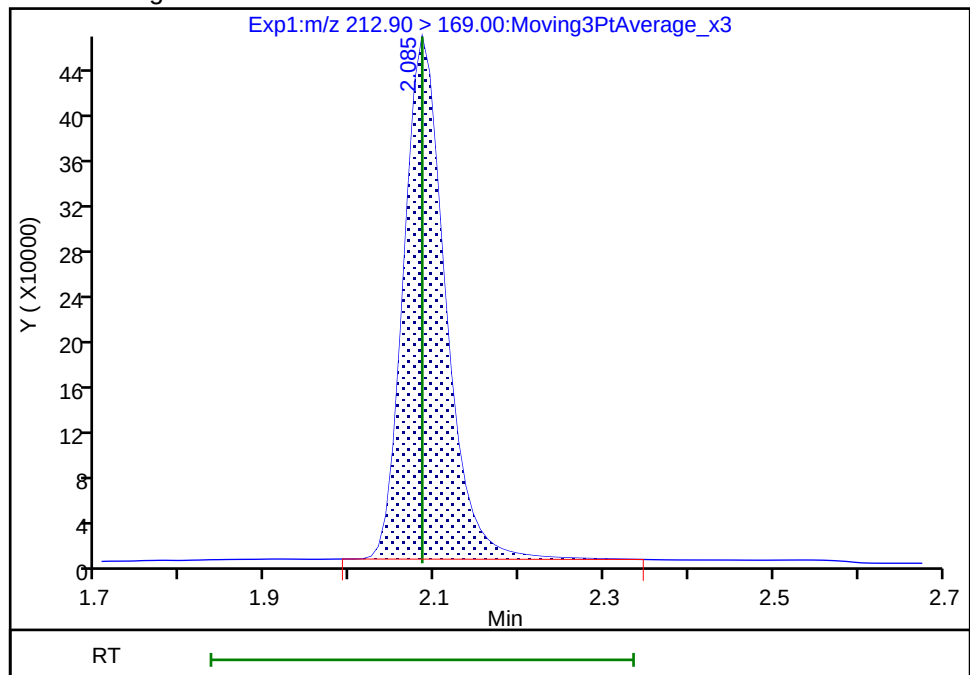
RT: 2.08
Area: 1580600
Amount: 0.980791
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 1572247
Amount: 0.975608
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:35:56
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

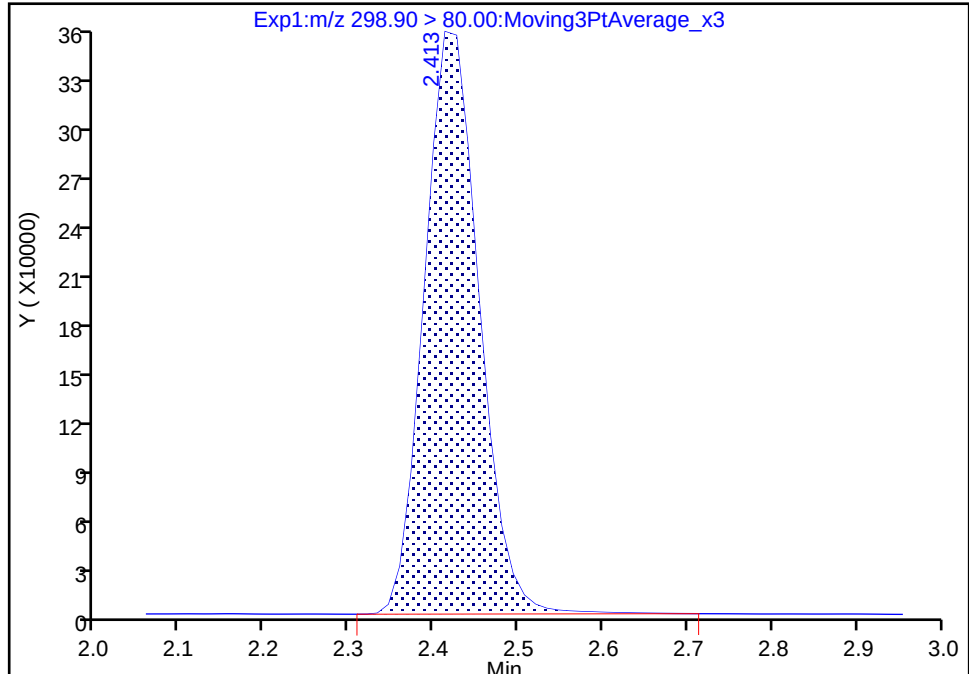
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

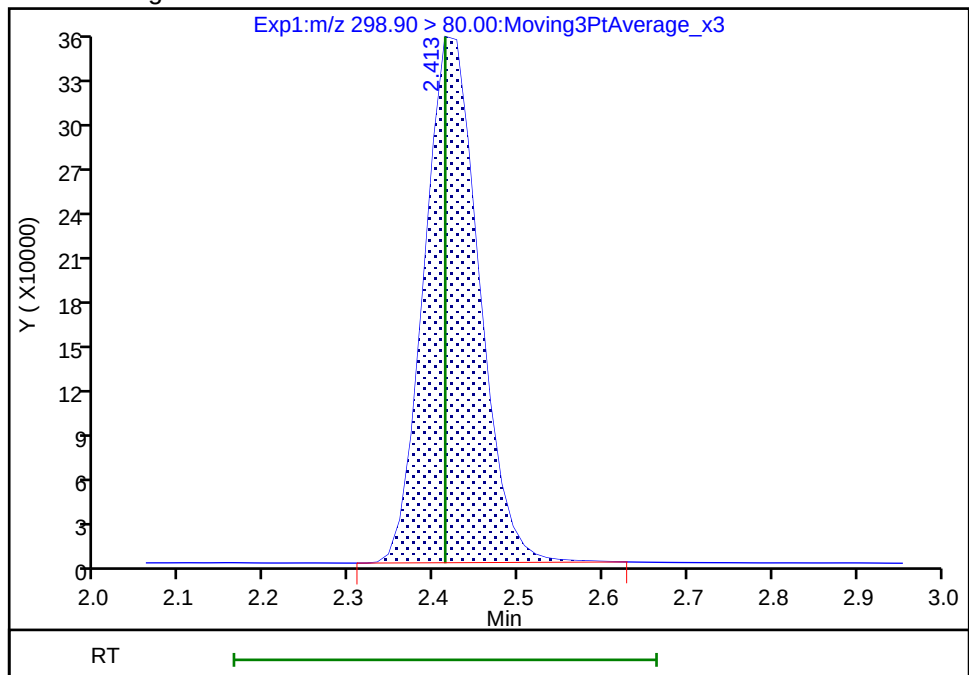
RT: 2.41
Area: 1587024
Amount: 0.969012
Amount Units: ng/ml

Processing Integration Results



RT: 2.41
Area: 1580960
Amount: 0.965310
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:36:41
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

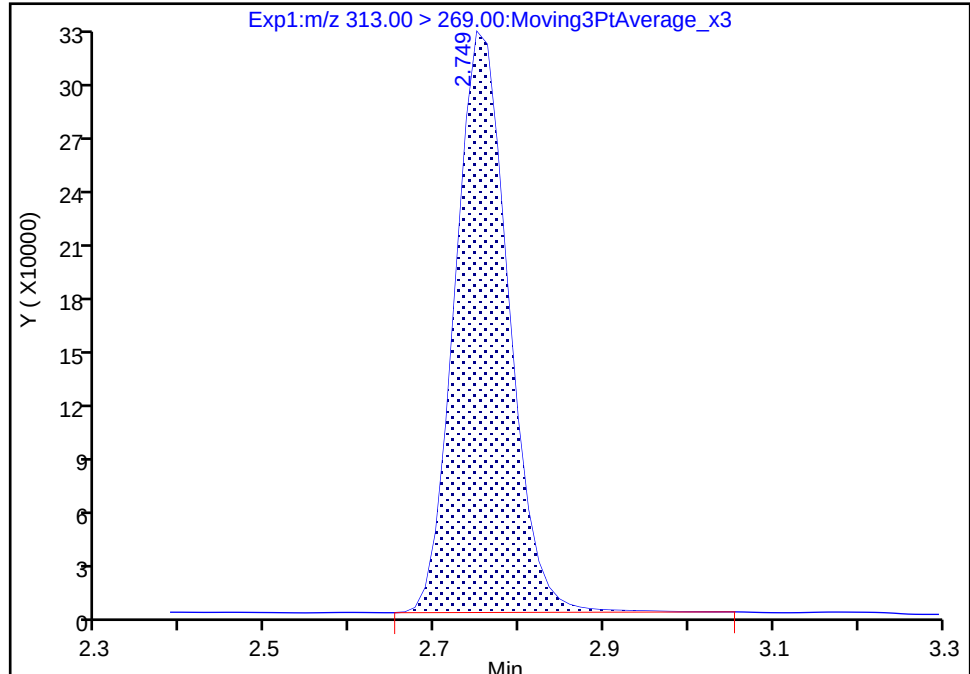
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

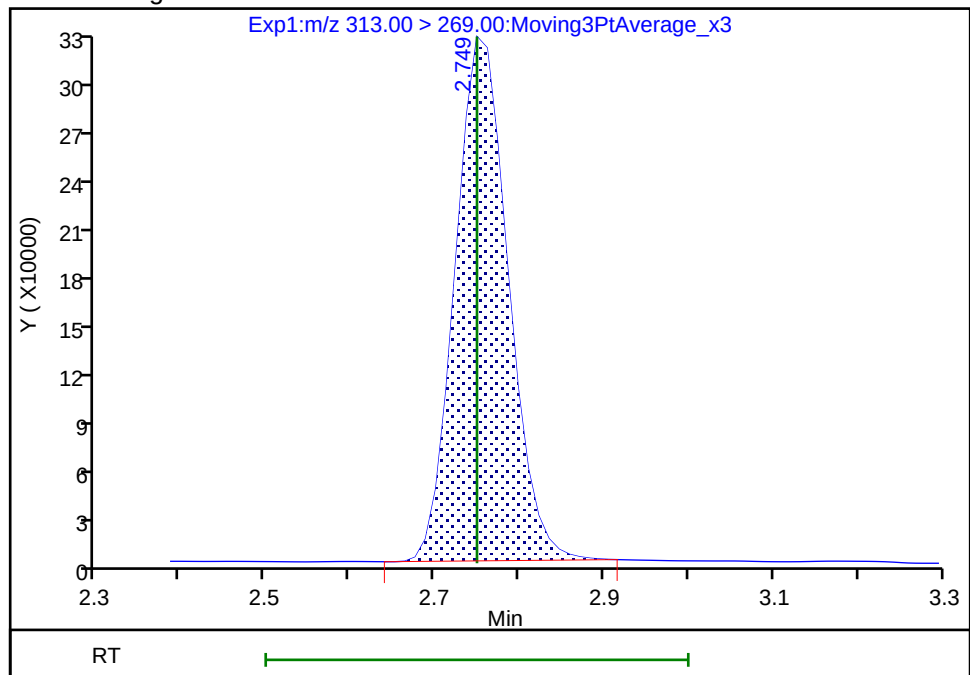
RT: 2.75
Area: 1406848
Amount: 1.031220
Amount Units: ng/ml

Processing Integration Results



RT: 2.75
Area: 1395731
Amount: 1.023071
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:36:50
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

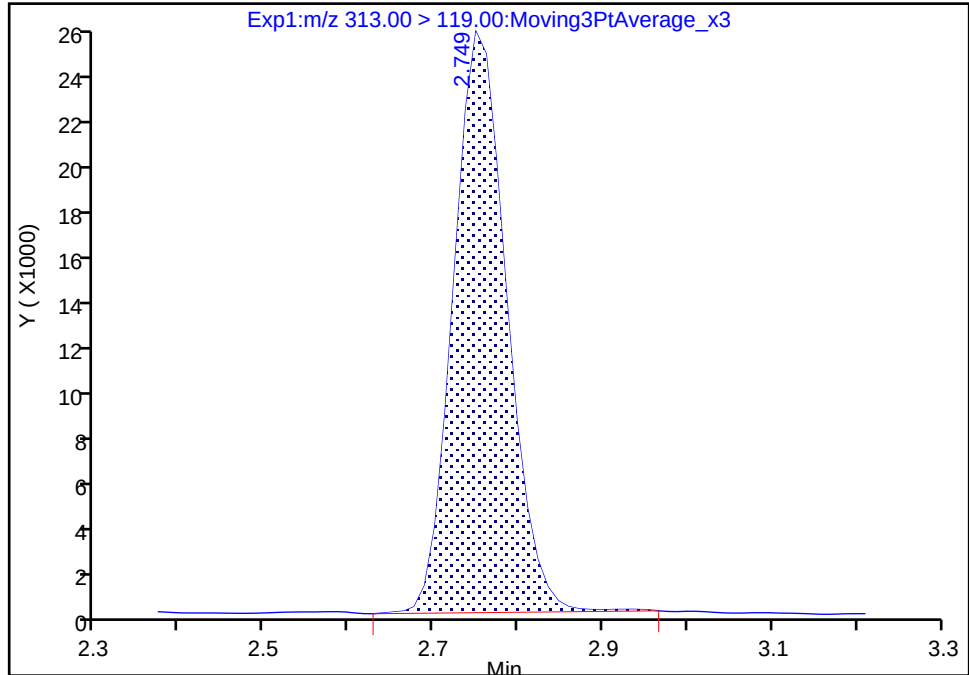
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

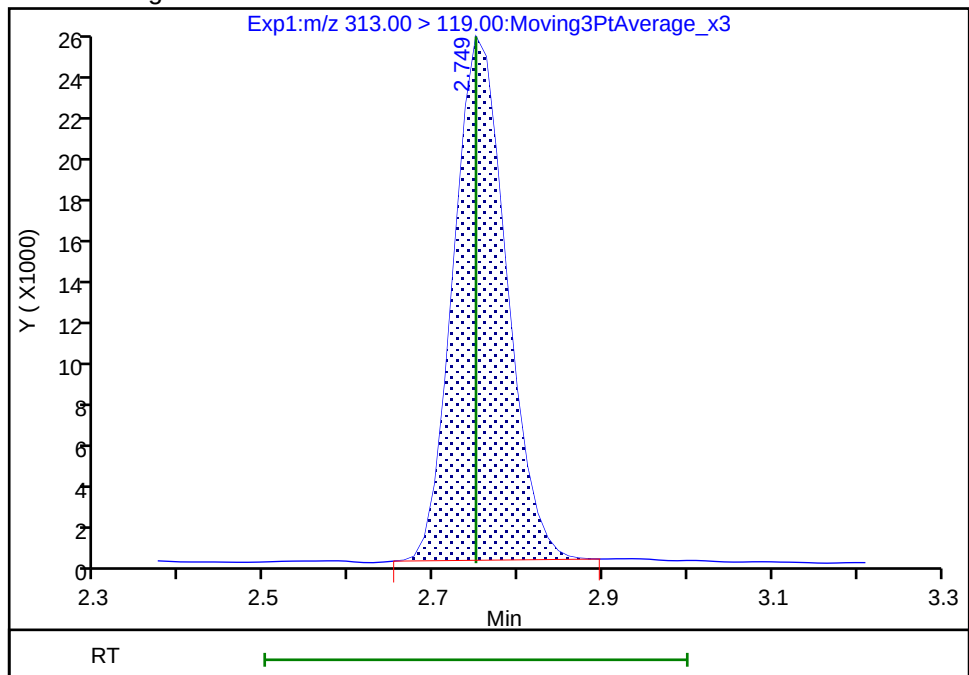
RT: 2.75
Area: 111489
Amount: 1.031220
Amount Units: ng/ml

Processing Integration Results



RT: 2.75
Area: 110153
Amount: 1.023071
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:36:54

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

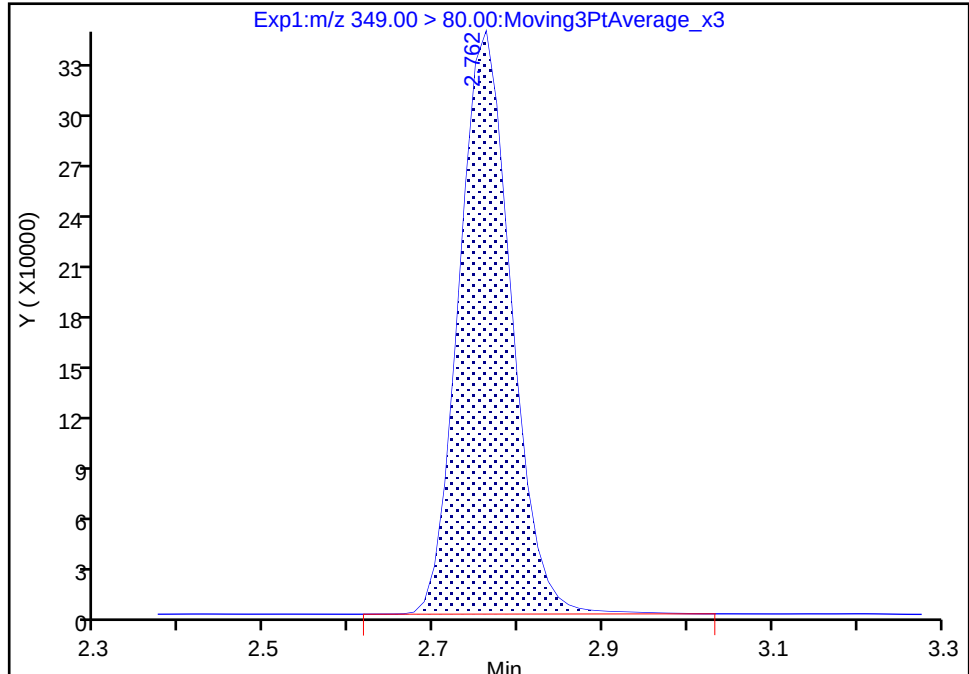
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 1

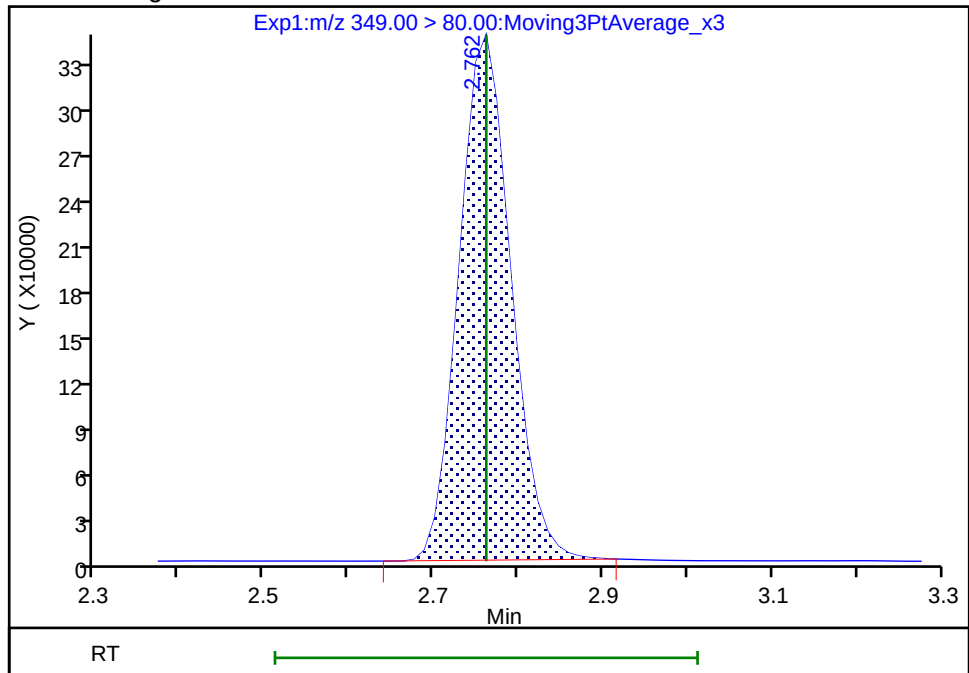
RT: 2.76
Area: 1461262
Amount: 1.056229
Amount Units: ng/ml

Processing Integration Results



RT: 2.76
Area: 1448133
Amount: 1.046739
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:36:59
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

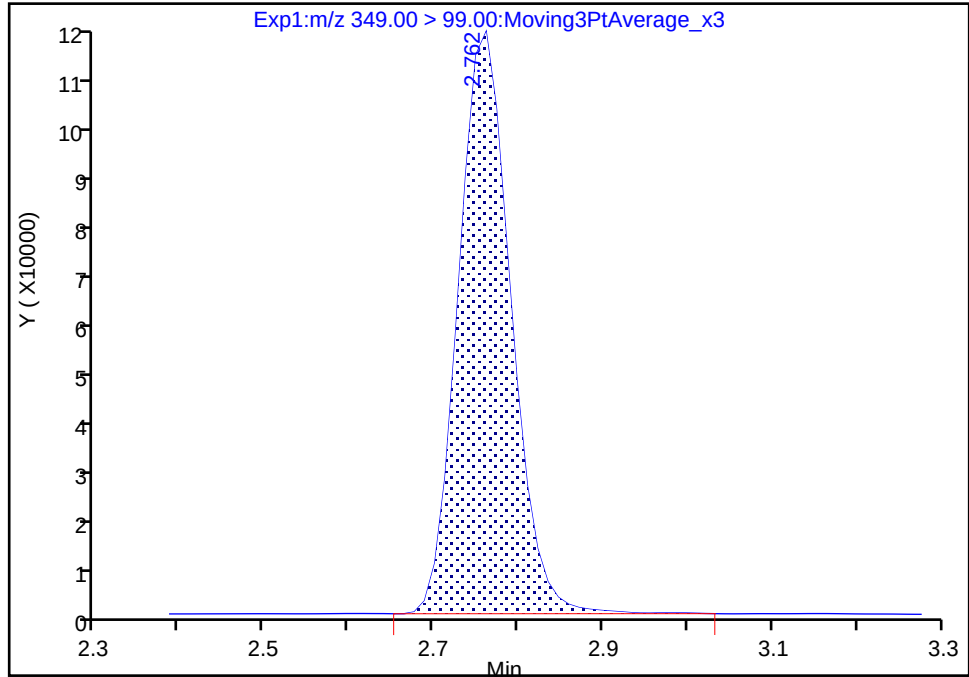
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 2

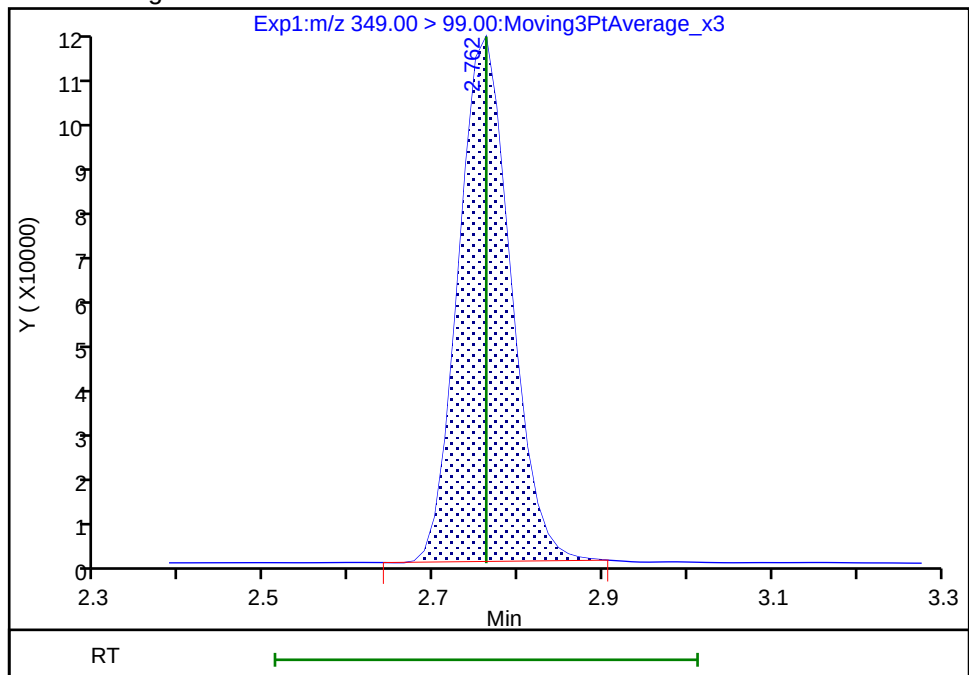
RT: 2.76
Area: 488705
Amount: 1.056229
Amount Units: ng/ml

Processing Integration Results



RT: 2.76
Area: 482893
Amount: 1.046739
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:37:02

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

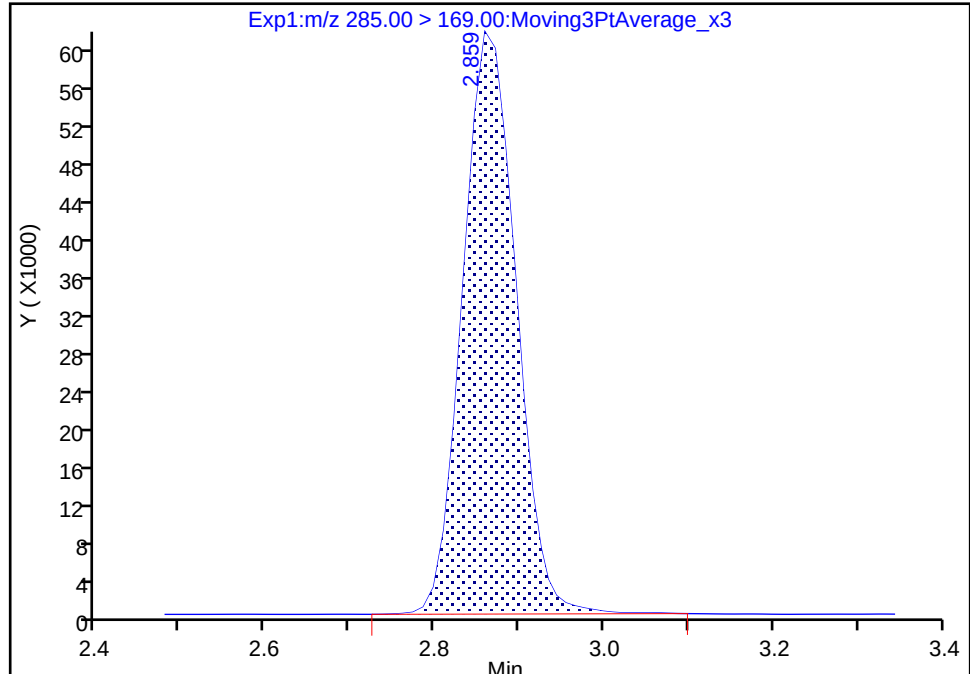
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

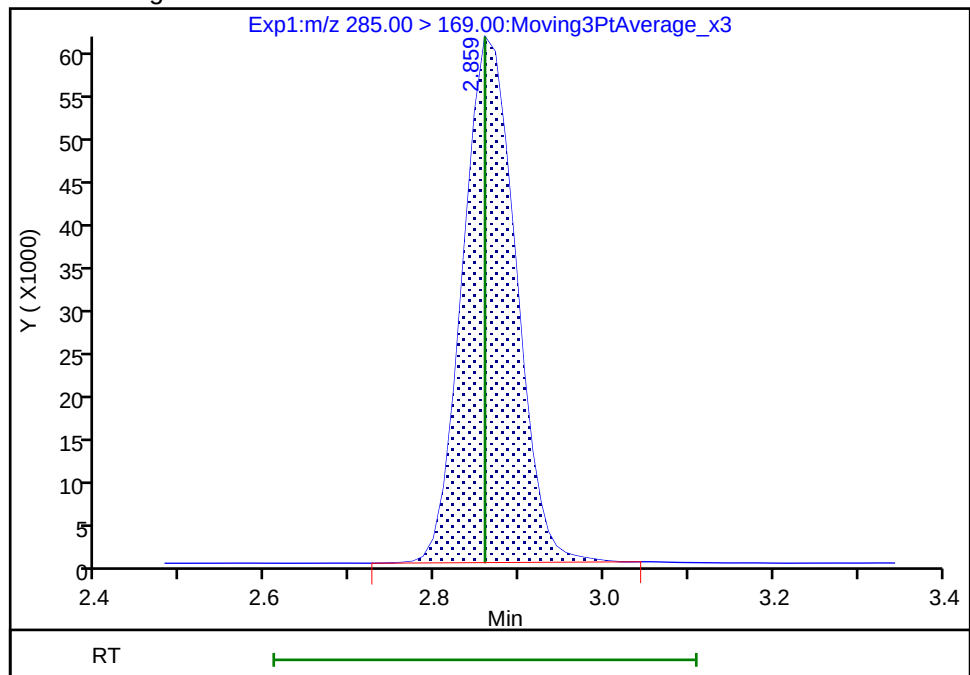
RT: 2.86
Area: 269258
Amount: 0.987221
Amount Units: ng/ml

Processing Integration Results



RT: 2.86
Area: 268085
Amount: 0.982921
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:37:06
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

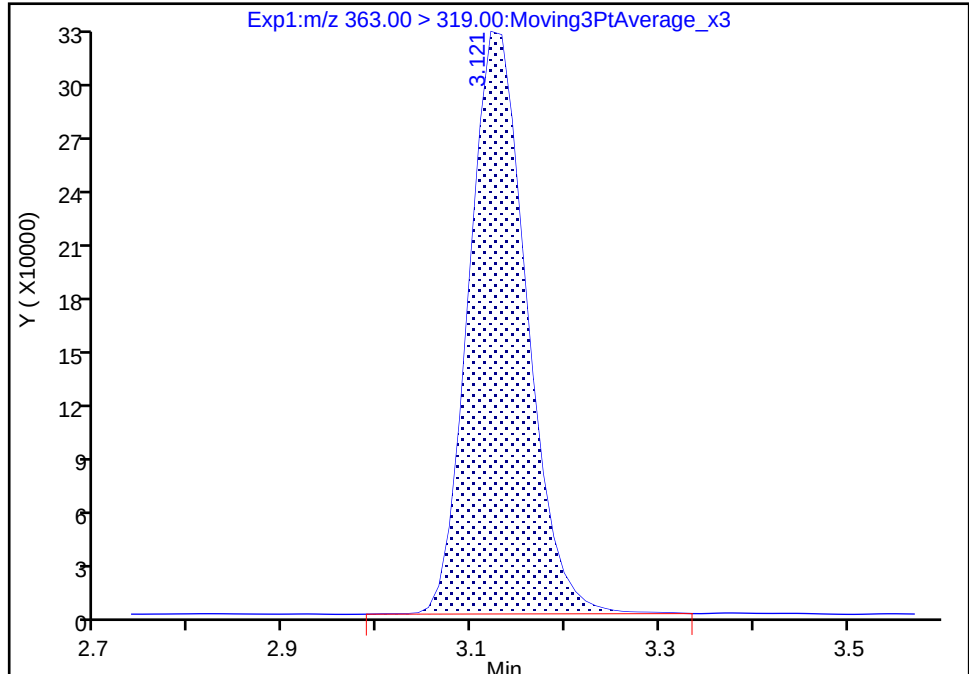
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

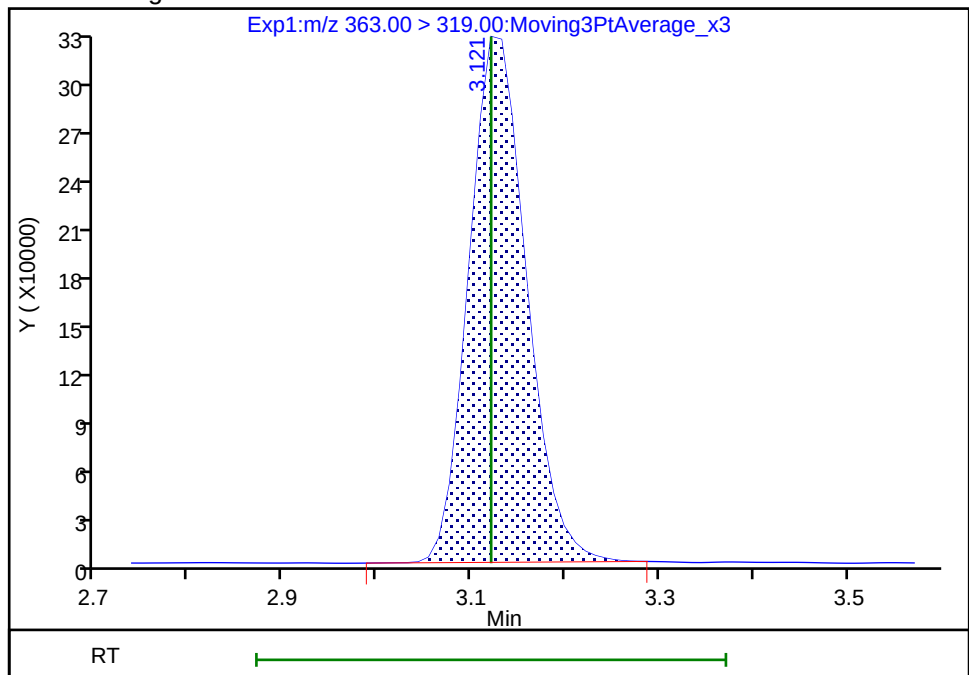
RT: 3.12
Area: 1389860
Amount: 0.976614
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 1382157
Amount: 0.971202
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:37:16
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

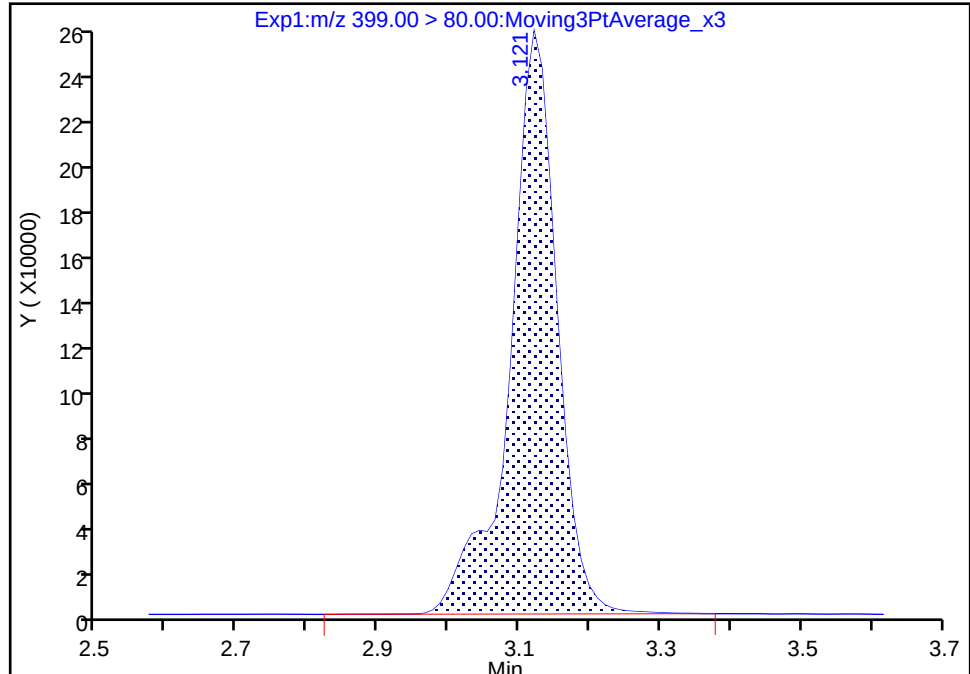
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

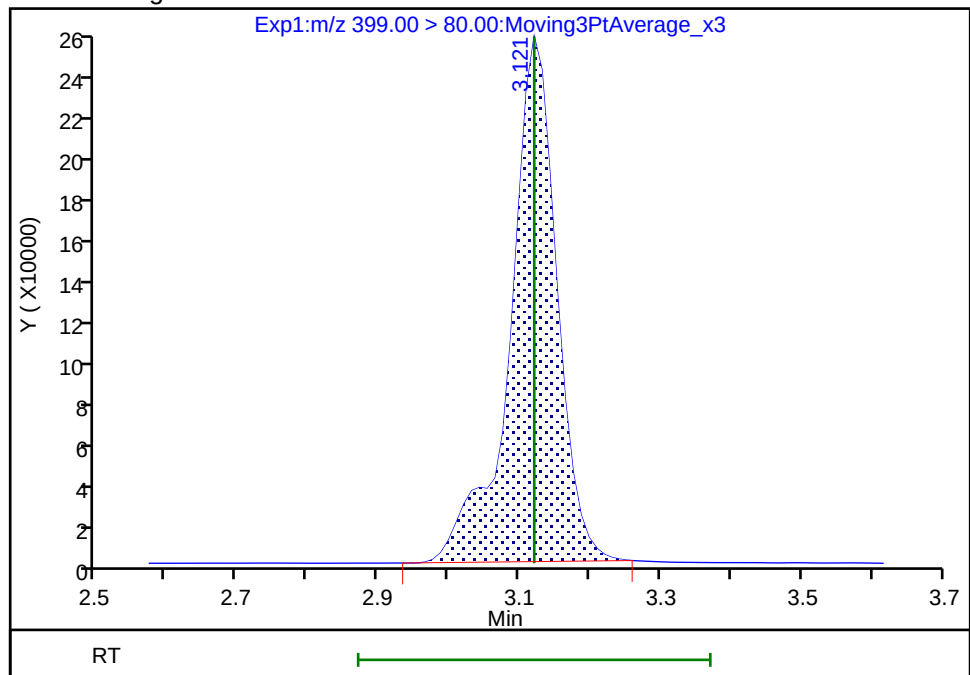
RT: 3.12
Area: 1200133
Amount: 1.019791
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 1186420
Amount: 1.008138
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:37:22

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

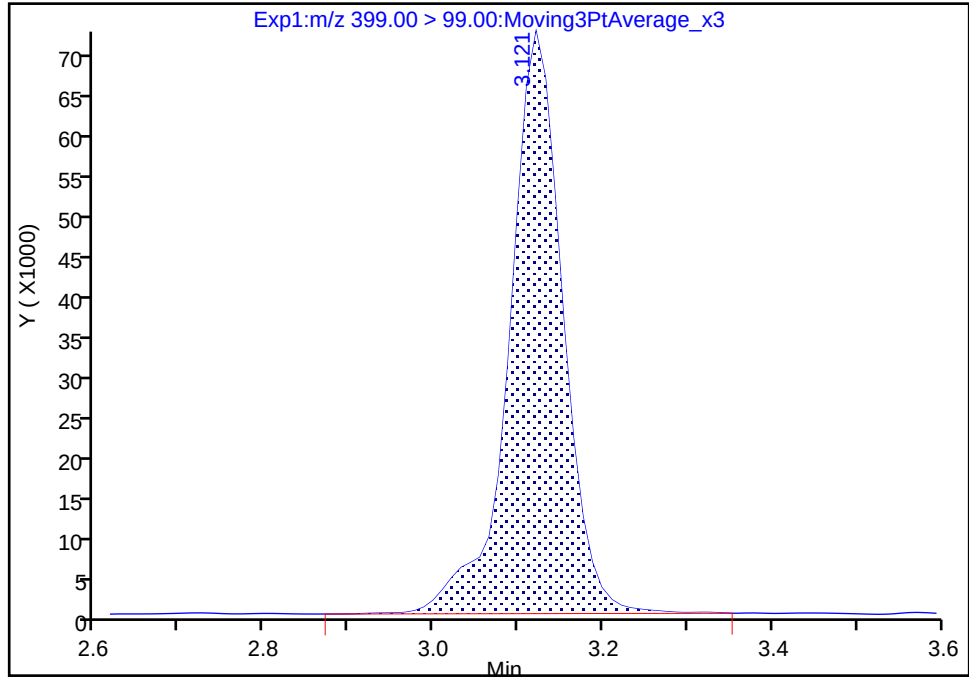
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

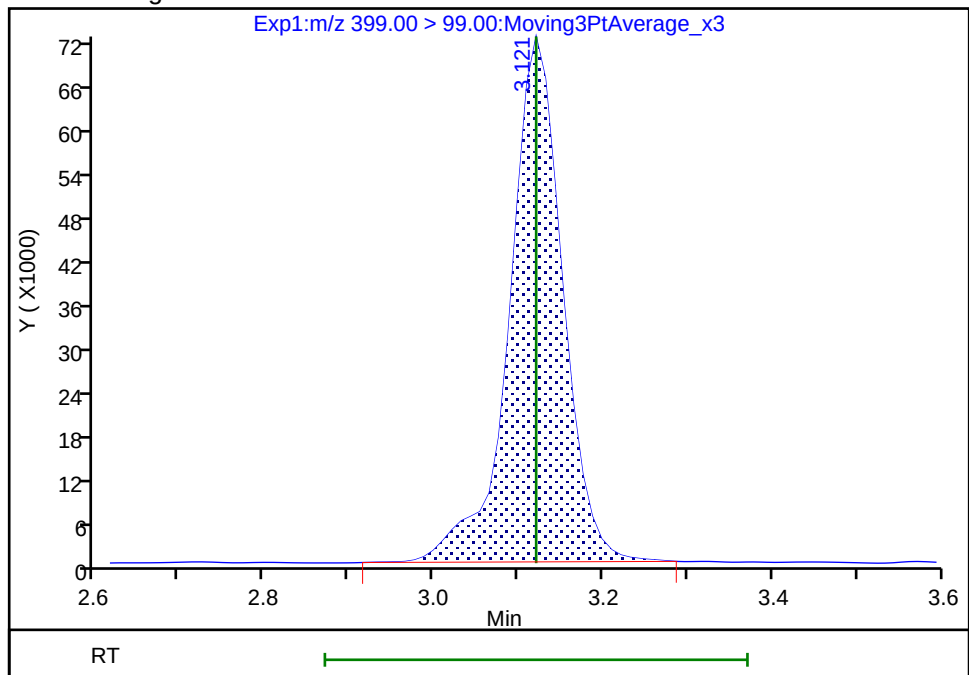
RT: 3.12
Area: 320066
Amount: 1.019791
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 317682
Amount: 1.008138
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:37:27

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

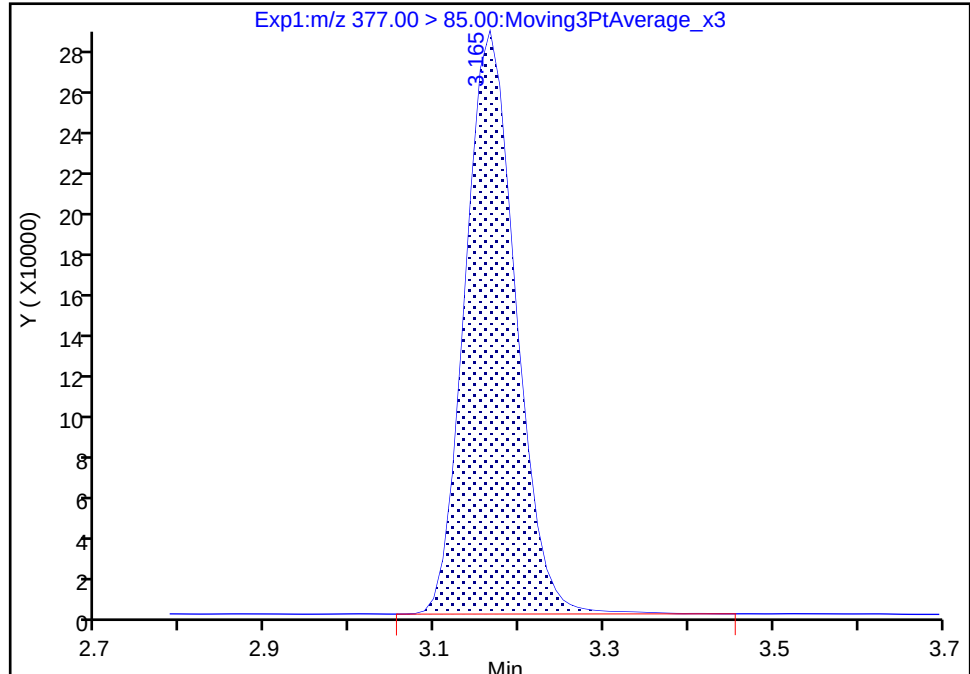
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d		
Injection Date:	03-Aug-2022 13:57:30	Instrument ID:	LC812
Lims ID:	ICV		
Client ID:			
Operator ID:	lc812tech	ALS Bottle#:	9 Worklist Smp#: 12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1

77 DONA, CAS: 919005-14-4

Signal: 2

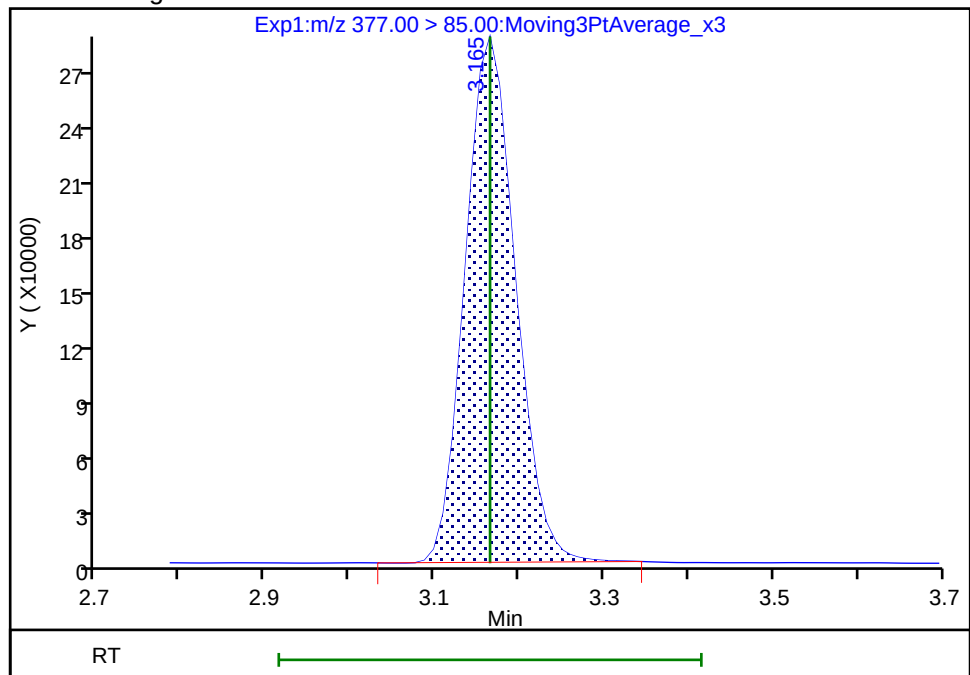
RT: 3.16
Area: 1190502
Amount: 1.081113
Amount Units: ng/ml

Processing Integration Results



RT: 3.16
Area: 1181754
Amount: 1.081113
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:37:32
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

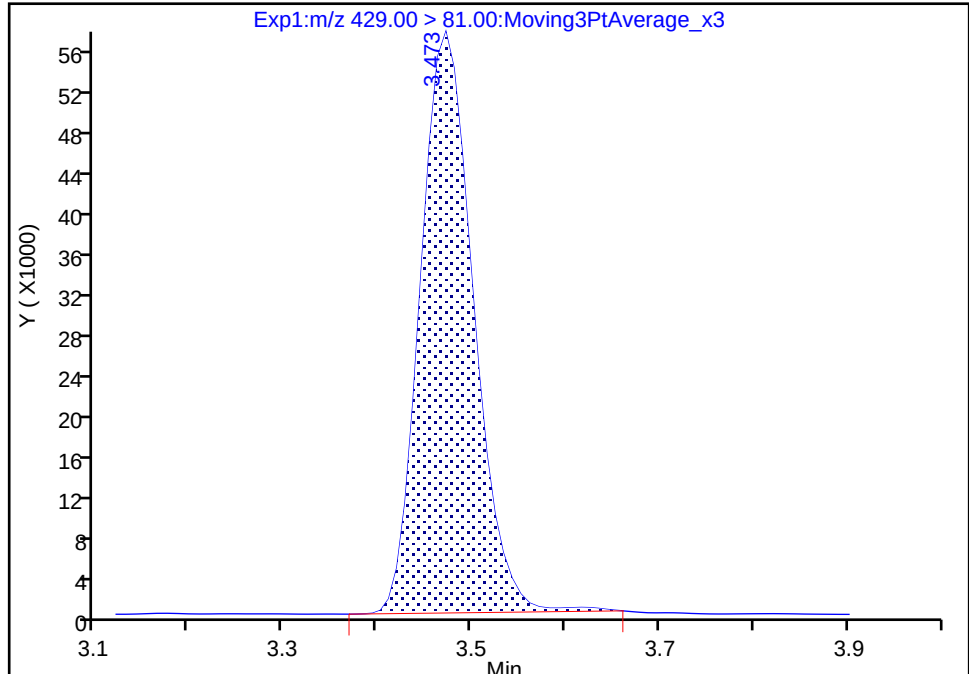
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

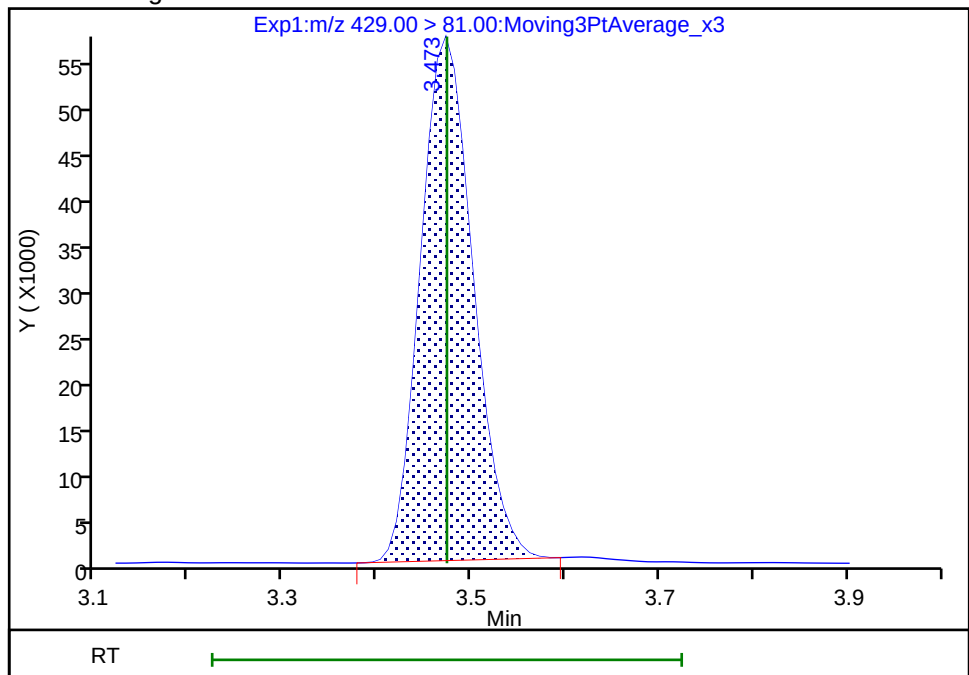
RT: 3.47
Area: 224460
Amount: 0.818873
Amount Units: ng/ml

Processing Integration Results



RT: 3.47
Area: 221205
Amount: 0.806998
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:37:38
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

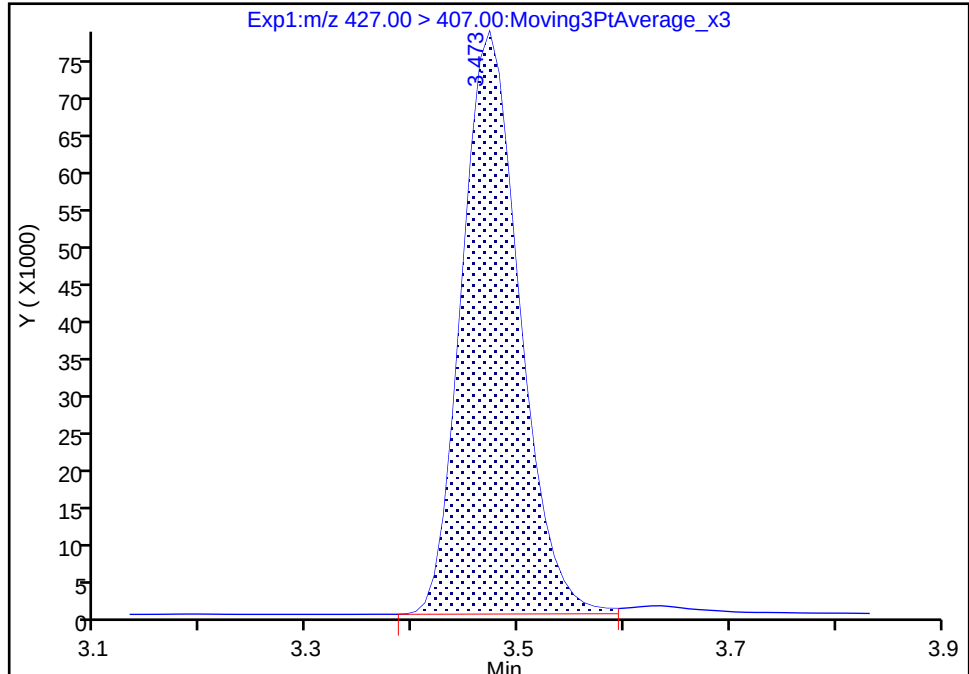
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

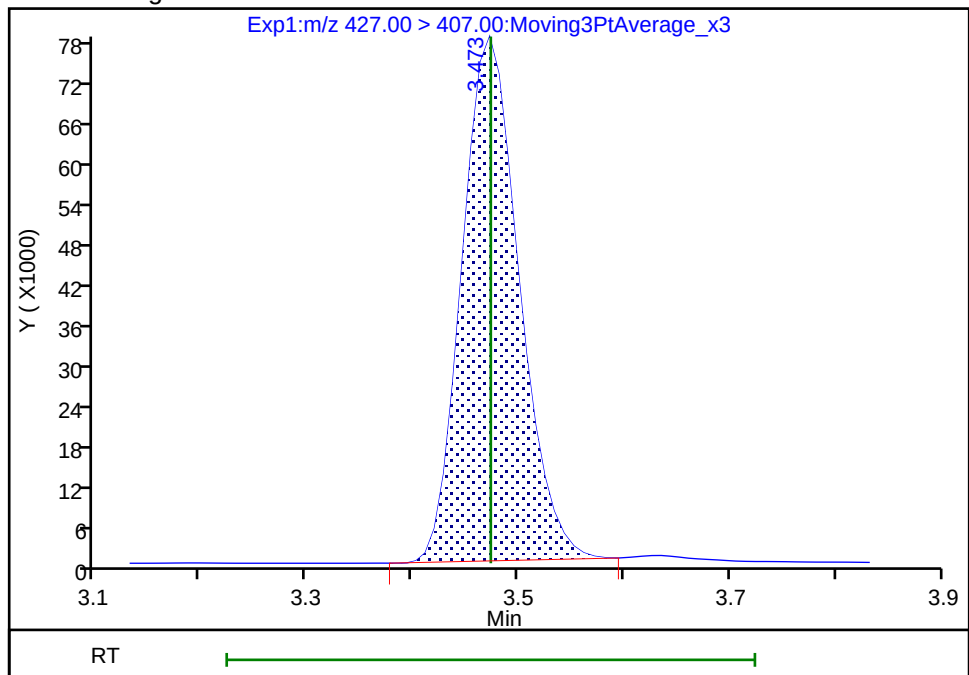
RT: 3.47
Area: 297753
Amount: 1.080118
Amount Units: ng/ml

Processing Integration Results



RT: 3.47
Area: 293223
Amount: 1.063430
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:37:43
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

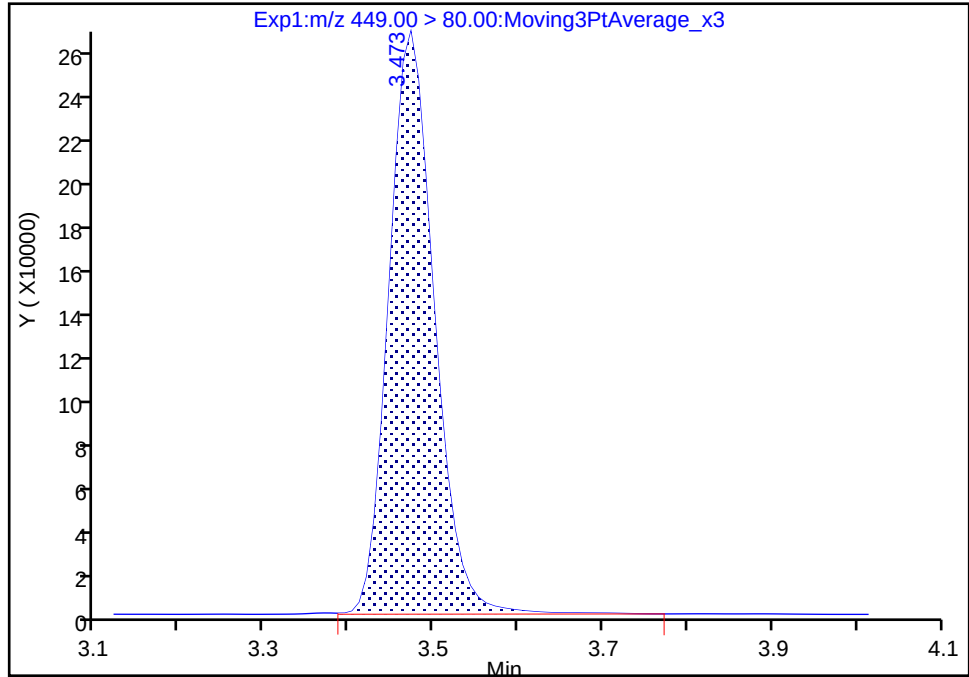
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

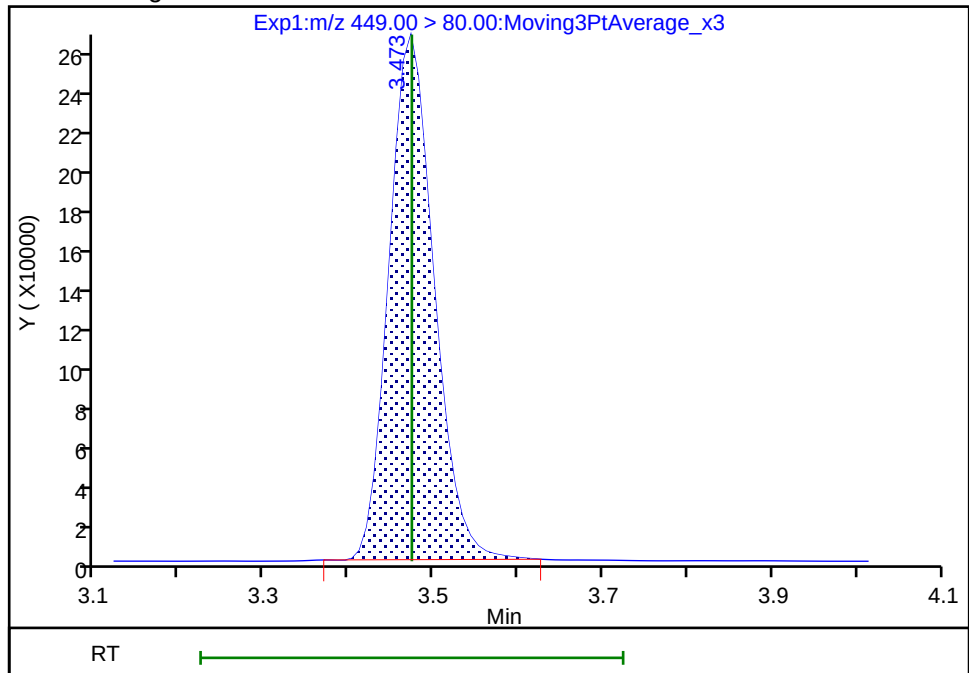
RT: 3.47
Area: 993891
Amount: 1.048304
Amount Units: ng/ml

Processing Integration Results



RT: 3.47
Area: 980236
Amount: 1.033901
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:37:49
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

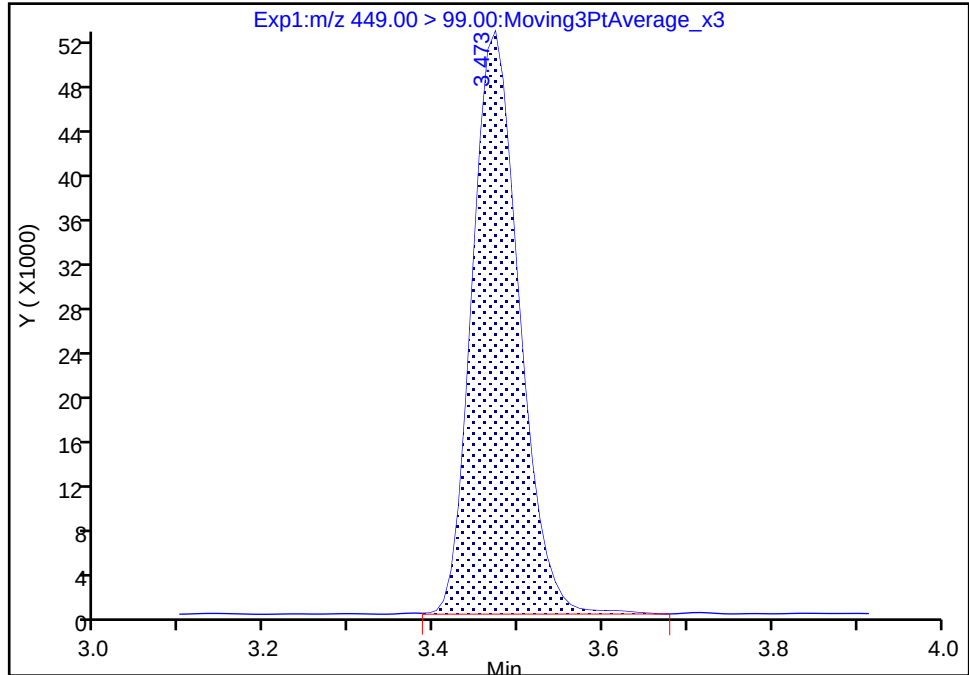
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

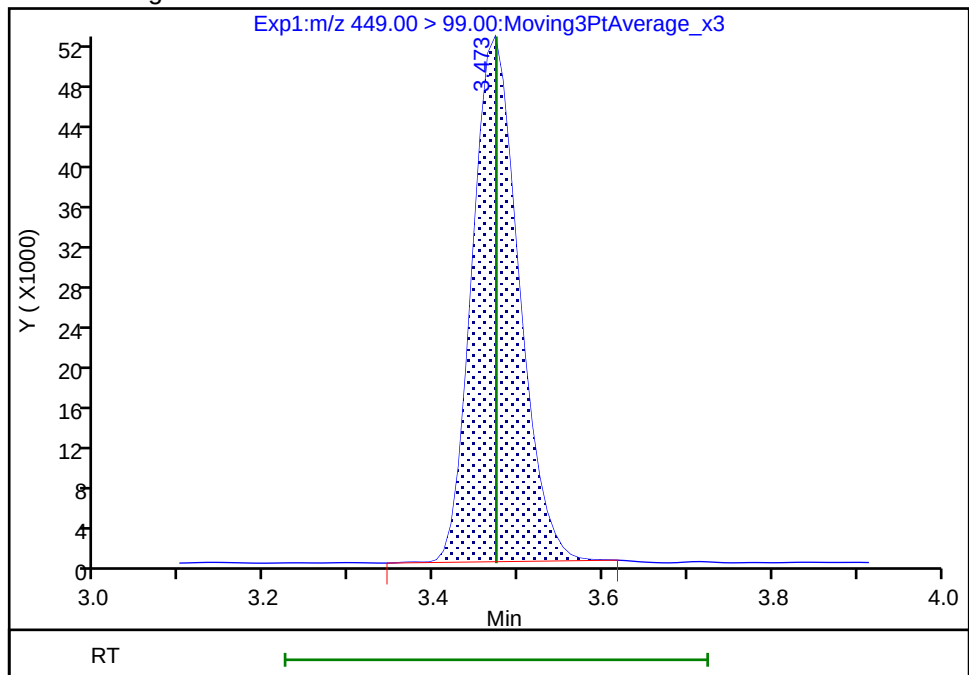
RT: 3.47
Area: 201520
Amount: 1.048304
Amount Units: ng/ml

Processing Integration Results



RT: 3.47
Area: 199020
Amount: 1.033901
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:37:52

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

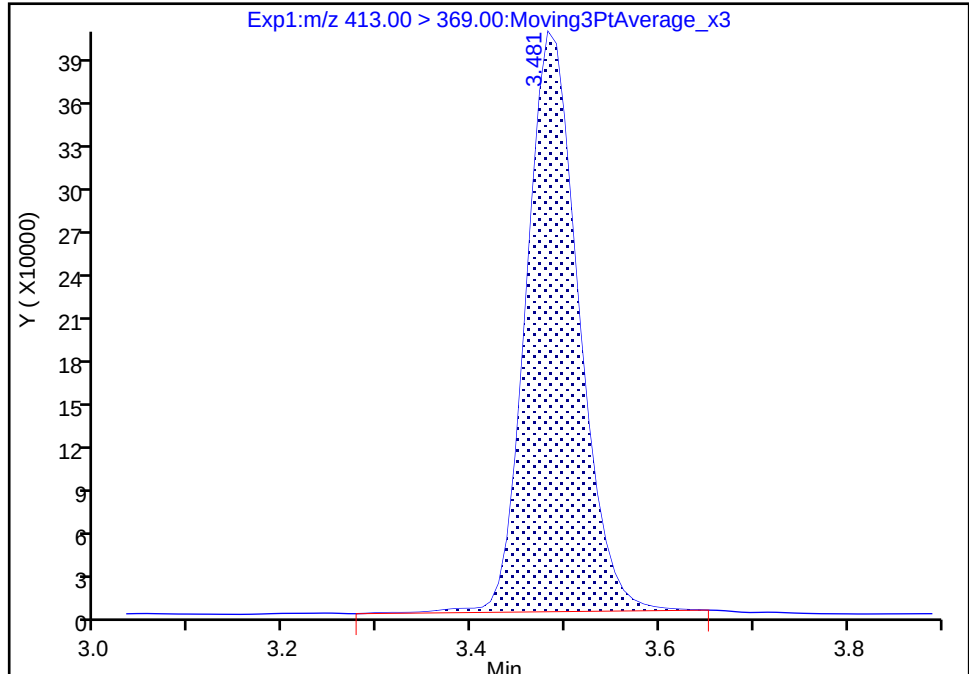
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

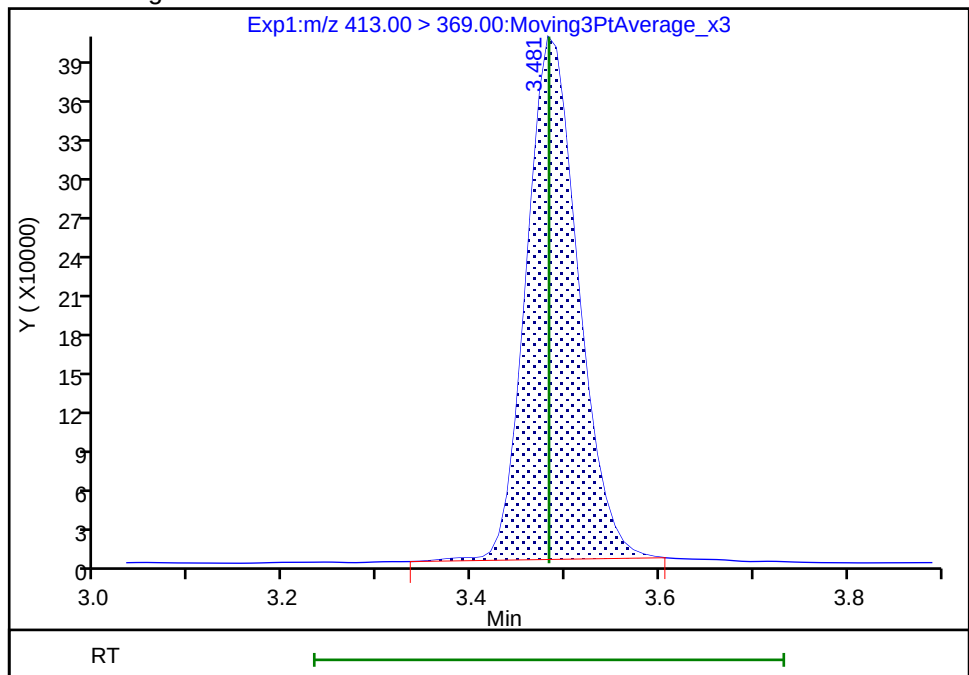
RT: 3.48
Area: 1547431
Amount: 0.964469
Amount Units: ng/ml

Processing Integration Results



RT: 3.48
Area: 1527957
Amount: 0.952332
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:37:59
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

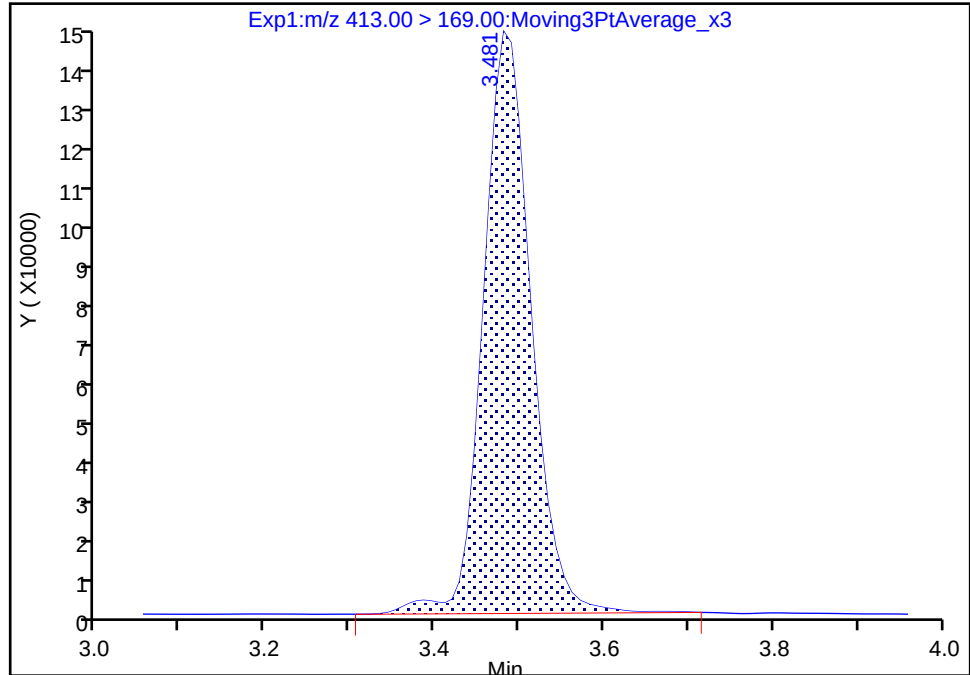
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

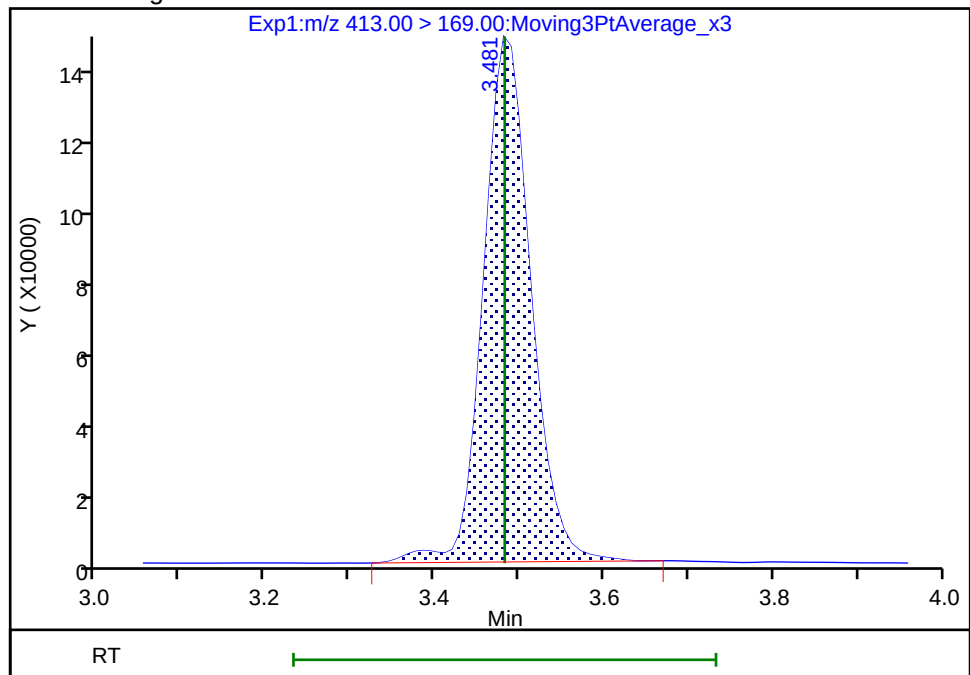
RT: 3.48
Area: 586071
Amount: 0.964469
Amount Units: ng/ml

Processing Integration Results



RT: 3.48
Area: 582551
Amount: 0.952332
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:38:02

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

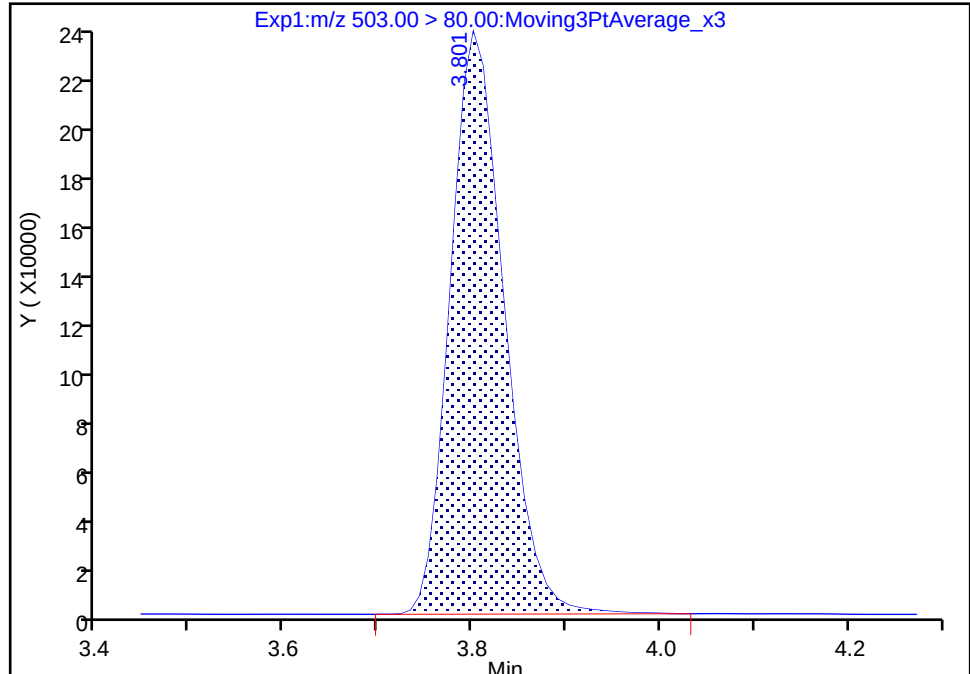
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 18 13C4 PFOS, CAS: STL00991

Signal: 1

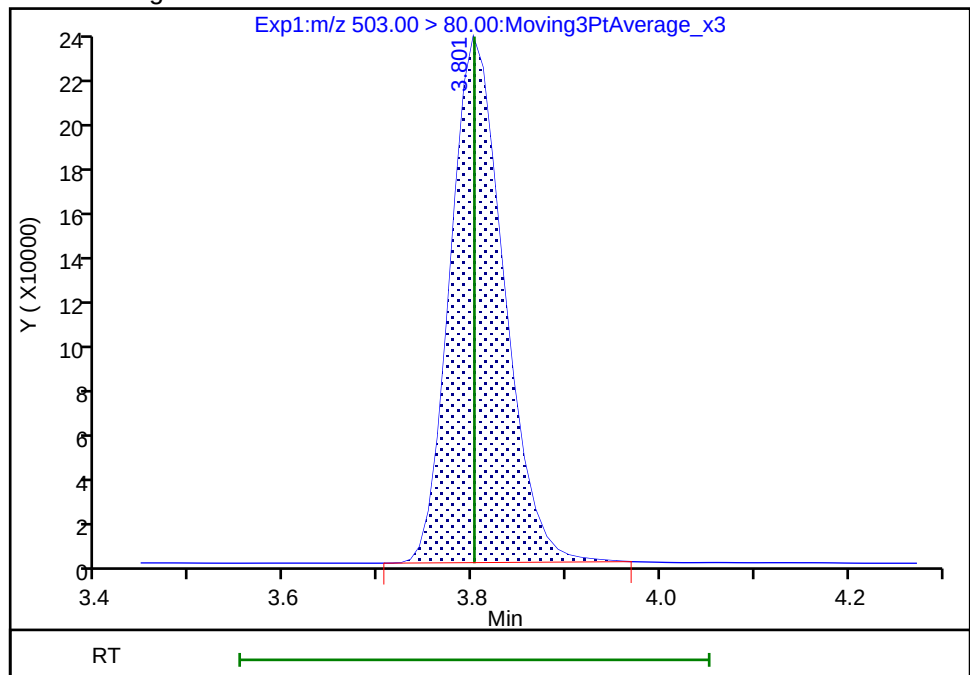
RT: 3.80
Area: 921321
Amount: 0.749729
Amount Units: ng/ml

Processing Integration Results



RT: 3.80
Area: 916636
Amount: 0.749572
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:24:21

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

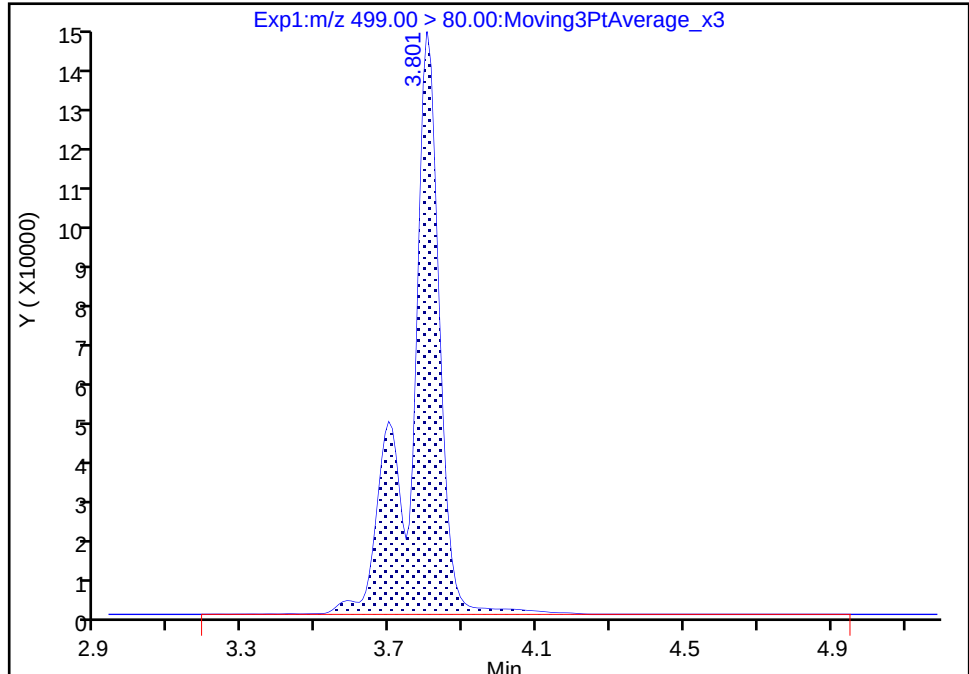
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

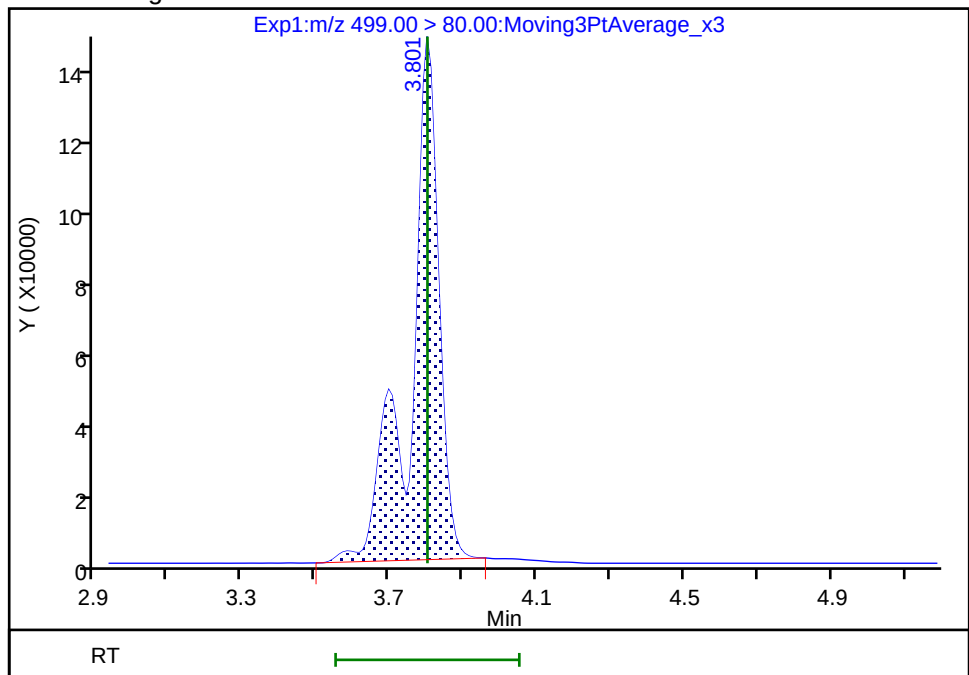
RT: 3.80
Area: 807749
Amount: 1.039923
Amount Units: ng/ml

Processing Integration Results



RT: 3.80
Area: 773514
Amount: 0.995064
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:38:43
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

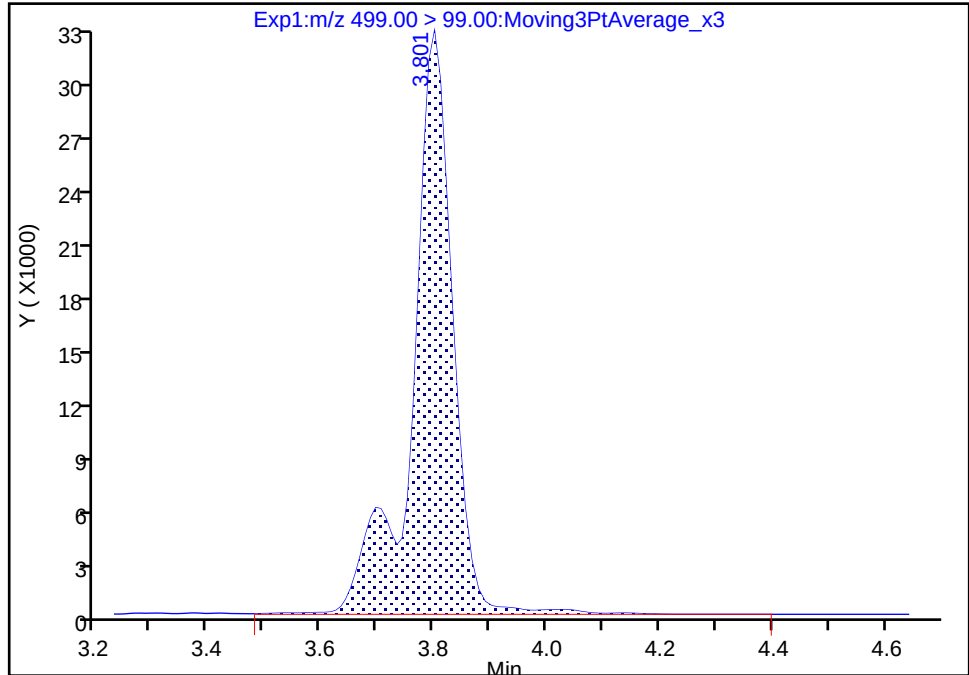
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

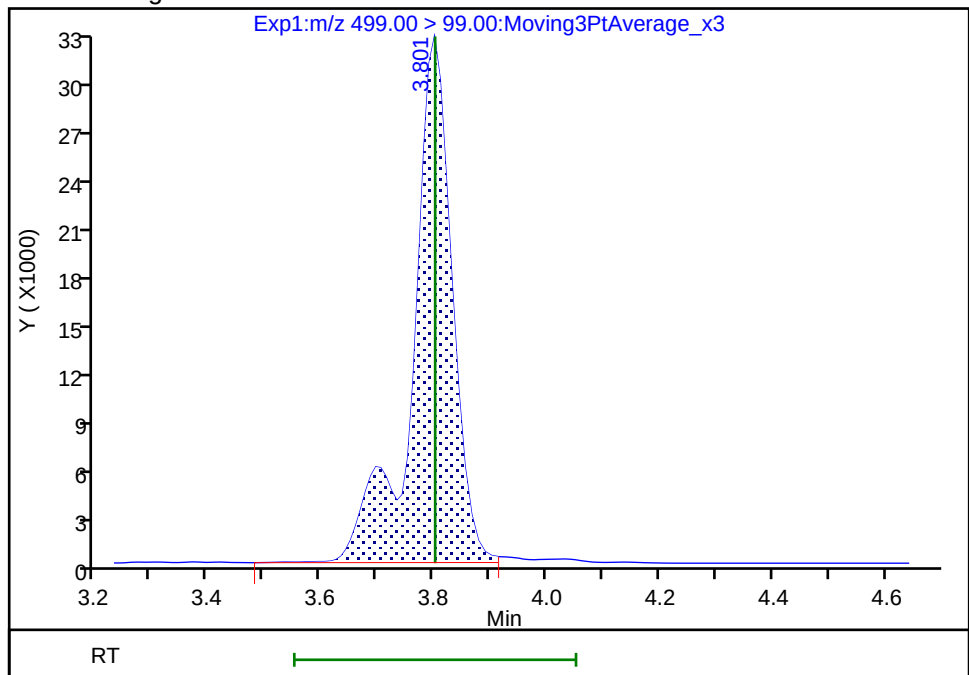
RT: 3.80
Area: 160469
Amount: 1.039923
Amount Units: ng/ml

Processing Integration Results



RT: 3.80
Area: 156755
Amount: 0.995064
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:38:57

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

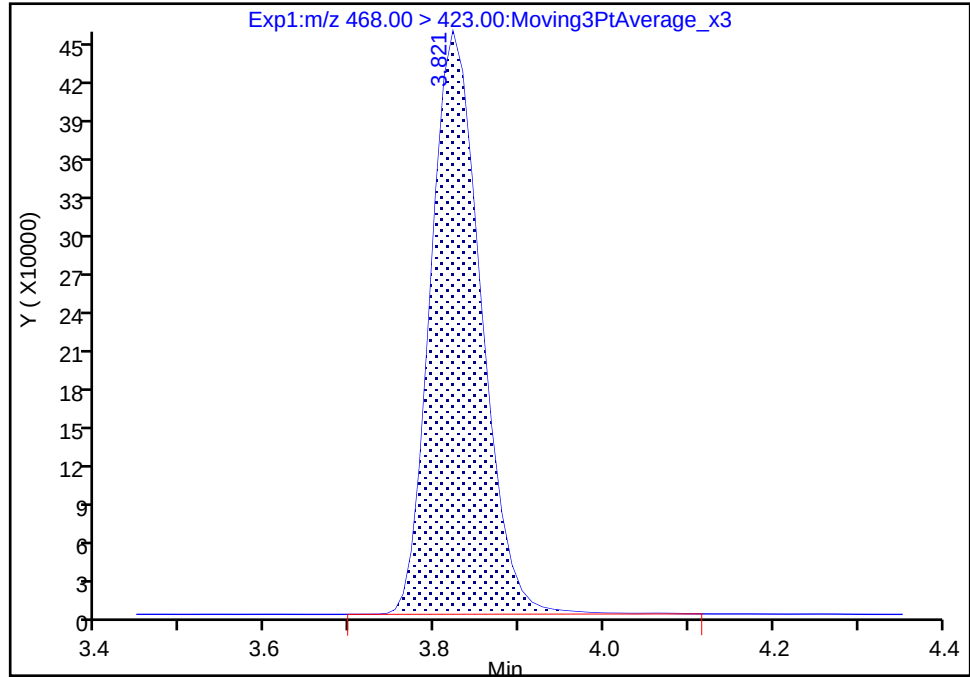
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 19 13C5 PFNA, CAS: STL00995

Signal: 1

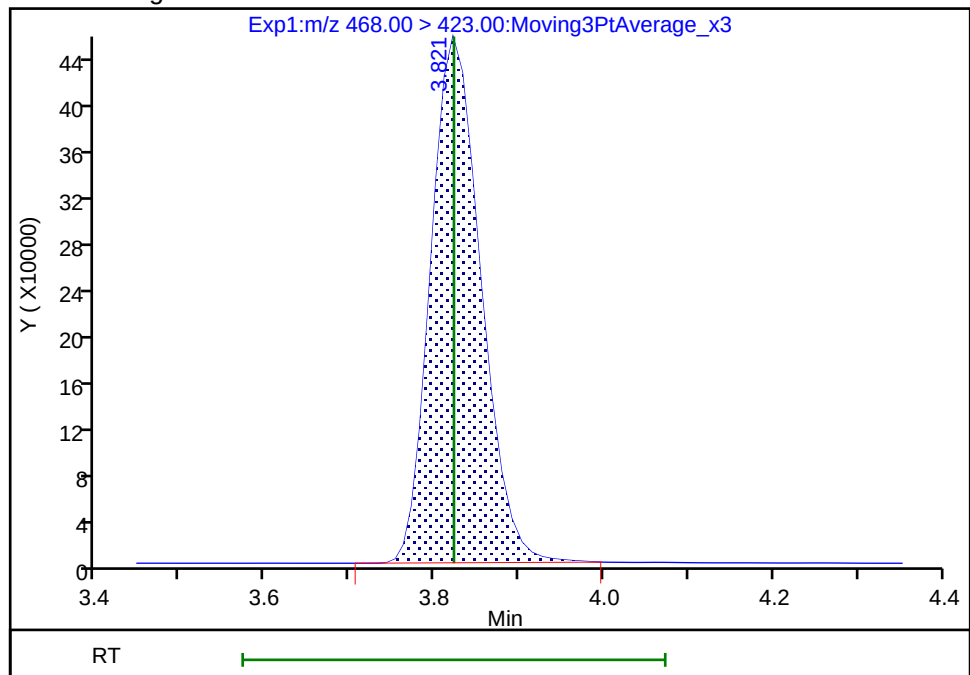
RT: 3.82
Area: 1870428
Amount: 0.843669
Amount Units: ng/ml

Processing Integration Results



RT: 3.82
Area: 1861564
Amount: 0.839670
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:39:03

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

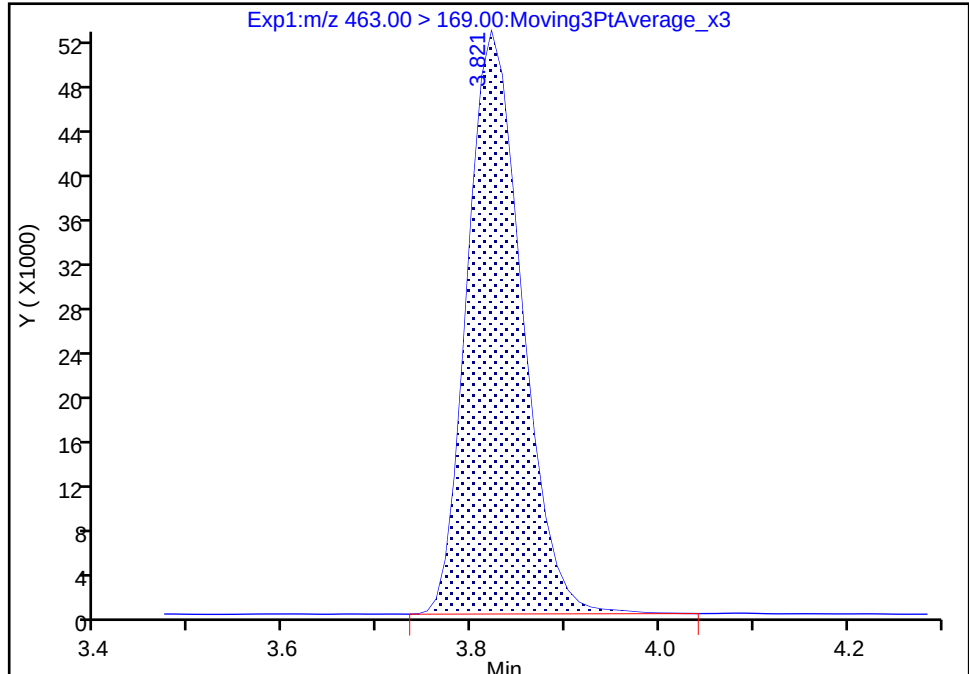
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

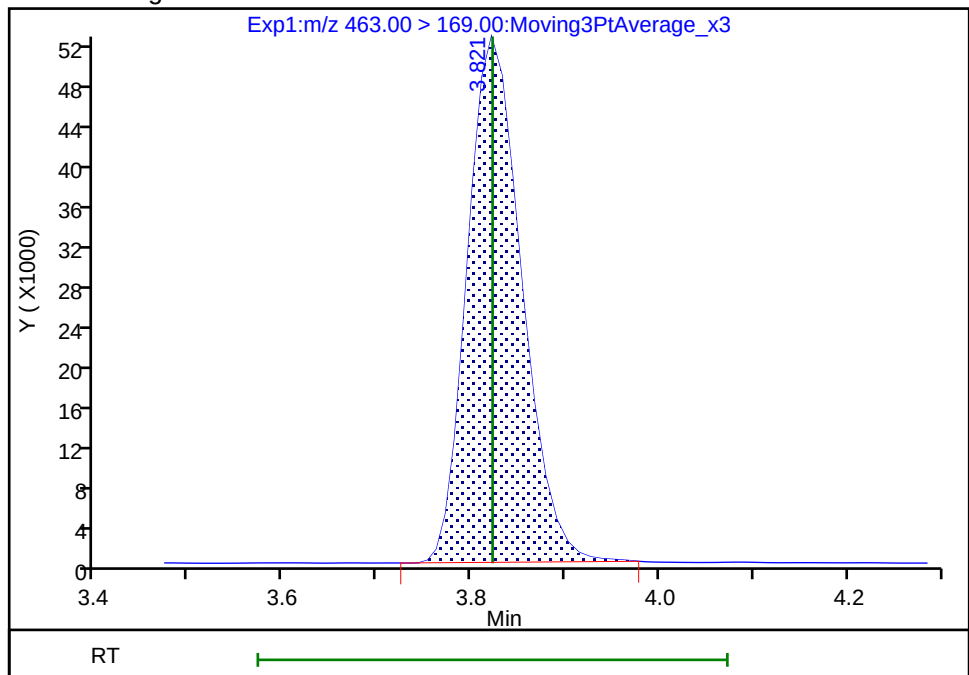
RT: 3.82
Area: 211007
Amount: 1.091114
Amount Units: ng/ml

Processing Integration Results



RT: 3.82
Area: 209775
Amount: 1.091114
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:39:08
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

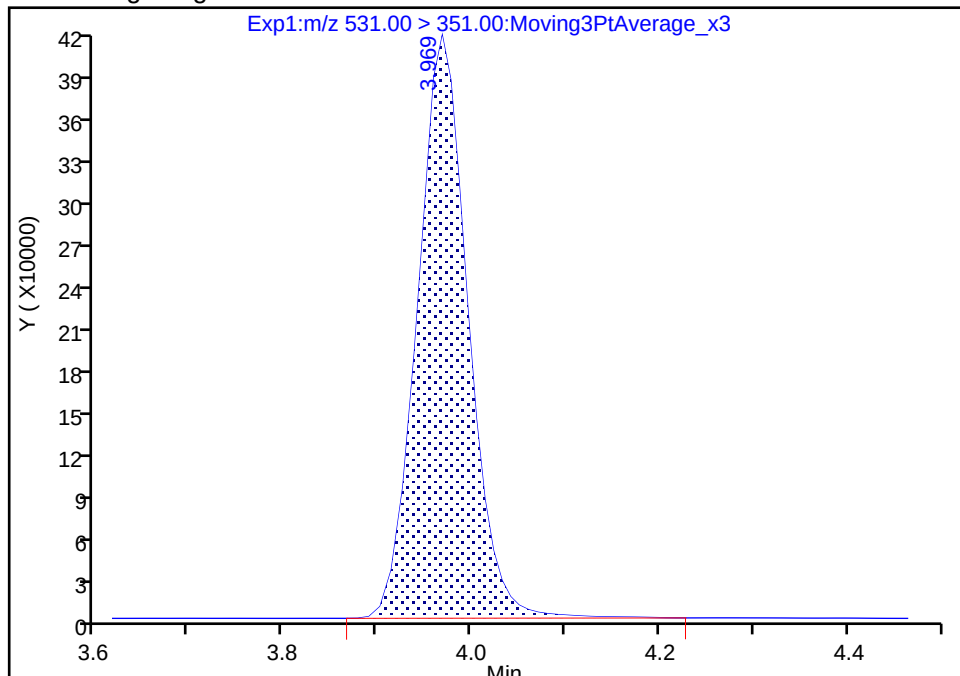
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

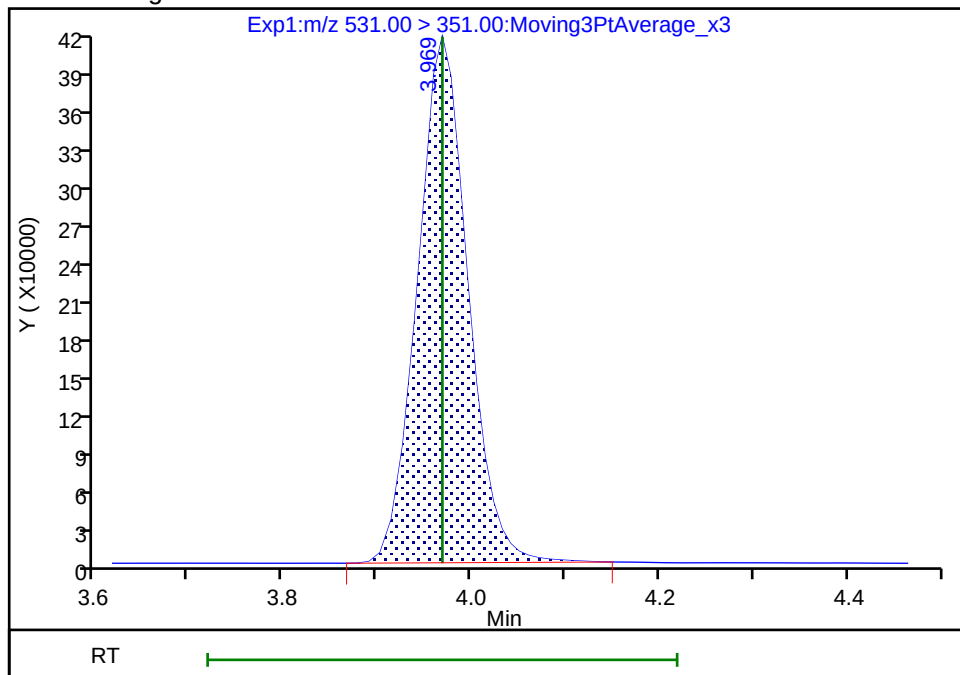
RT: 3.97
Area: 1545463
Amount: 1.140555
Amount Units: ng/ml

Processing Integration Results



RT: 3.97
Area: 1537545
Amount: 1.134711
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:39:13

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

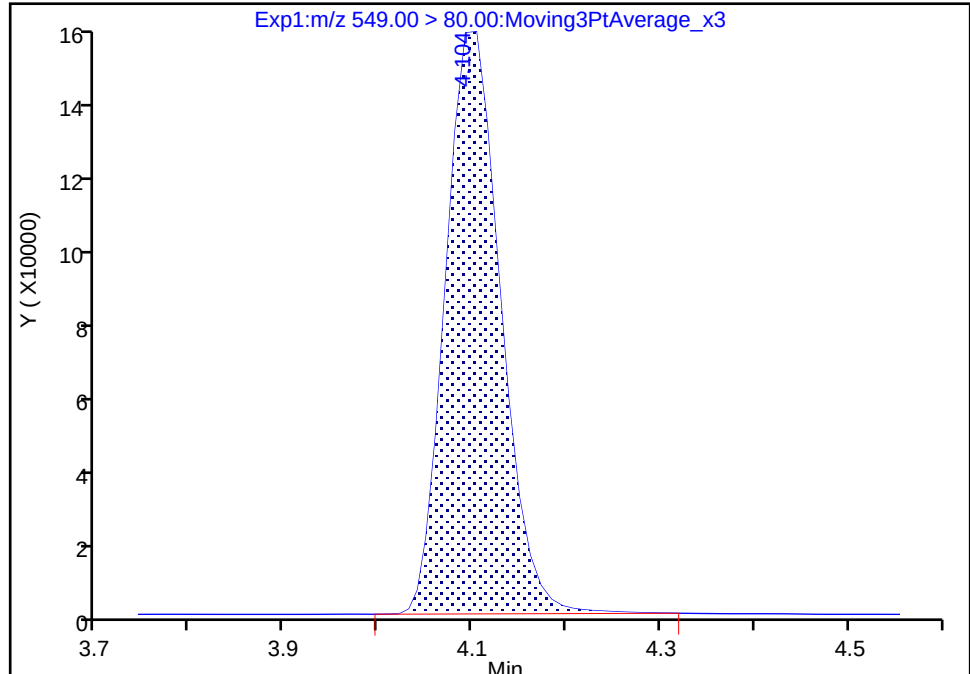
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 1

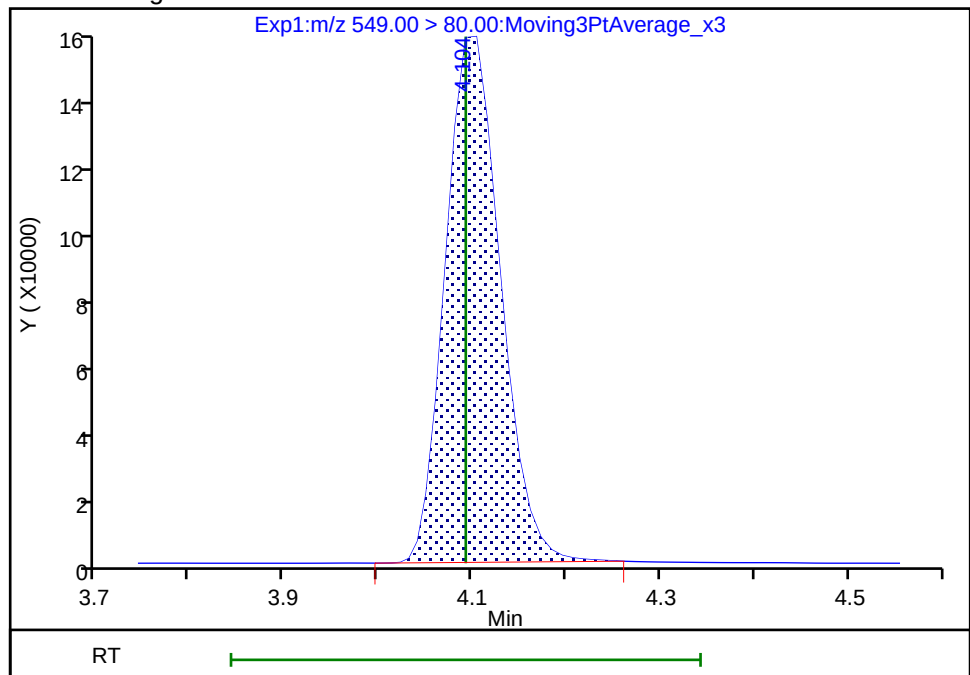
RT: 4.10
Area: 630659
Amount: 1.050069
Amount Units: ng/ml

Processing Integration Results



RT: 4.10
Area: 627438
Amount: 1.044706
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:39:19
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

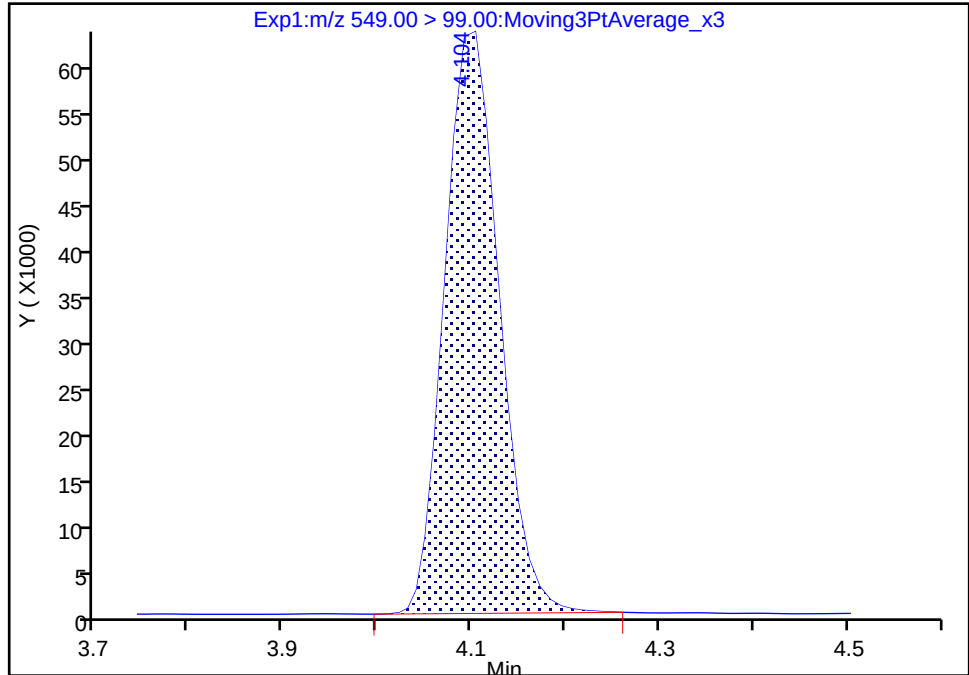
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 2

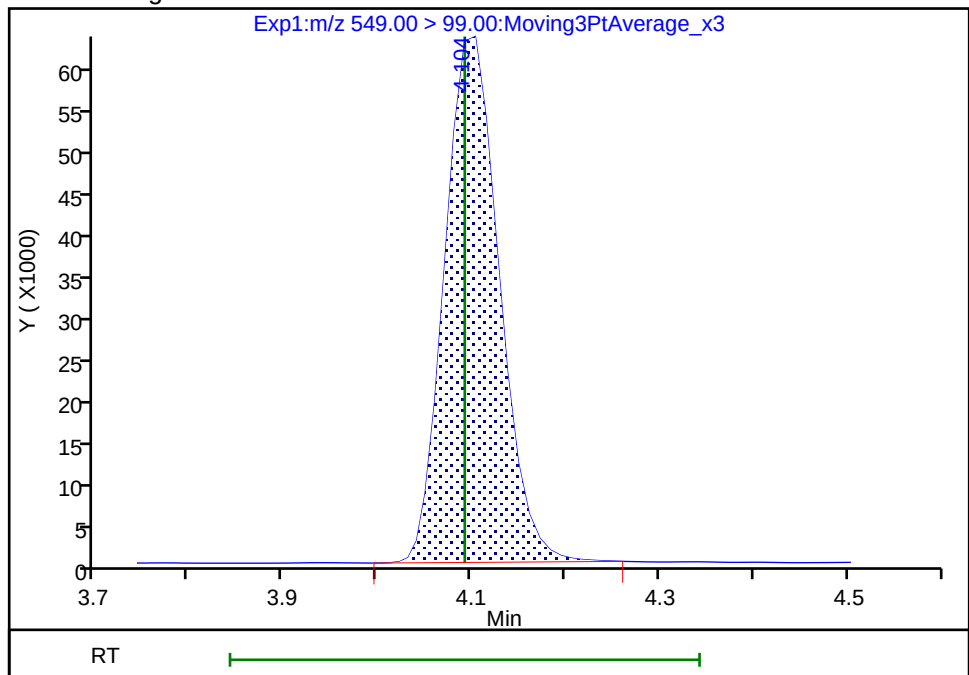
RT: 4.10
Area: 256410
Amount: 1.050069
Amount Units: ng/ml

Processing Integration Results



RT: 4.10
Area: 256410
Amount: 1.044706
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:39:28

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

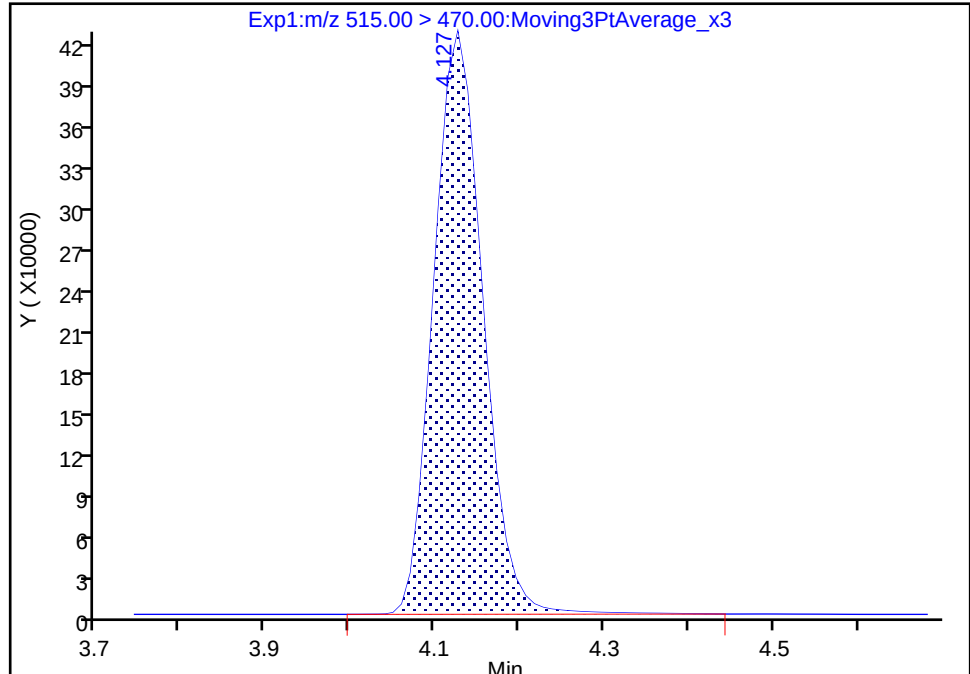
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 23 13C2 PFDA, CAS: STL00996

Signal: 1

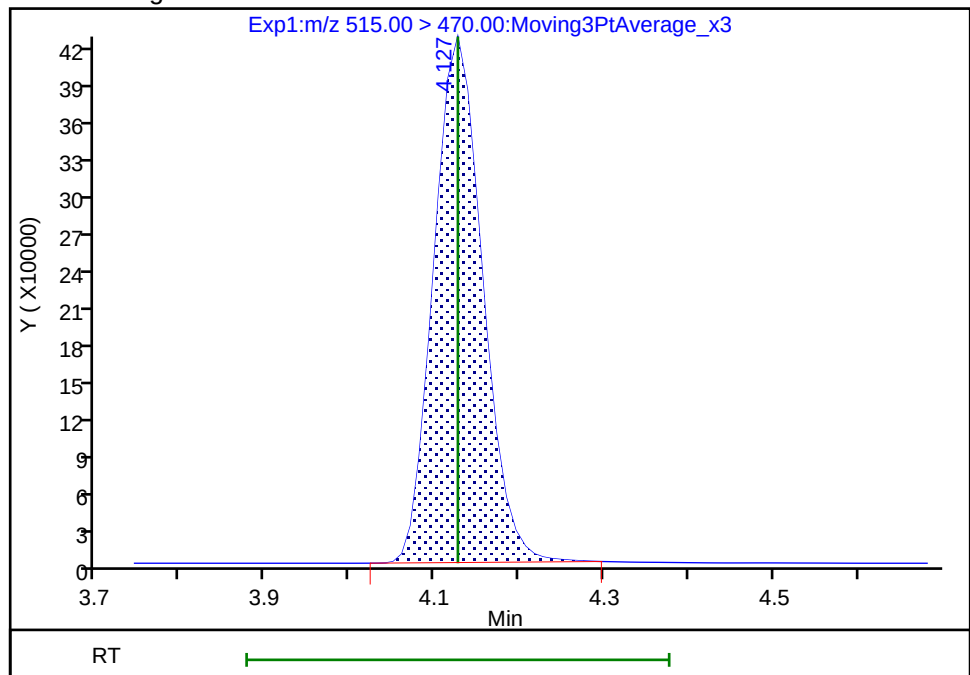
RT: 4.13
Area: 1731957
Amount: 0.802695
Amount Units: ng/ml

Processing Integration Results



RT: 4.13
Area: 1716953
Amount: 0.795741
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:39:45
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

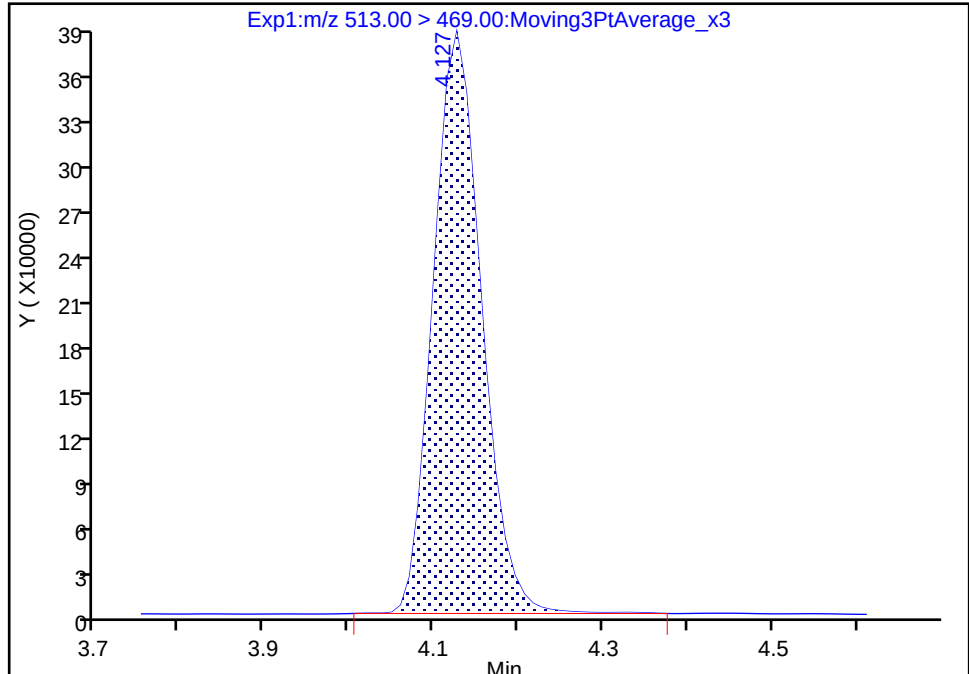
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

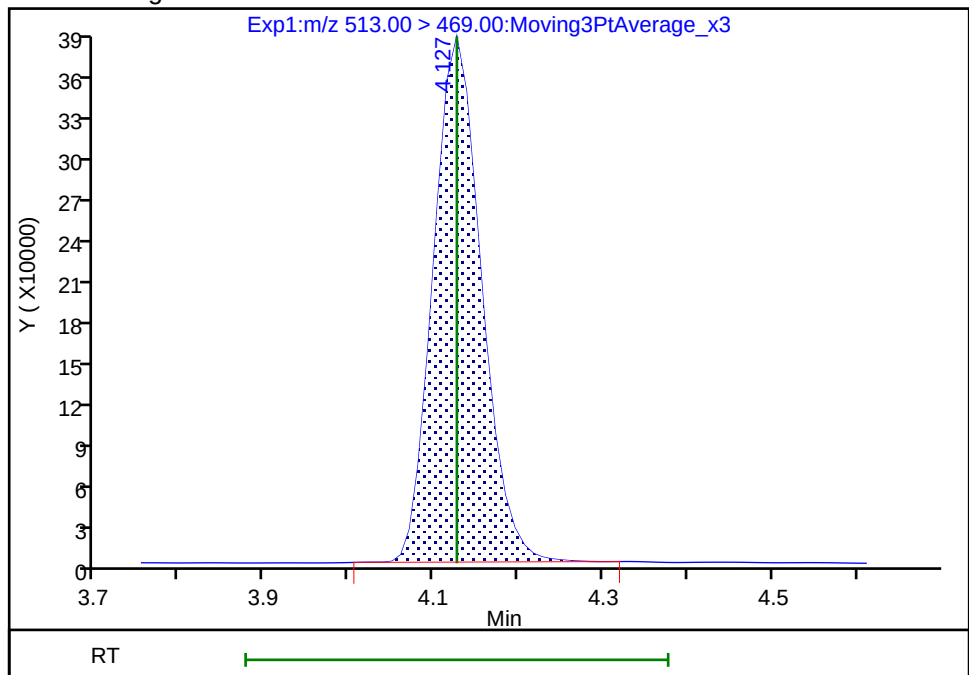
RT: 4.13
Area: 1534533
Amount: 1.053072
Amount Units: ng/ml

Processing Integration Results



RT: 4.13
Area: 1526795
Amount: 1.056918
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:39:41
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

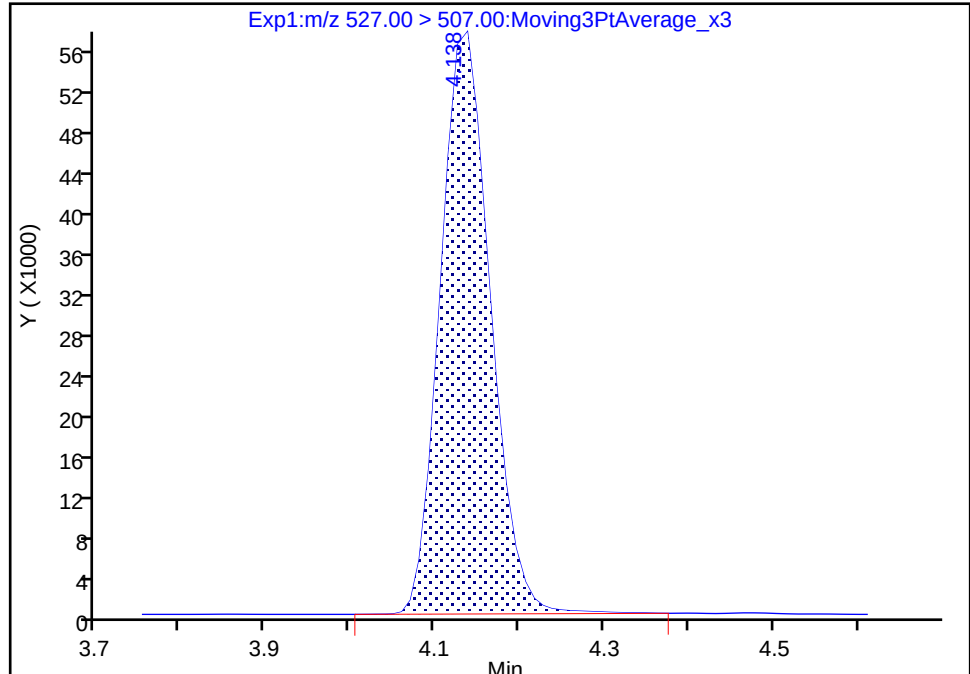
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

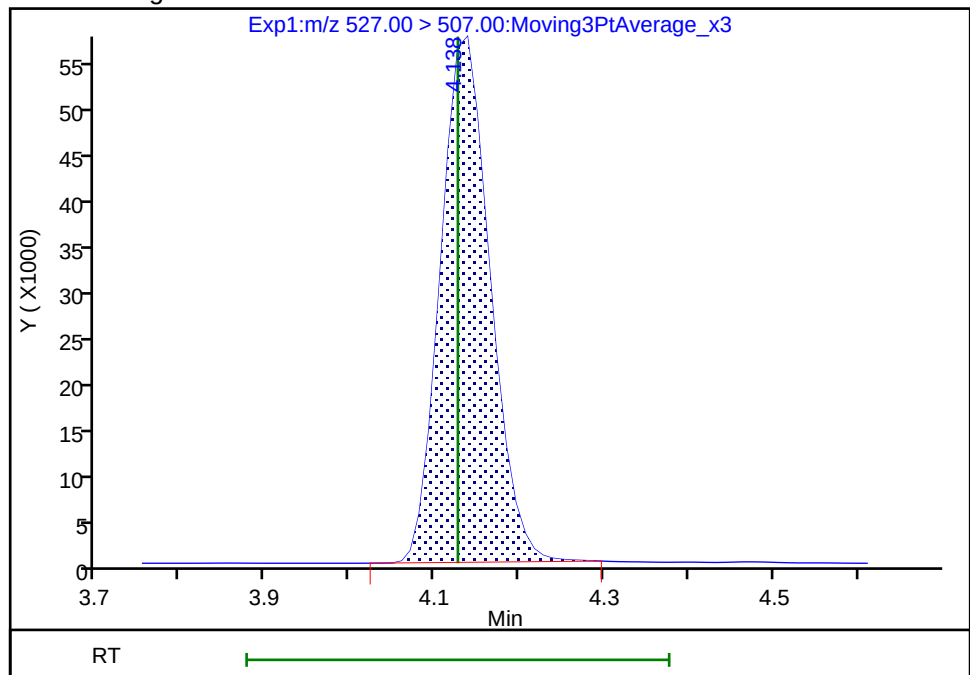
RT: 4.14
Area: 233893
Amount: 1.078748
Amount Units: ng/ml

Processing Integration Results



RT: 4.14
Area: 232301
Amount: 1.078905
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:39:36
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

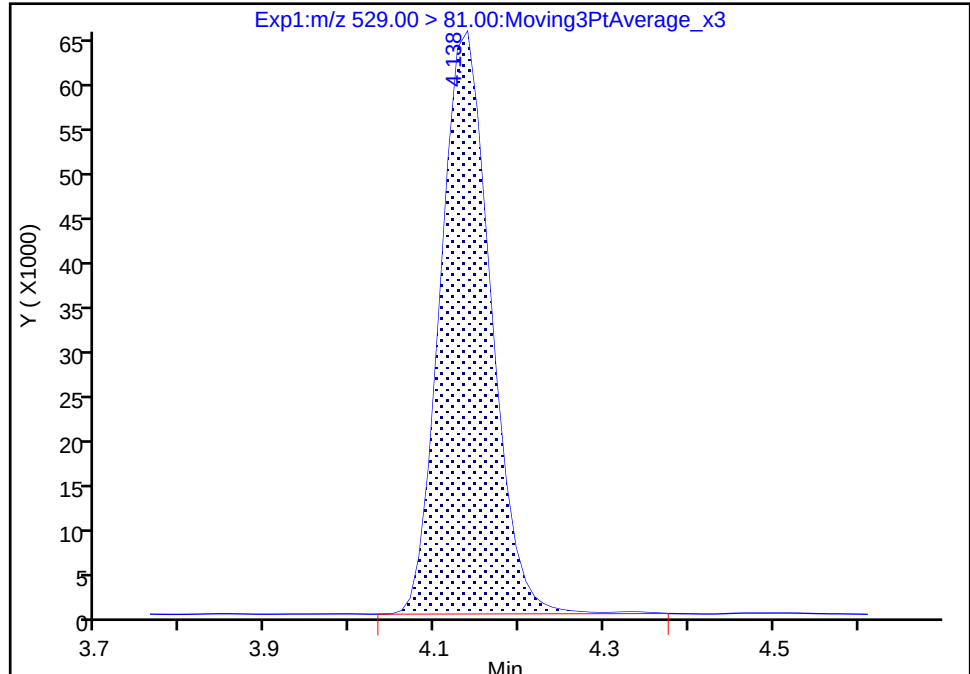
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

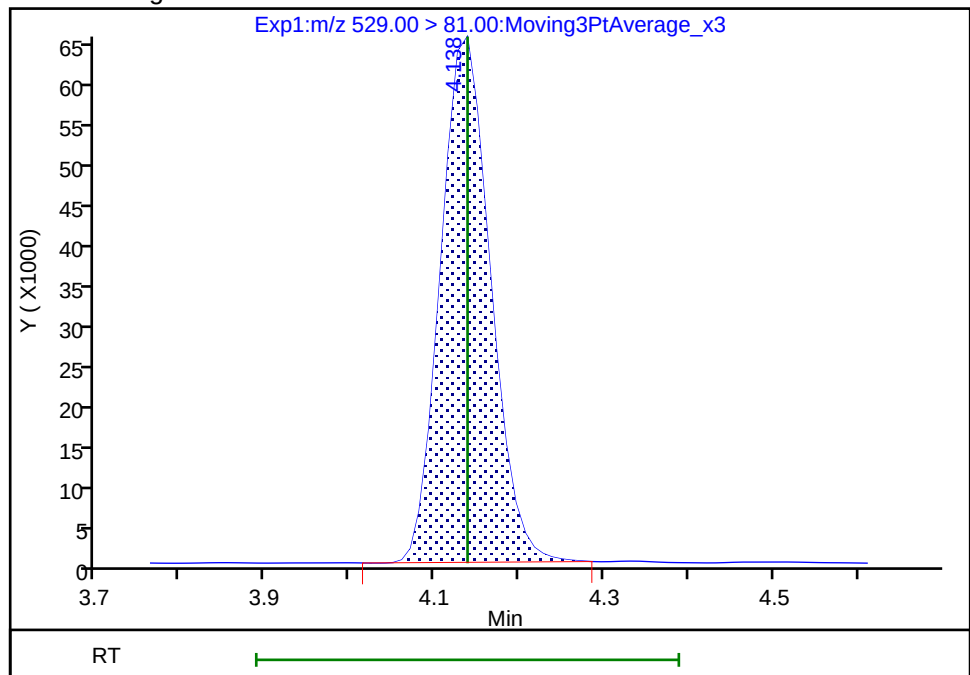
RT: 4.14
Area: 268873
Amount: 0.815233
Amount Units: ng/ml

Processing Integration Results



RT: 4.14
Area: 267004
Amount: 0.809566
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:39:57
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

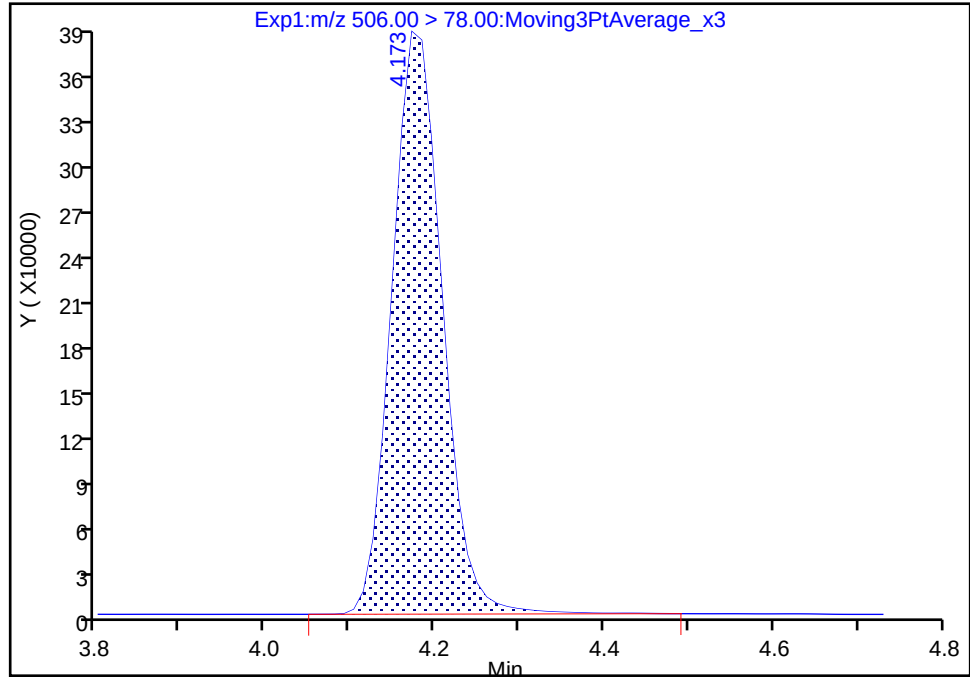
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

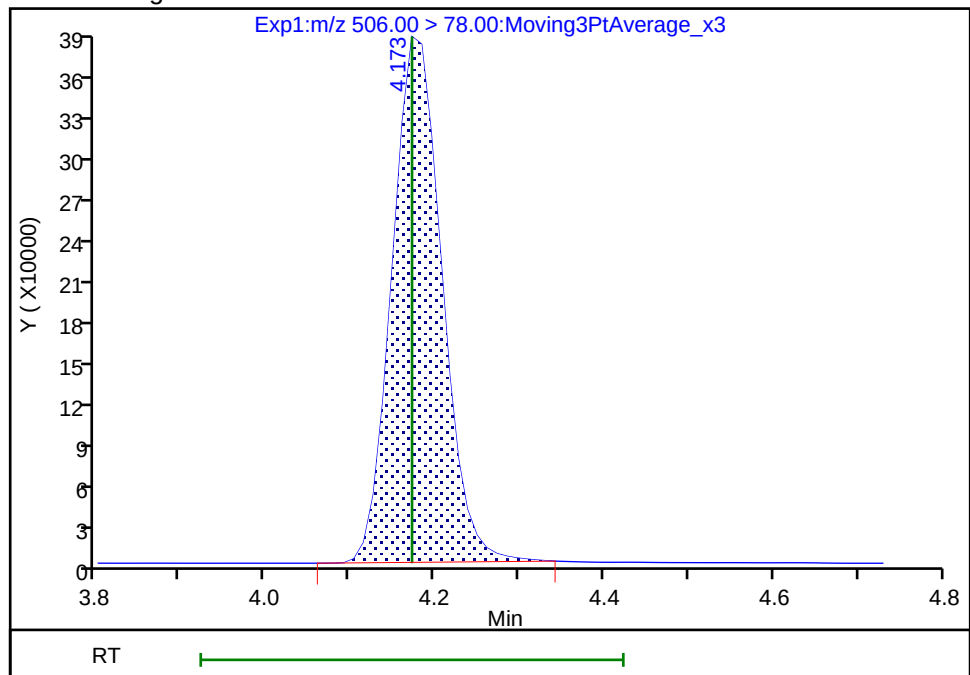
RT: 4.17
Area: 1577327
Amount: 0.835248
Amount Units: ng/ml

Processing Integration Results



RT: 4.17
Area: 1563396
Amount: 0.827871
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:40:01
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

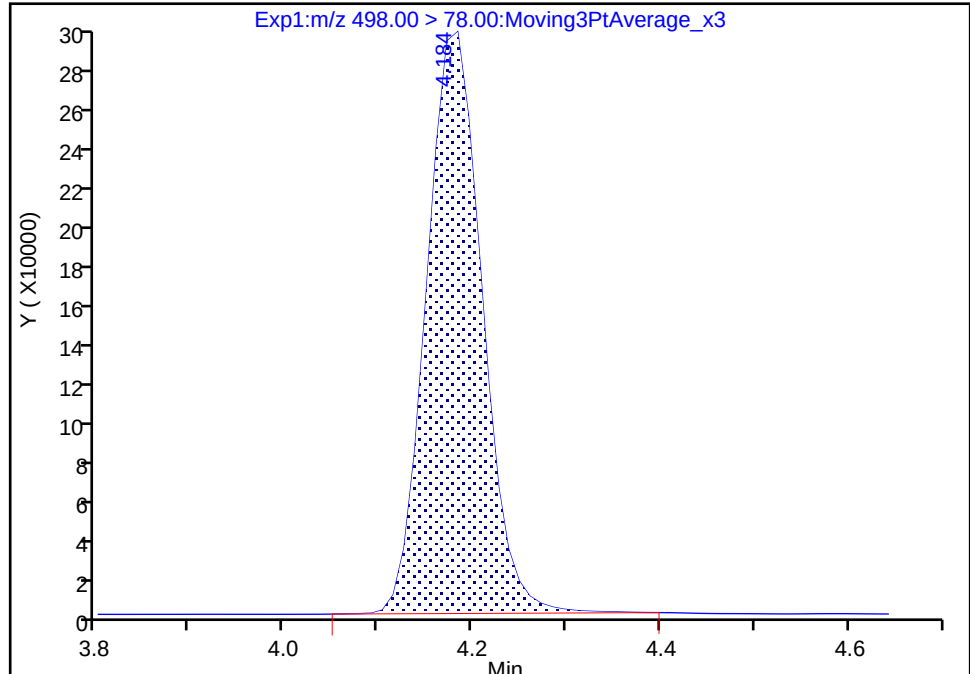
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

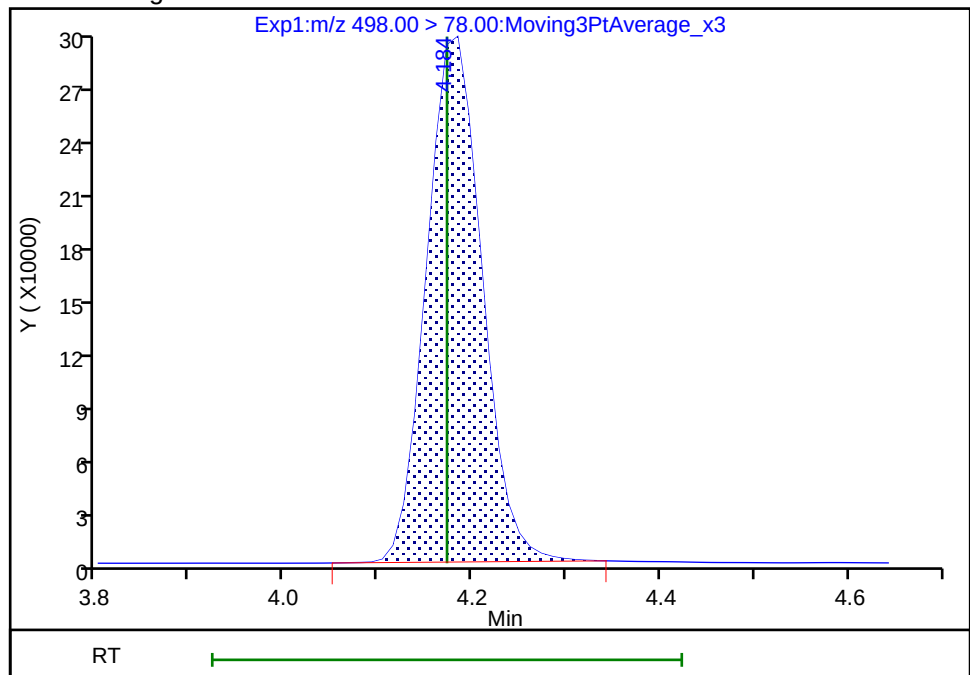
RT: 4.18
Area: 1214888
Amount: 0.953234
Amount Units: ng/ml

Processing Integration Results



RT: 4.18
Area: 1209120
Amount: 0.948708
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:40:06
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

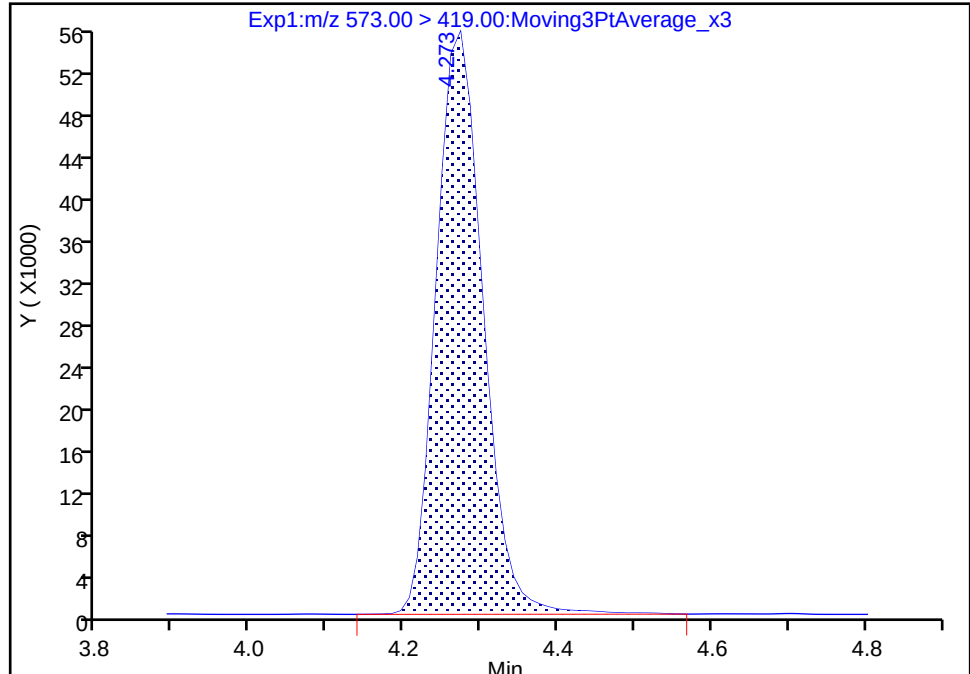
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

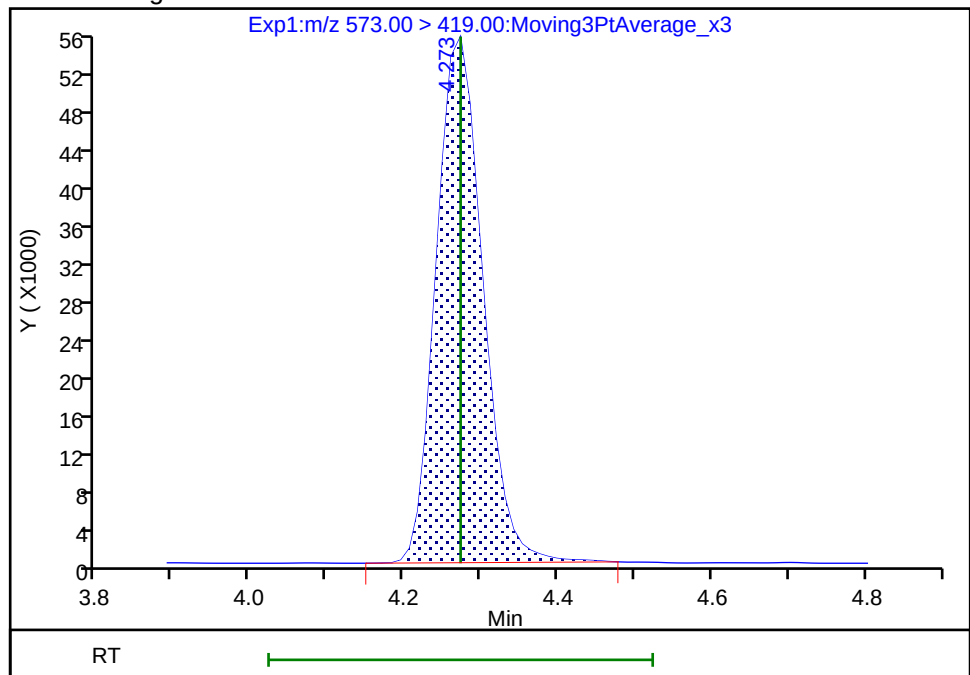
RT: 4.27
Area: 234684
Amount: 0.811502
Amount Units: ng/ml

Processing Integration Results



RT: 4.27
Area: 233049
Amount: 0.805849
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:40:16
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

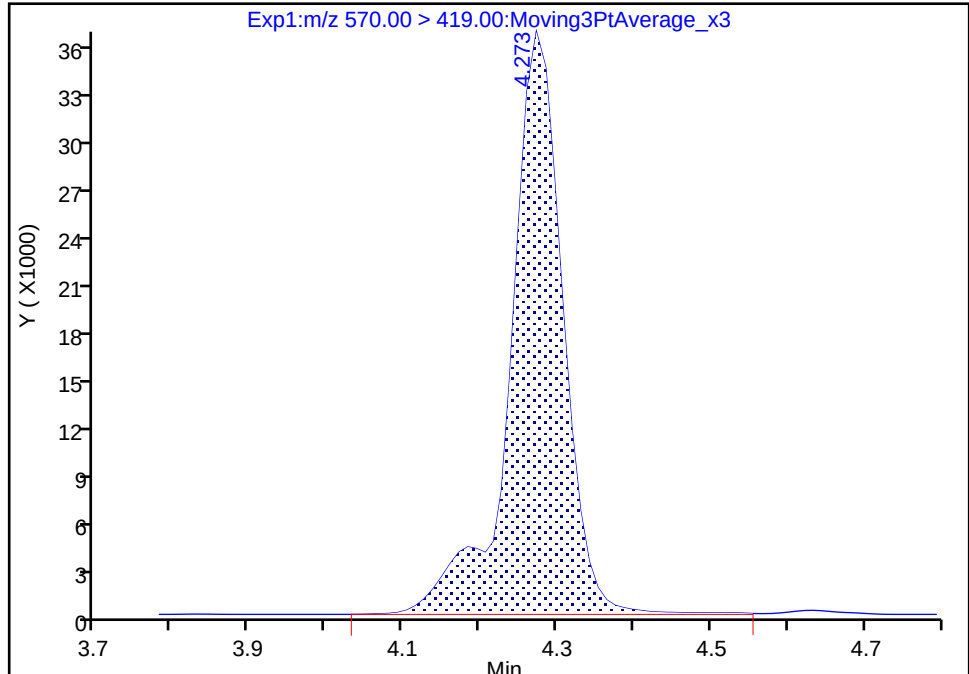
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

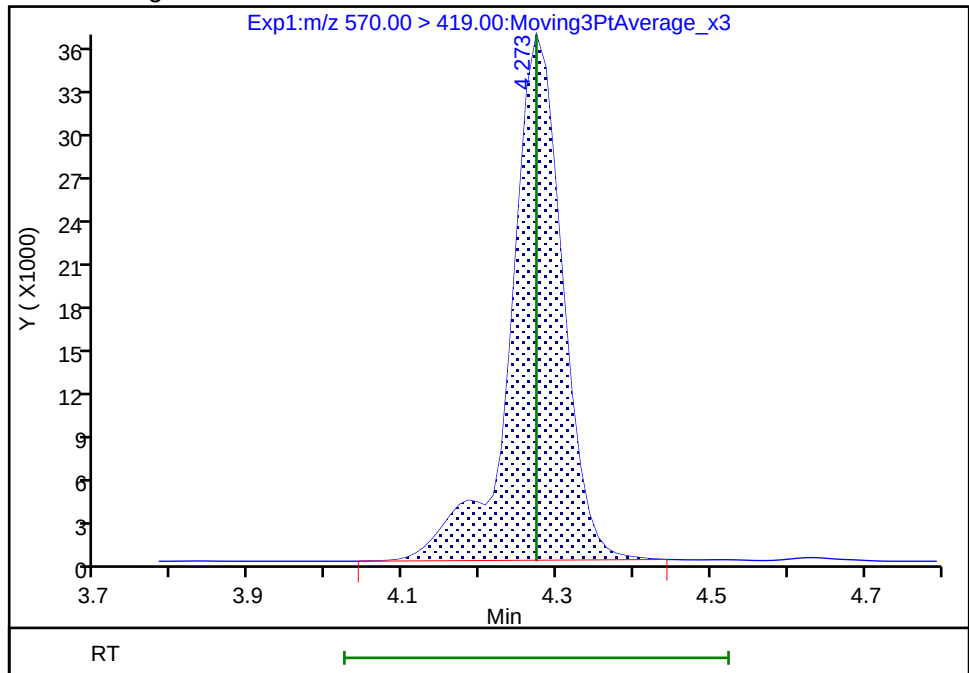
RT: 4.27
Area: 176320
Amount: 1.057452
Amount Units: ng/ml

Processing Integration Results



RT: 4.27
Area: 174136
Amount: 1.051681
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:40:12
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

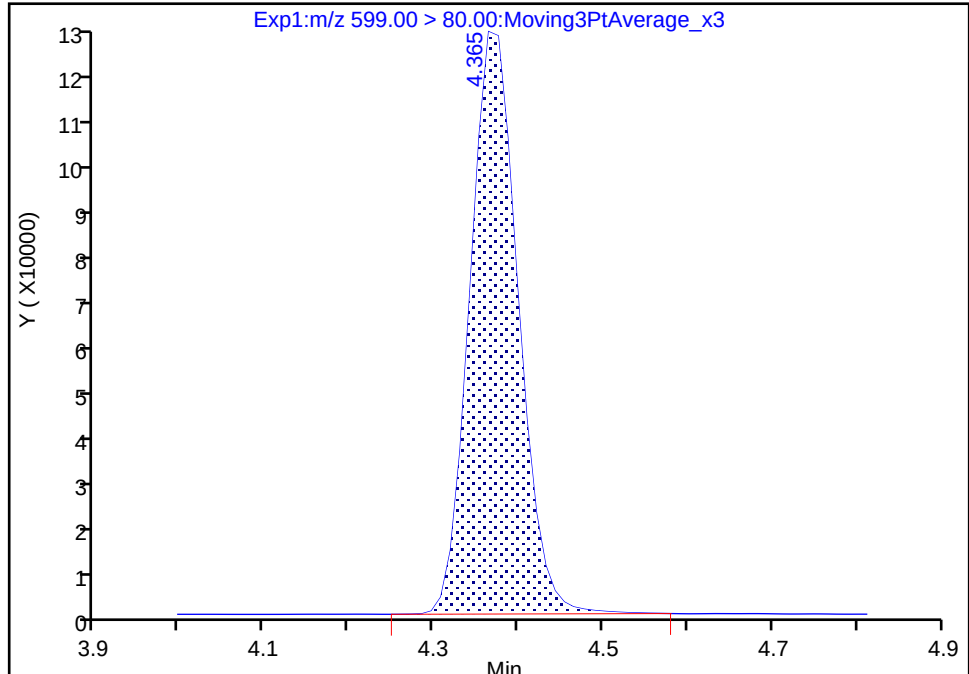
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

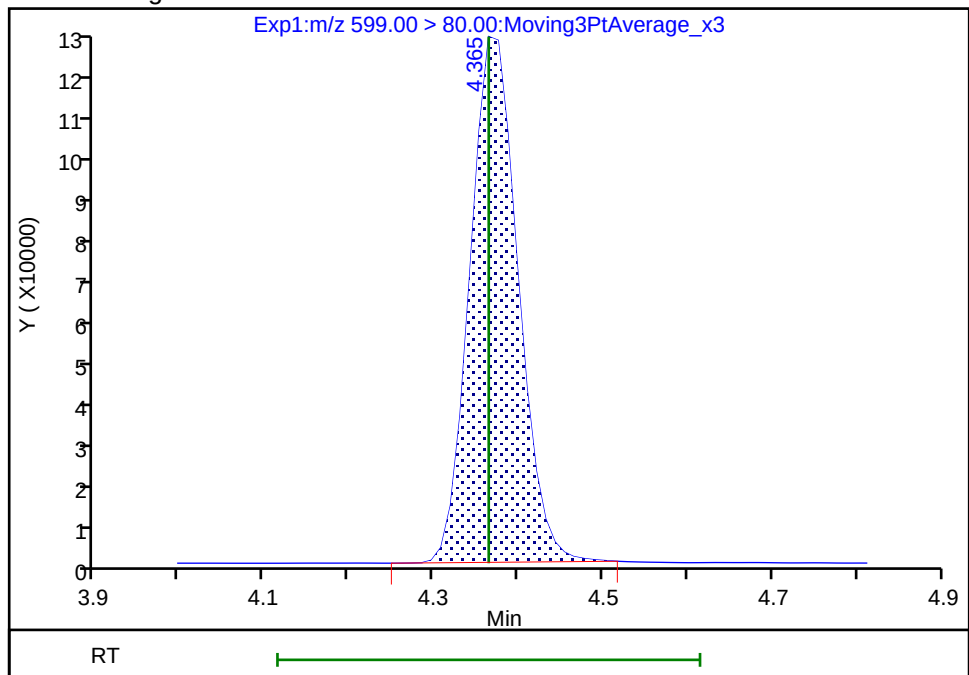
RT: 4.36
Area: 509645
Amount: 1.140322
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 506441
Amount: 1.133153
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:40:21
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

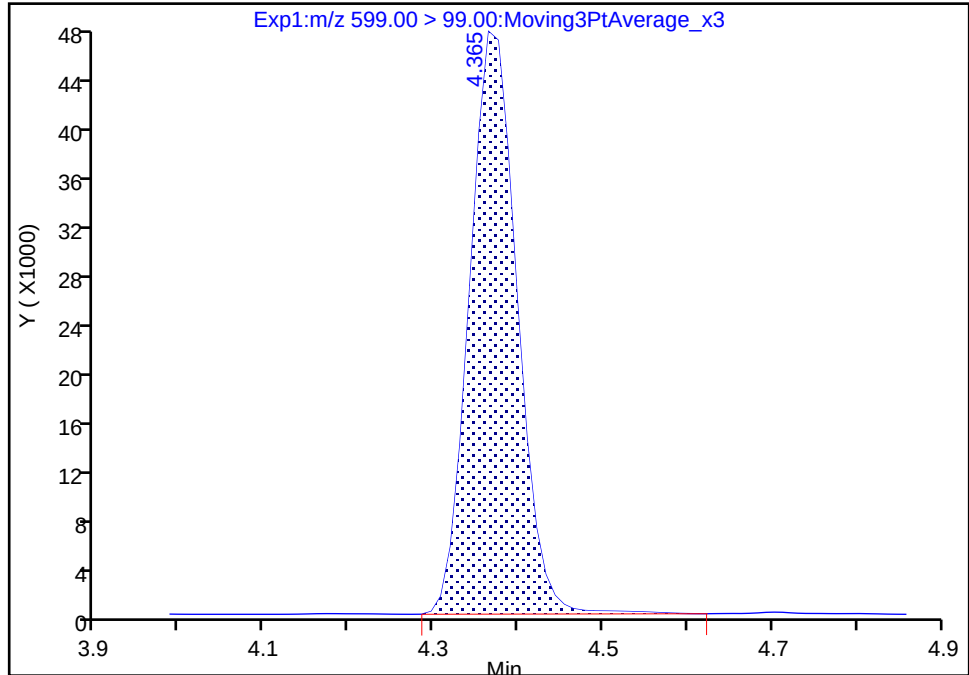
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

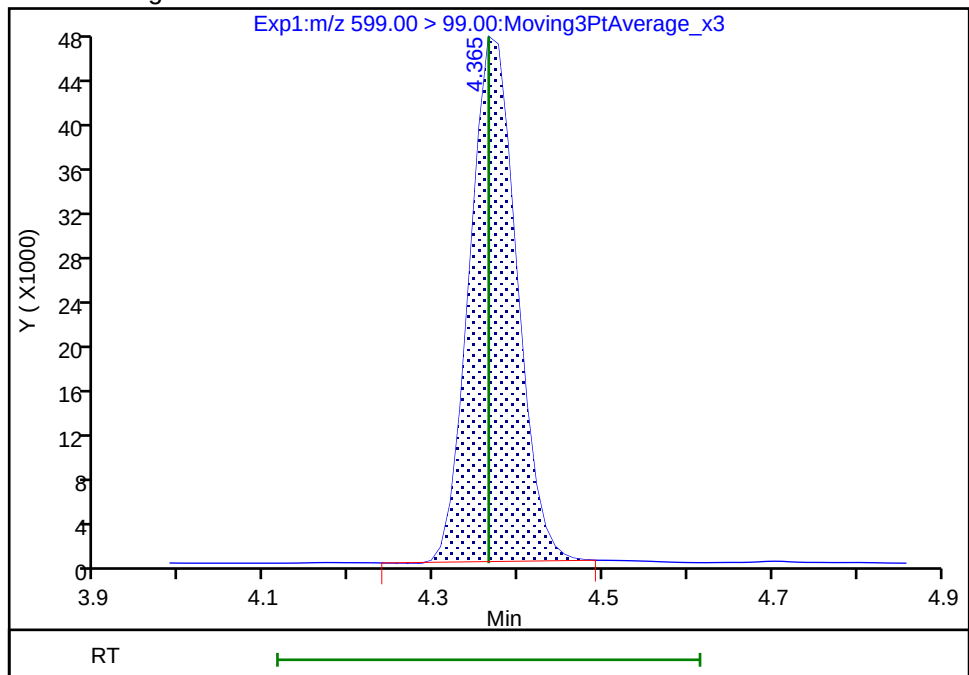
RT: 4.36
Area: 186932
Amount: 1.140322
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 184002
Amount: 1.133153
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:40:24

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

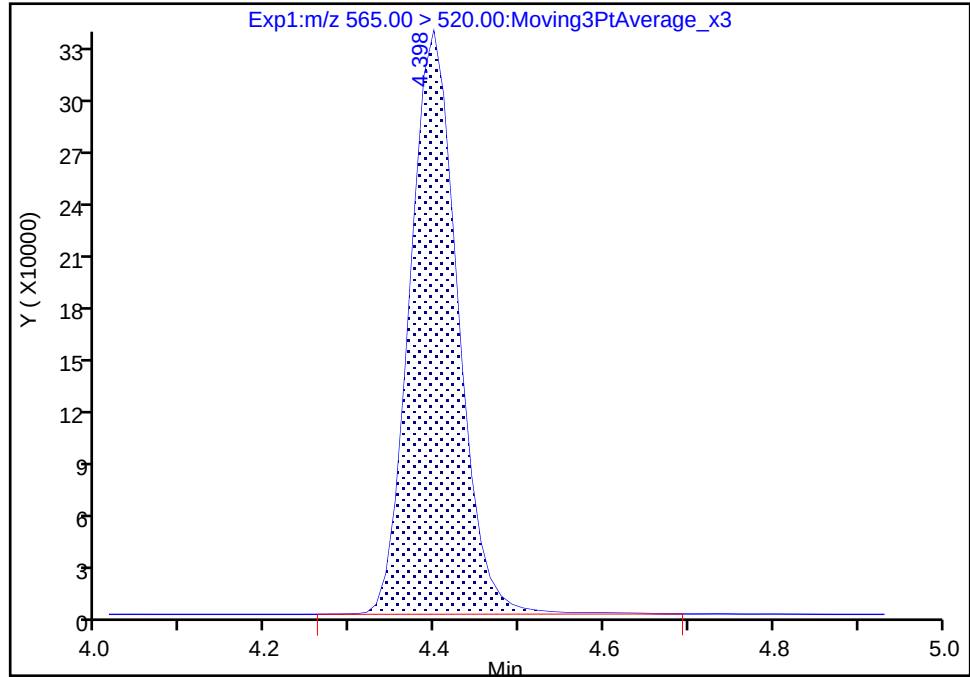
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

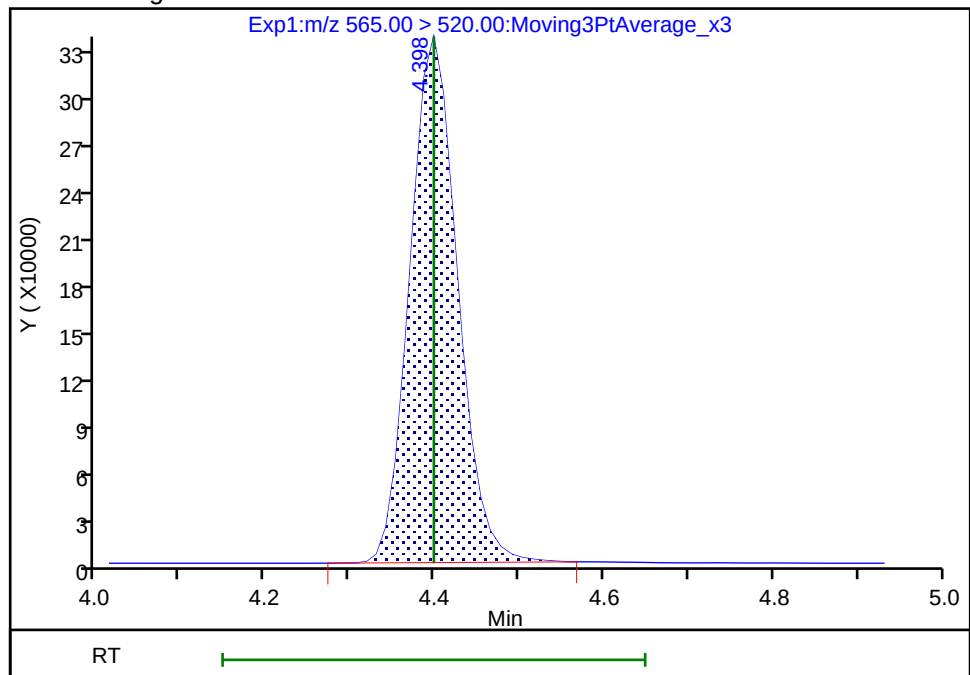
RT: 4.40
Area: 1324935
Amount: 0.810445
Amount Units: ng/ml

Processing Integration Results



RT: 4.40
Area: 1315326
Amount: 0.804568
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:40:41
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

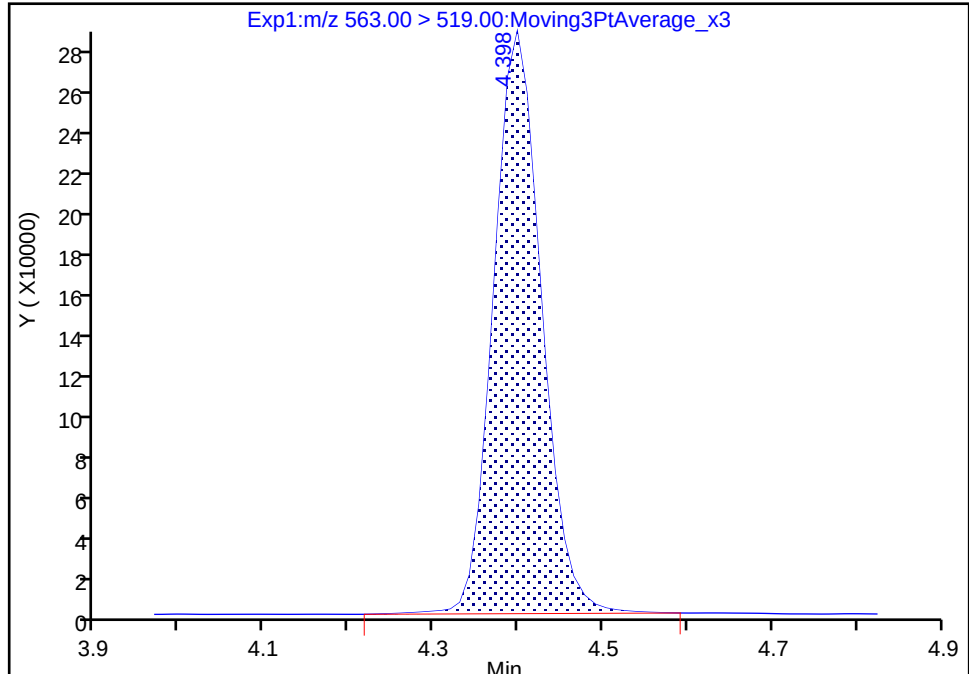
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

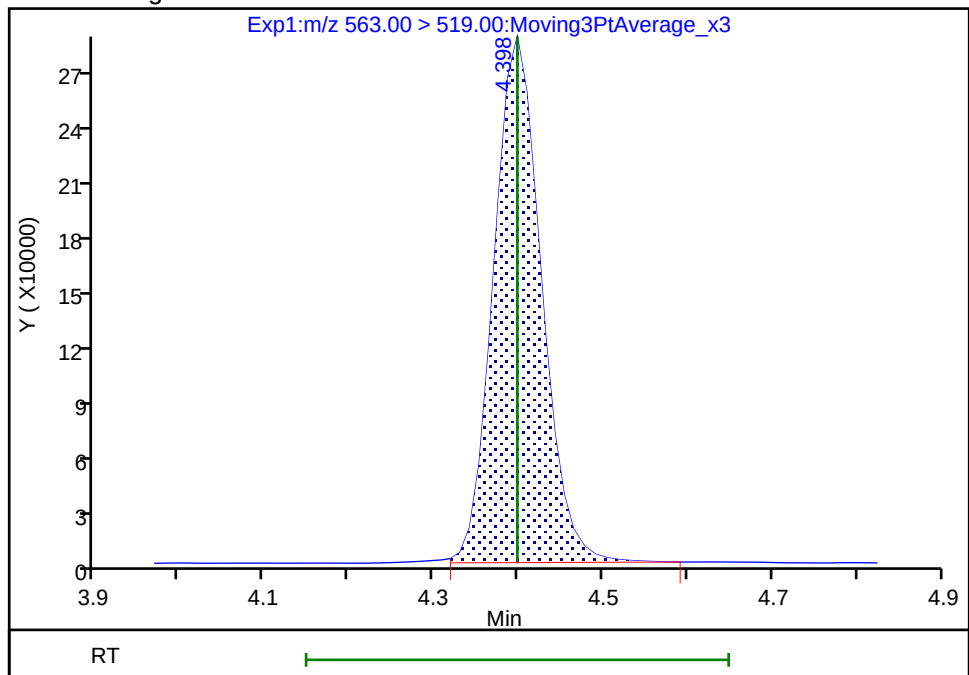
RT: 4.40
Area: 1129531
Amount: 1.005861
Amount Units: ng/ml

Processing Integration Results



RT: 4.40
Area: 1125072
Amount: 1.009210
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:40:32
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

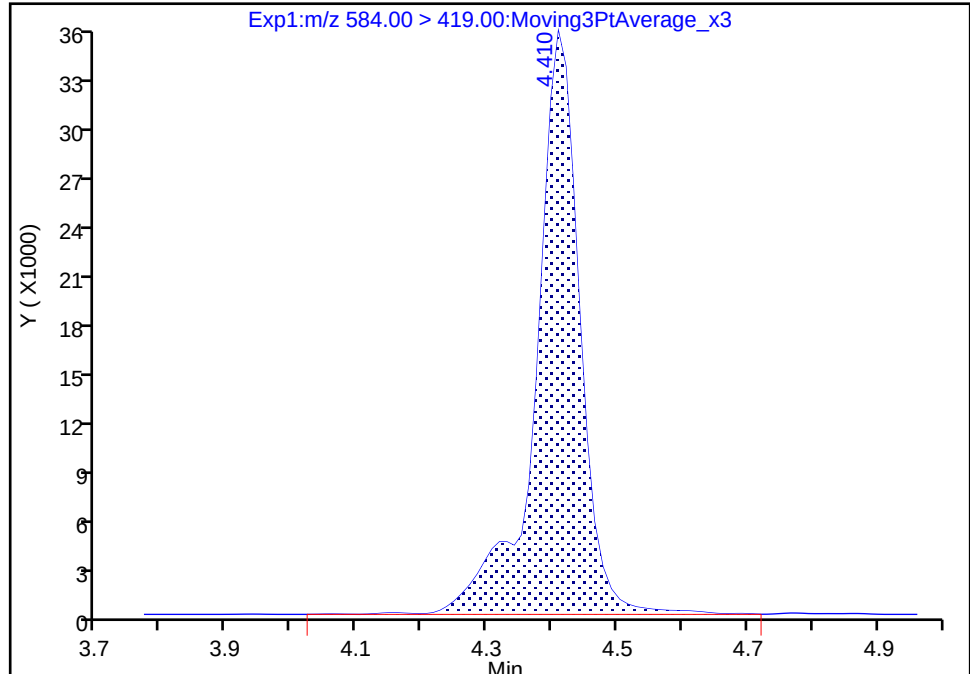
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

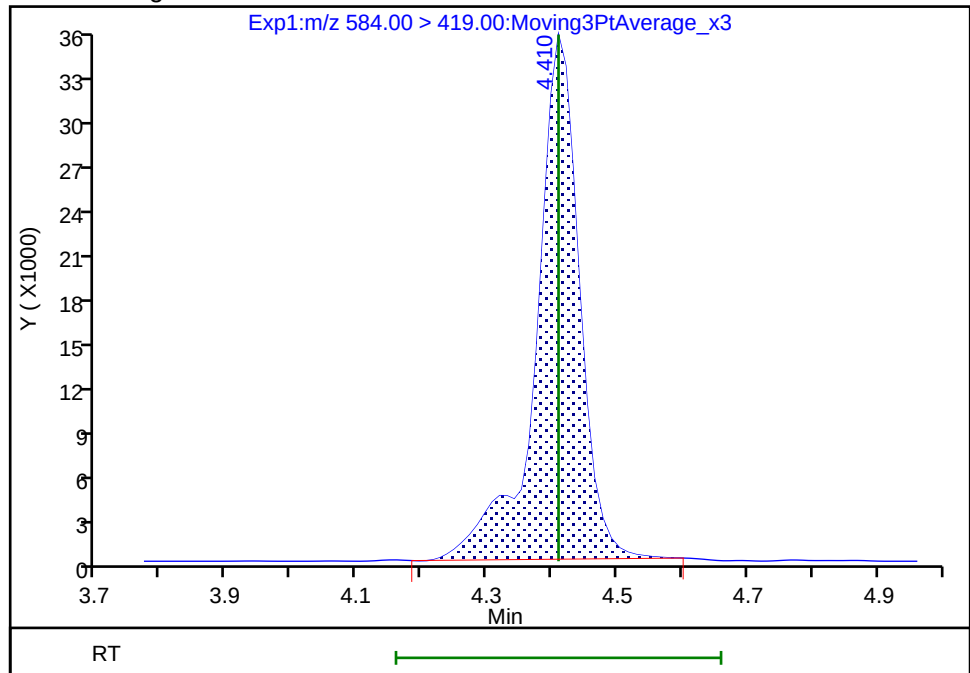
RT: 4.41
Area: 166984
Amount: 1.094346
Amount Units: ng/ml

Processing Integration Results



RT: 4.41
Area: 162832
Amount: 1.067135
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:40:46
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

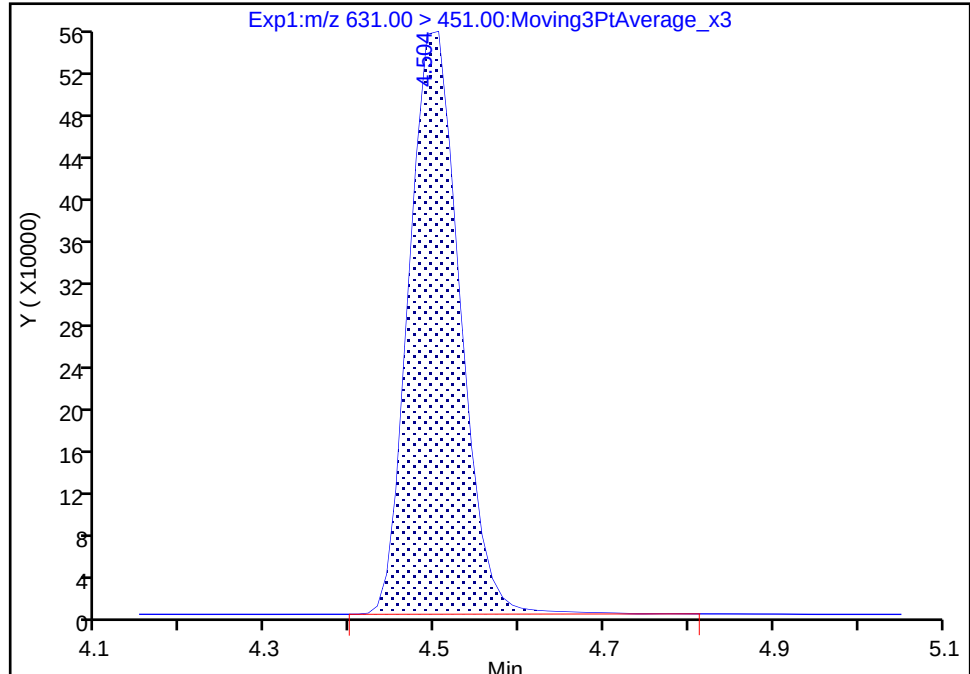
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

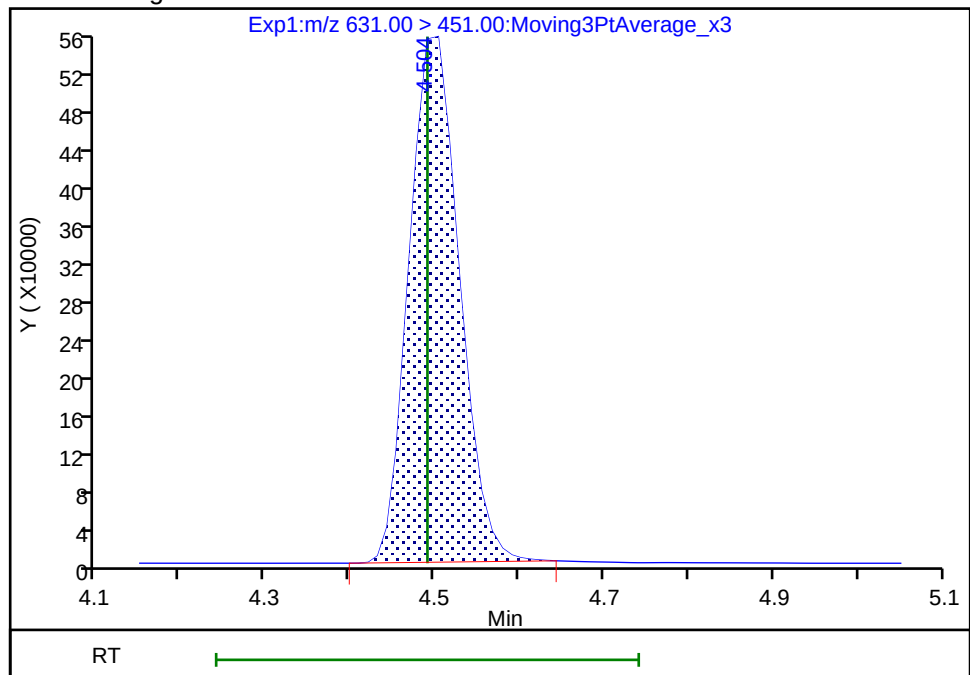
RT: 4.50
Area: 2314632
Amount: 1.305764
Amount Units: ng/ml

Processing Integration Results



RT: 4.50
Area: 2291190
Amount: 1.299145
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:23:50
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

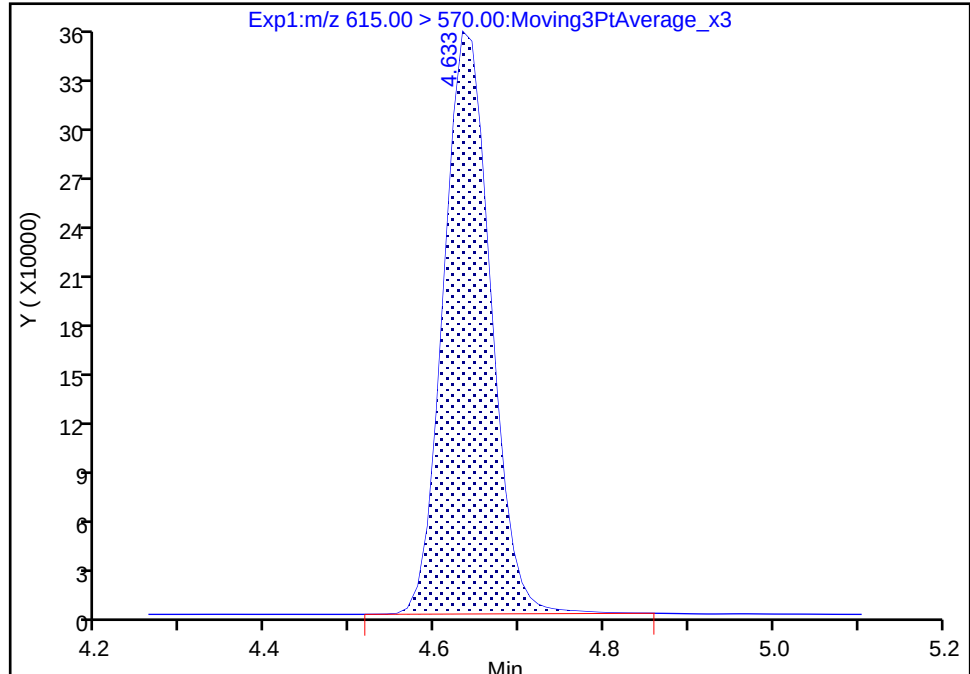
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 36 13C2 PFD_oA, CAS: STL00998

Signal: 1

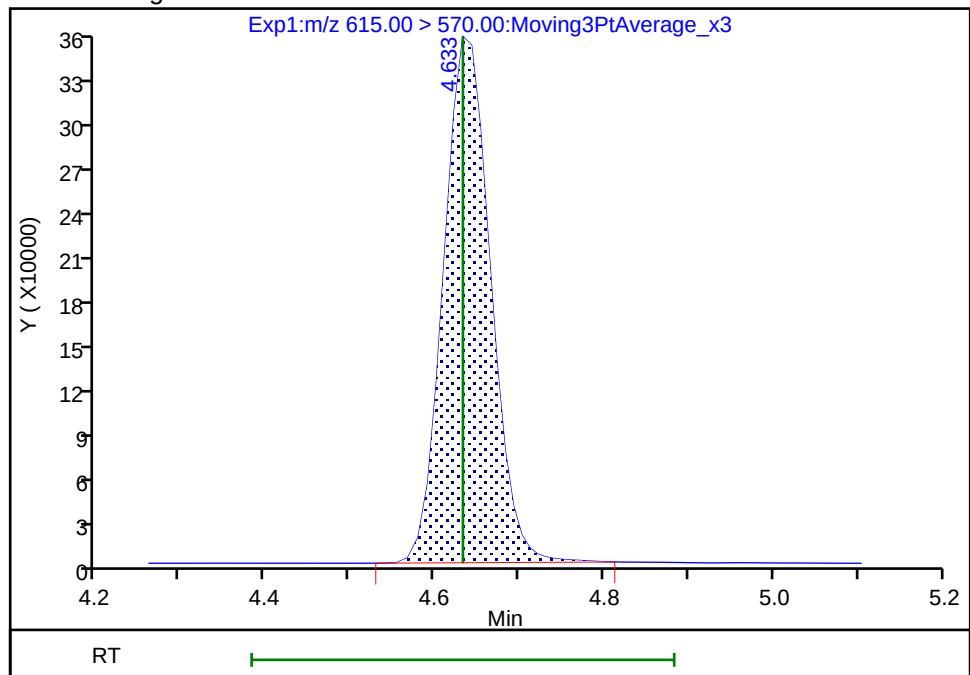
RT: 4.63
Area: 1383093
Amount: 0.816431
Amount Units: ng/ml

Processing Integration Results



RT: 4.63
Area: 1380113
Amount: 0.814672
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:40:53
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

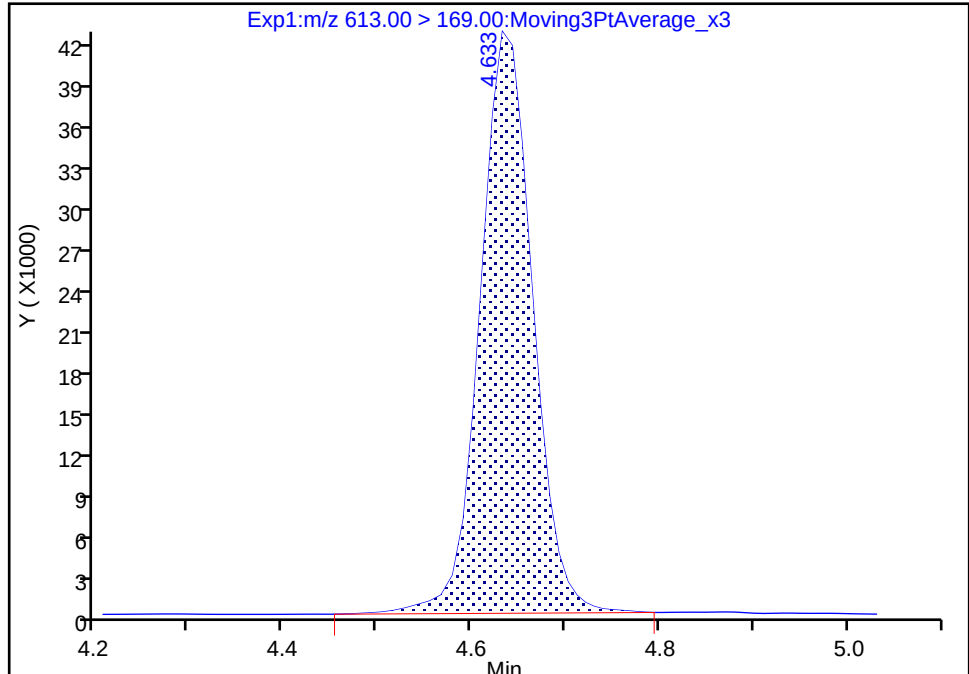
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

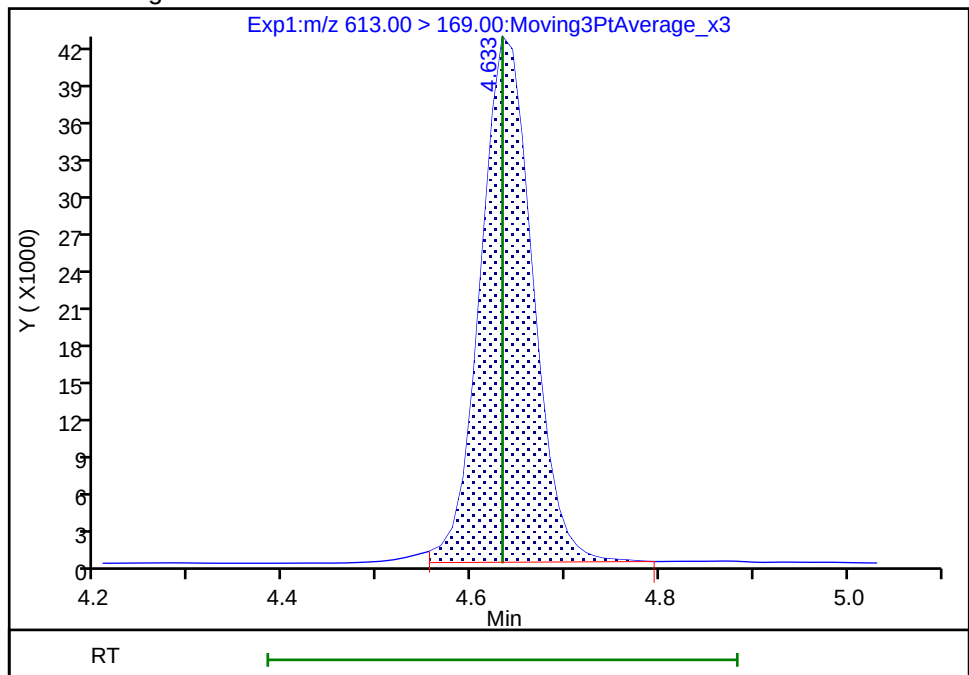
RT: 4.63
Area: 164134
Amount: 0.990238
Amount Units: ng/ml

Processing Integration Results



RT: 4.63
Area: 162557
Amount: 0.990238
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:40:59
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

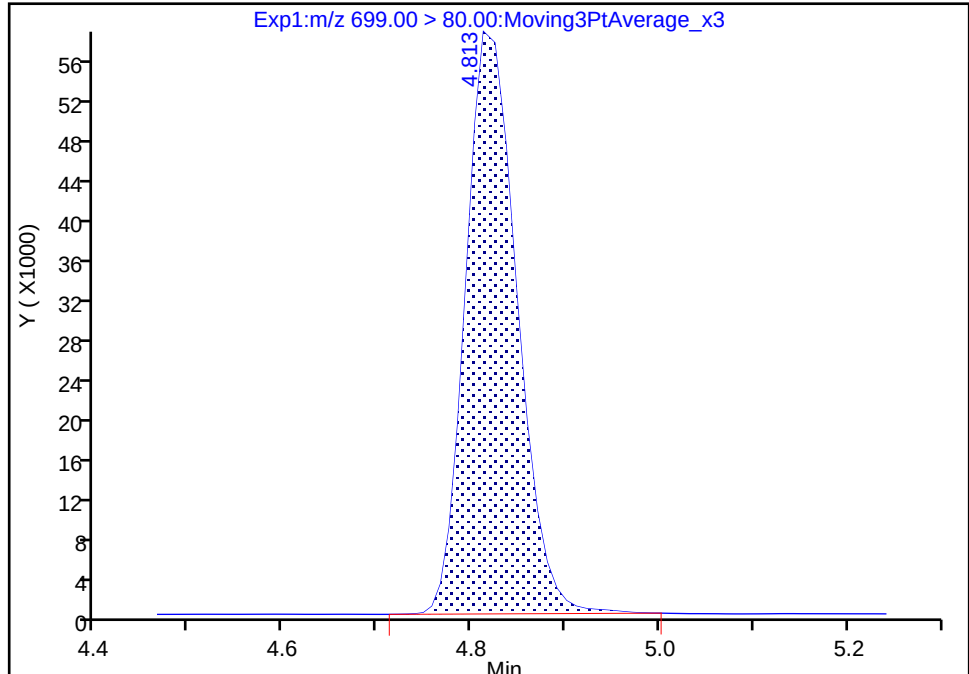
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

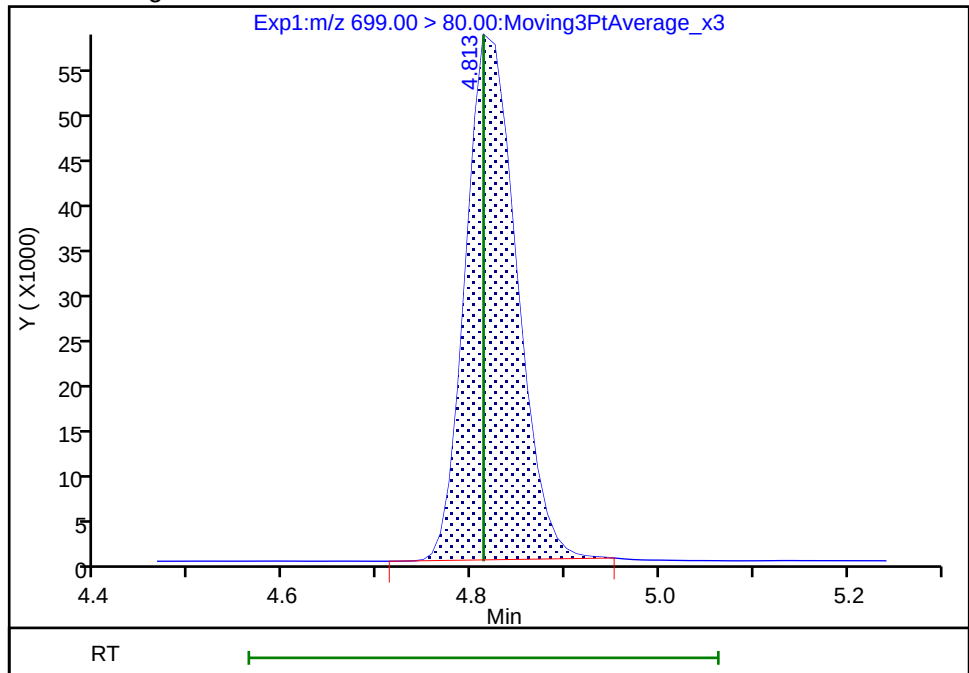
RT: 4.81
Area: 223300
Amount: 1.125293
Amount Units: ng/ml

Processing Integration Results



RT: 4.81
Area: 221186
Amount: 1.114640
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:41:22
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

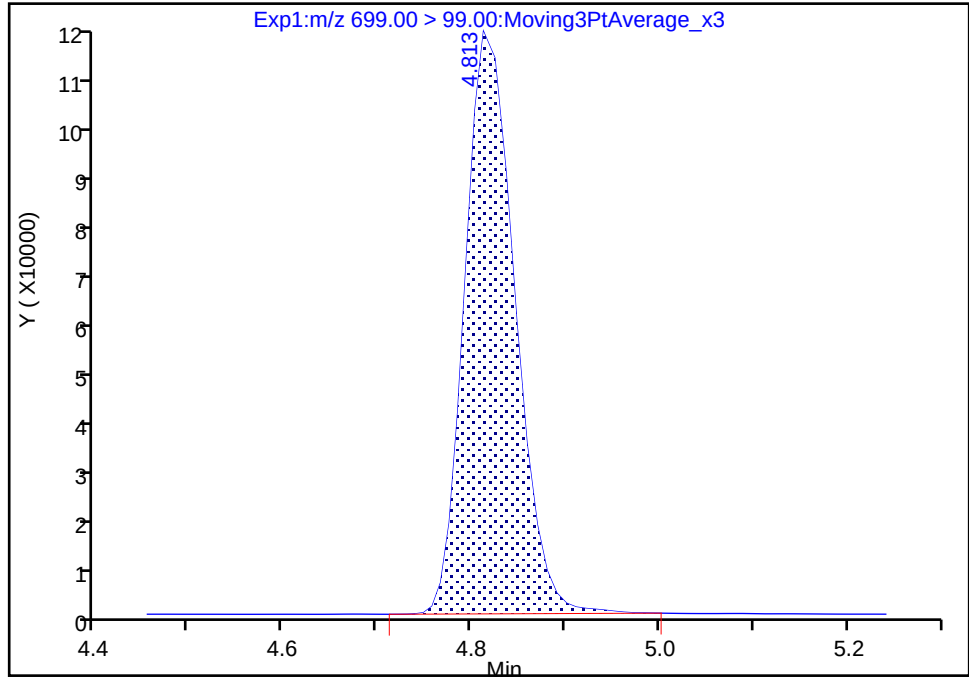
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 2

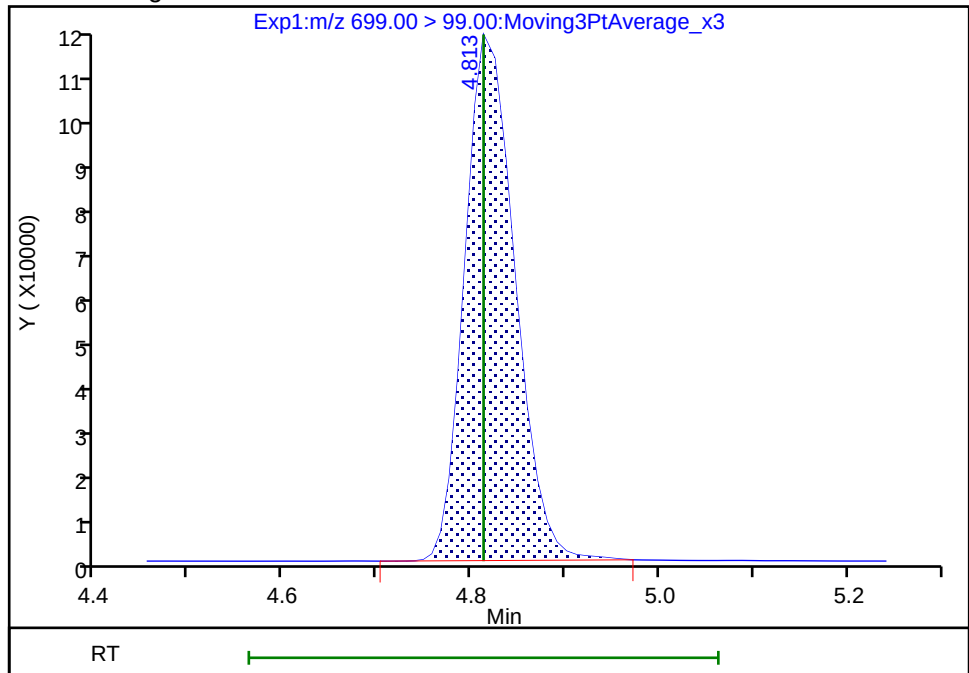
RT: 4.81
Area: 410445
Amount: 1.125293
Amount Units: ng/ml

Processing Integration Results



RT: 4.81
Area: 409515
Amount: 1.114640
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:41:26

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

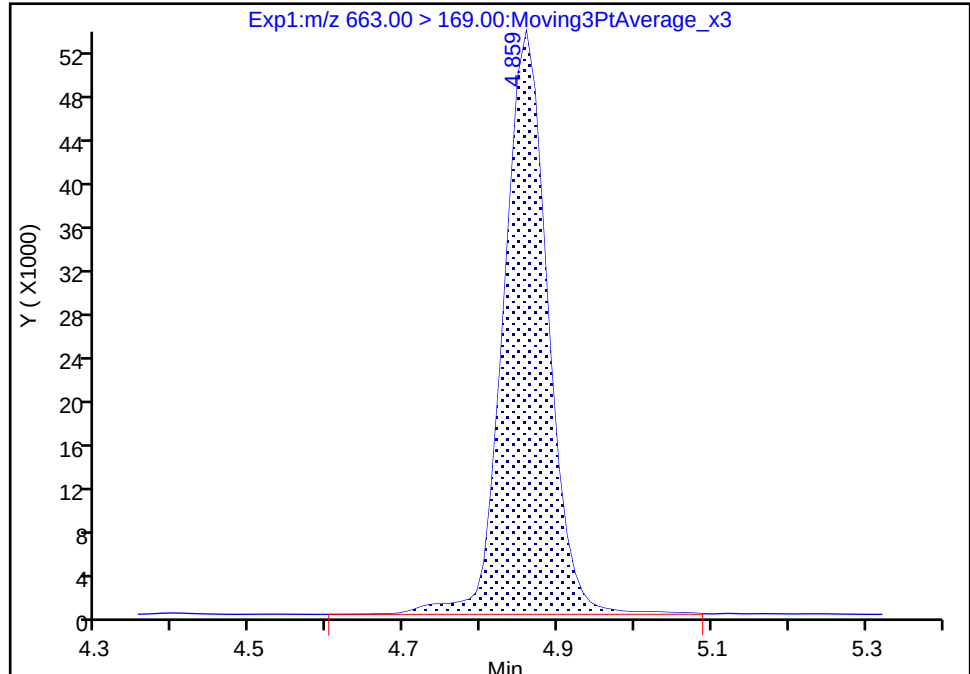
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

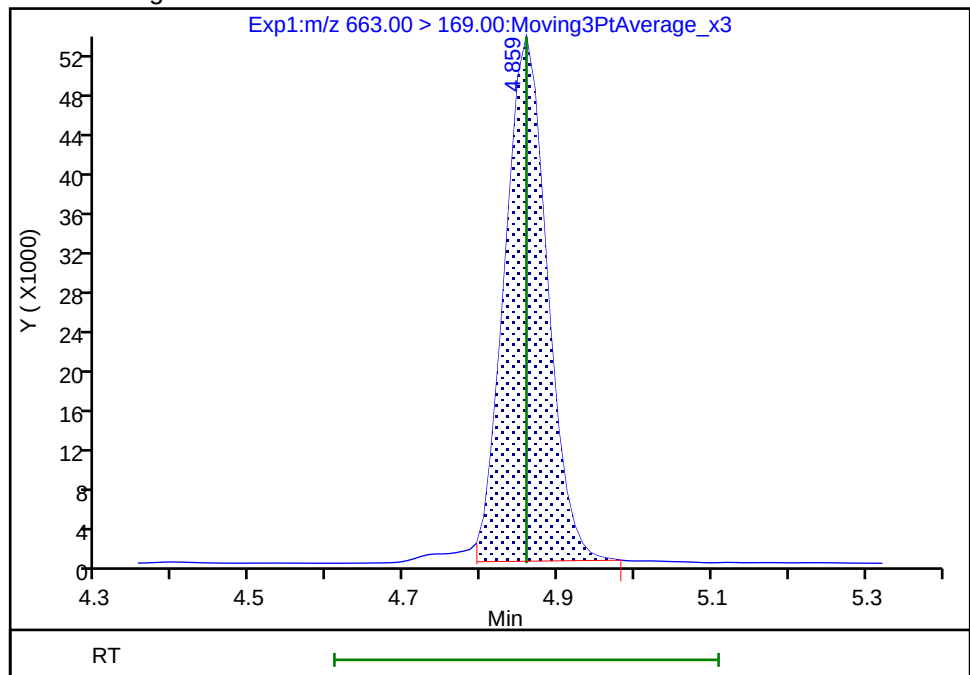
RT: 4.86
Area: 212622
Amount: 0.947628
Amount Units: ng/ml

Processing Integration Results



RT: 4.86
Area: 203457
Amount: 0.931144
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:41:40
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

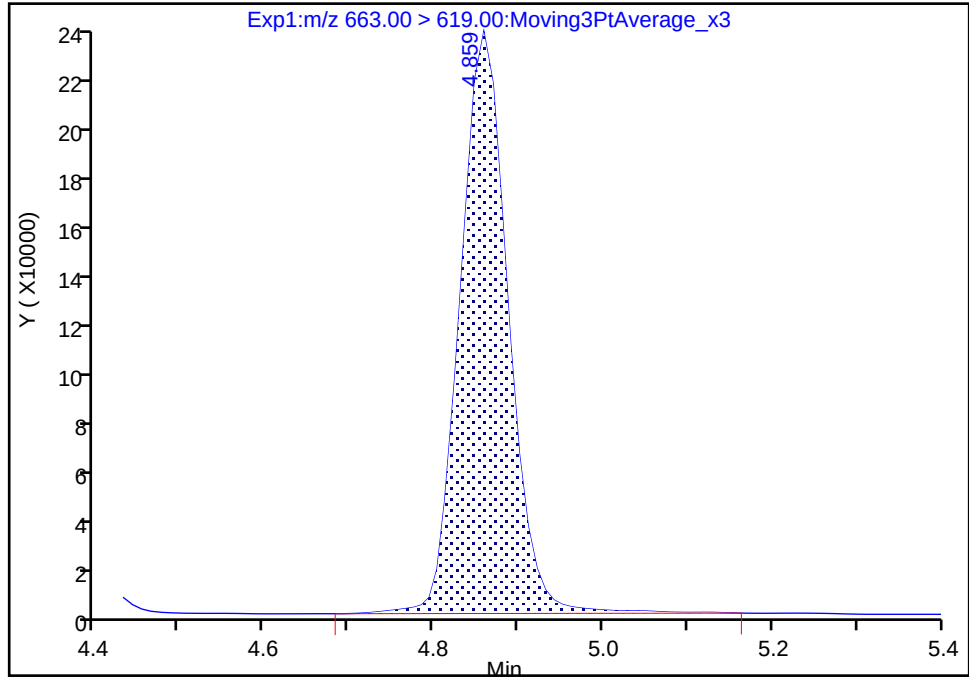
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

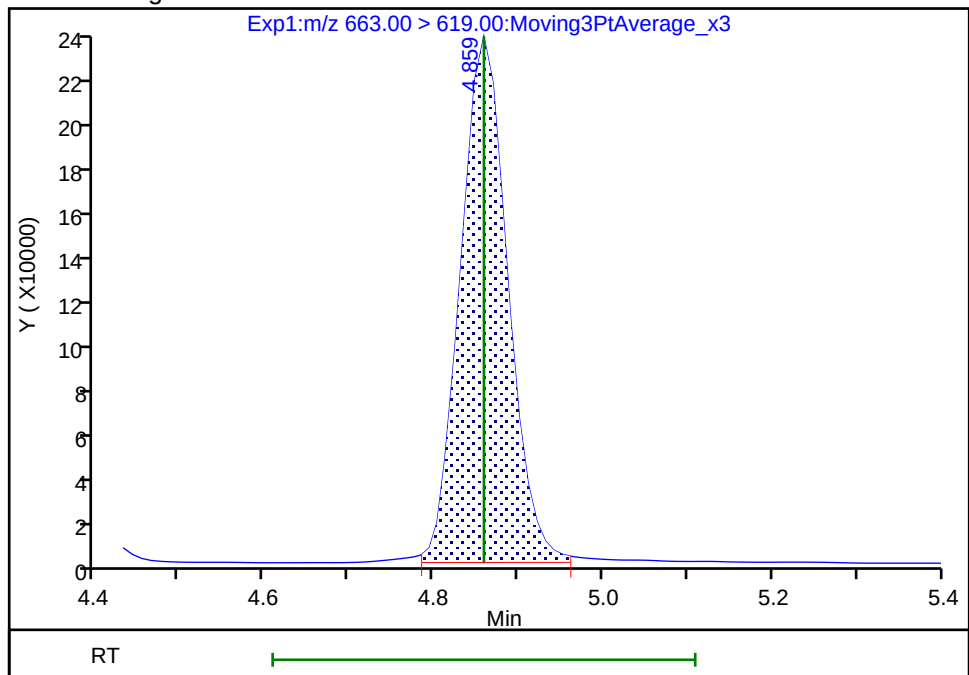
RT: 4.86
Area: 919791
Amount: 0.947628
Amount Units: ng/ml

Processing Integration Results



RT: 4.86
Area: 903791
Amount: 0.931144
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:41:47

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

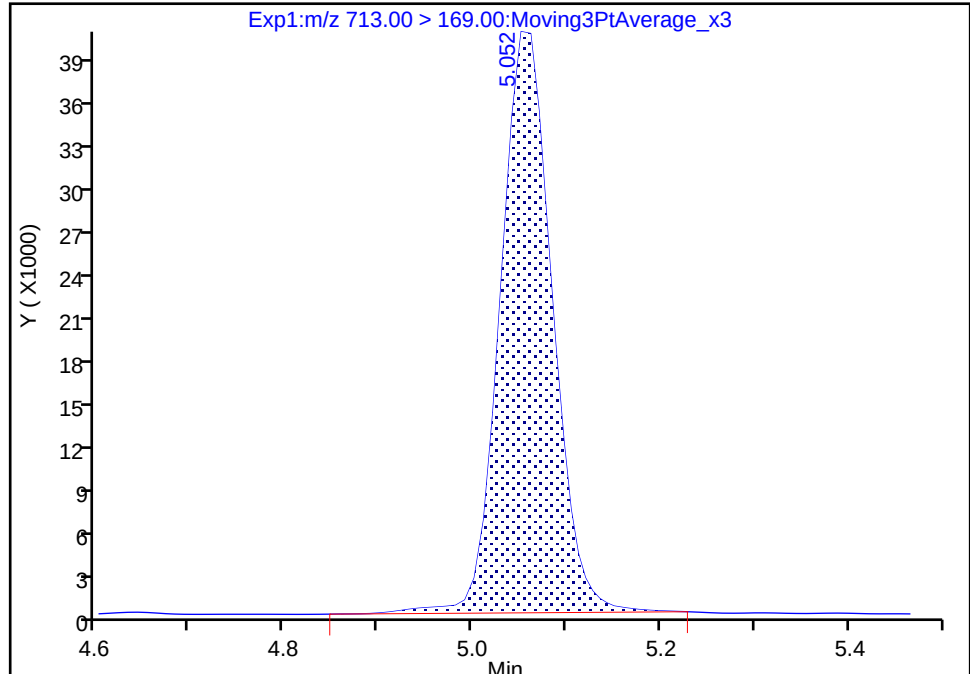
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

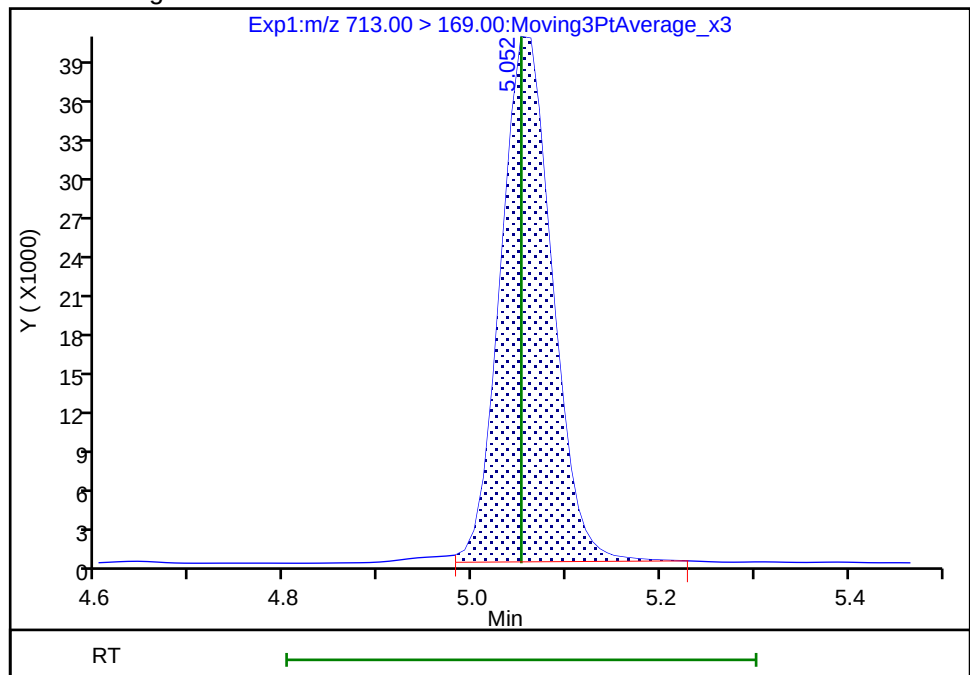
RT: 5.05
Area: 155260
Amount: 1.055073
Amount Units: ng/ml

Processing Integration Results



RT: 5.05
Area: 153673
Amount: 1.044289
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:41:54
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

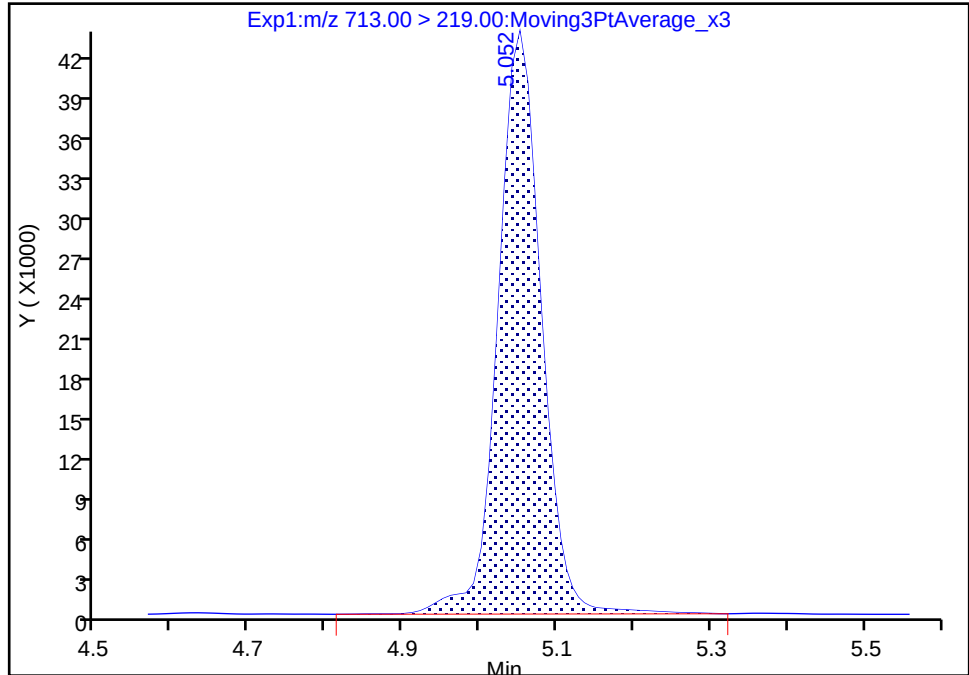
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

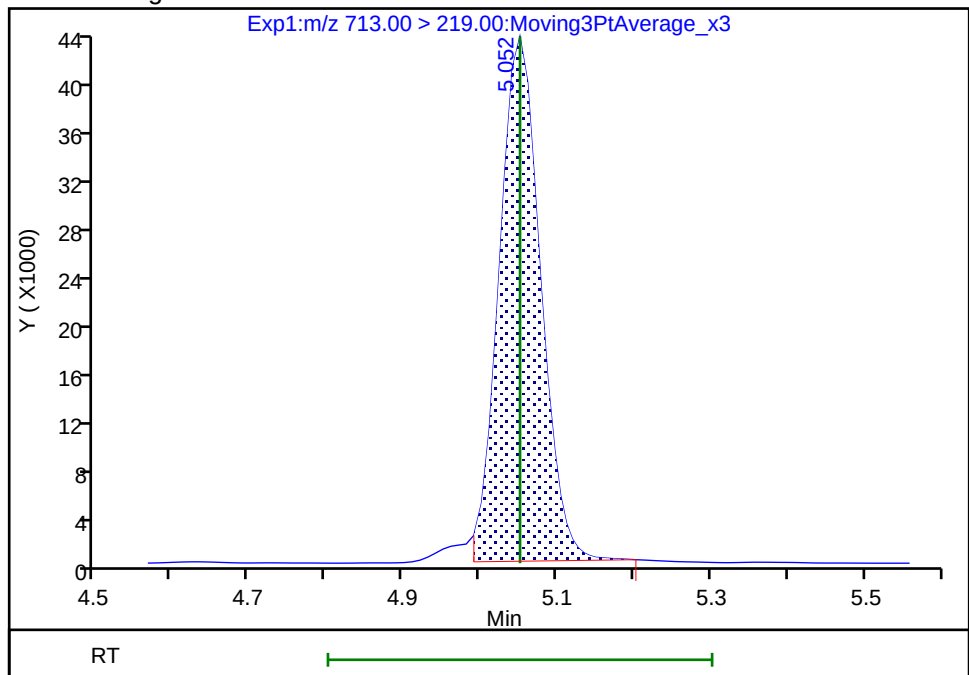
RT: 5.05
Area: 171531
Amount: 1.055073
Amount Units: ng/ml

Processing Integration Results



RT: 5.05
Area: 163334
Amount: 1.044289
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:42:01

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

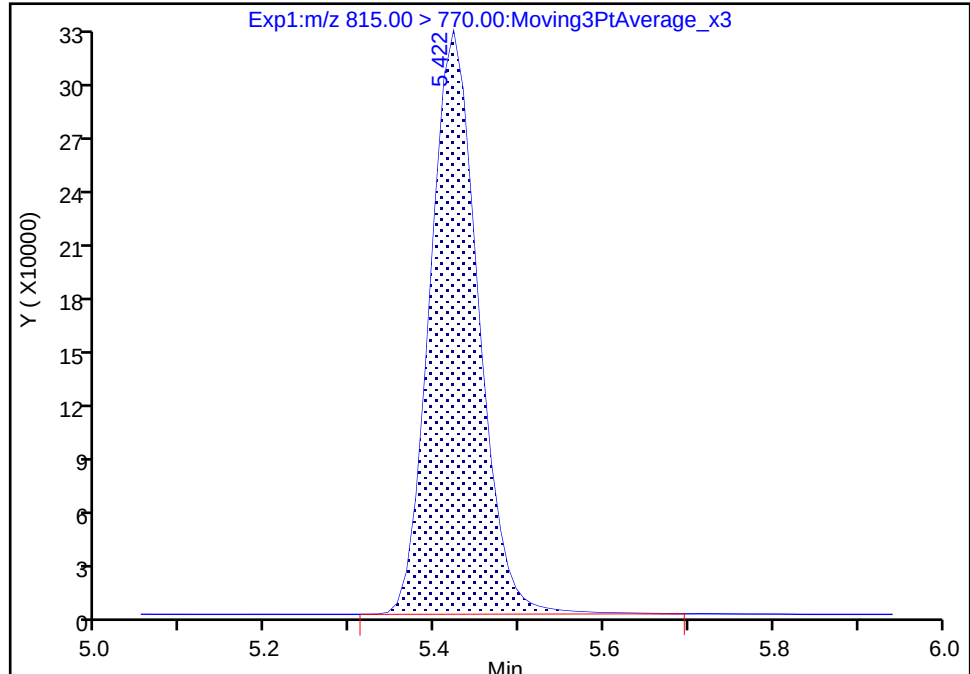
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 44 13C2 PFHxDA, CAS: STL02115

Signal: 1

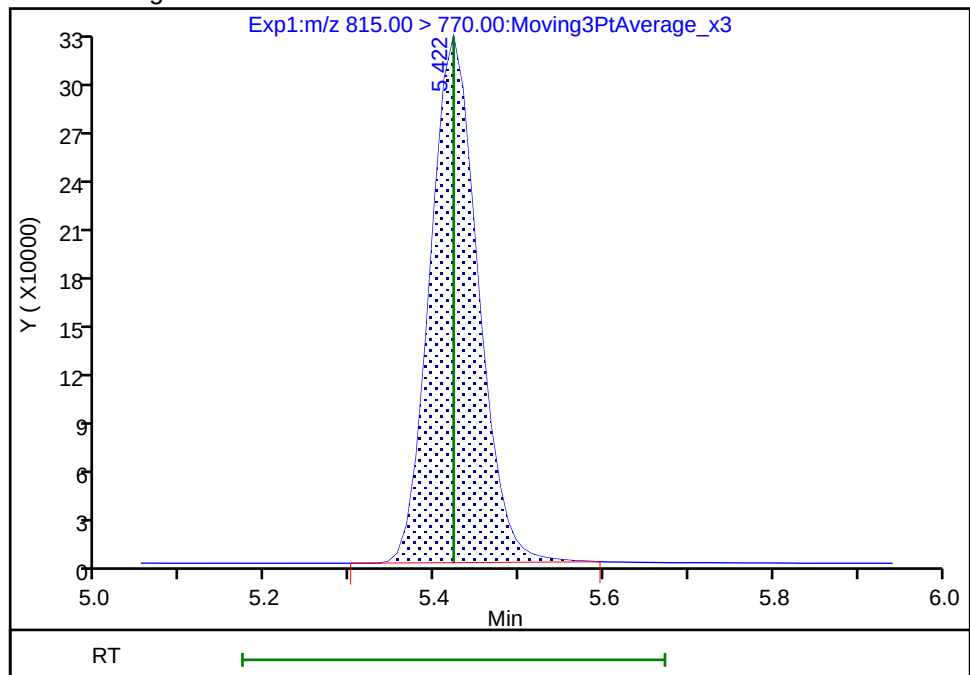
RT: 5.42
Area: 1297334
Amount: 0.822386
Amount Units: ng/ml

Processing Integration Results



RT: 5.42
Area: 1289531
Amount: 0.817440
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:42:07

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

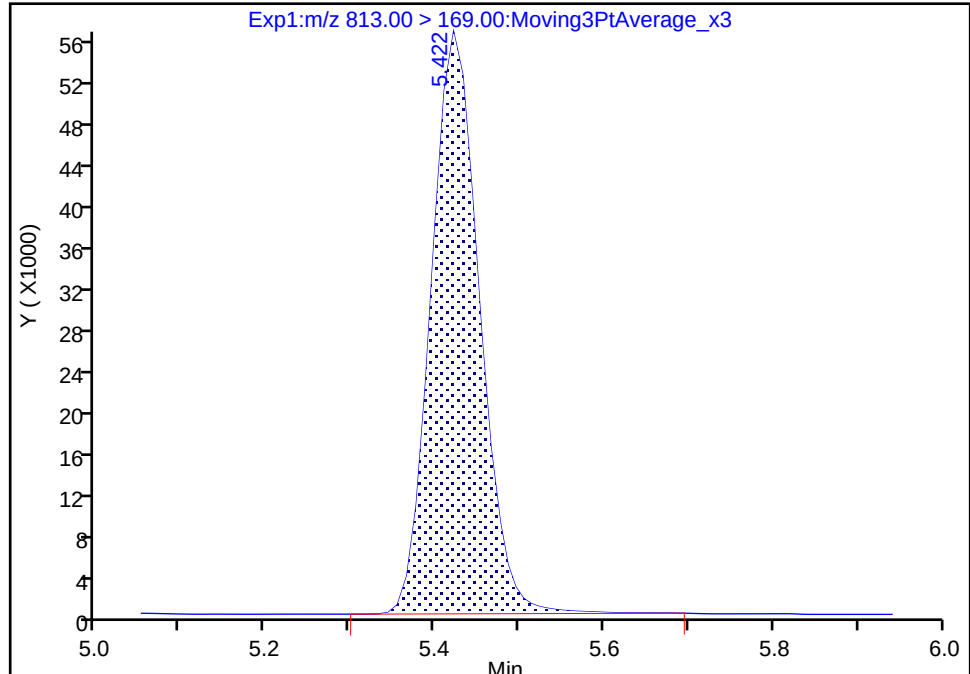
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 2

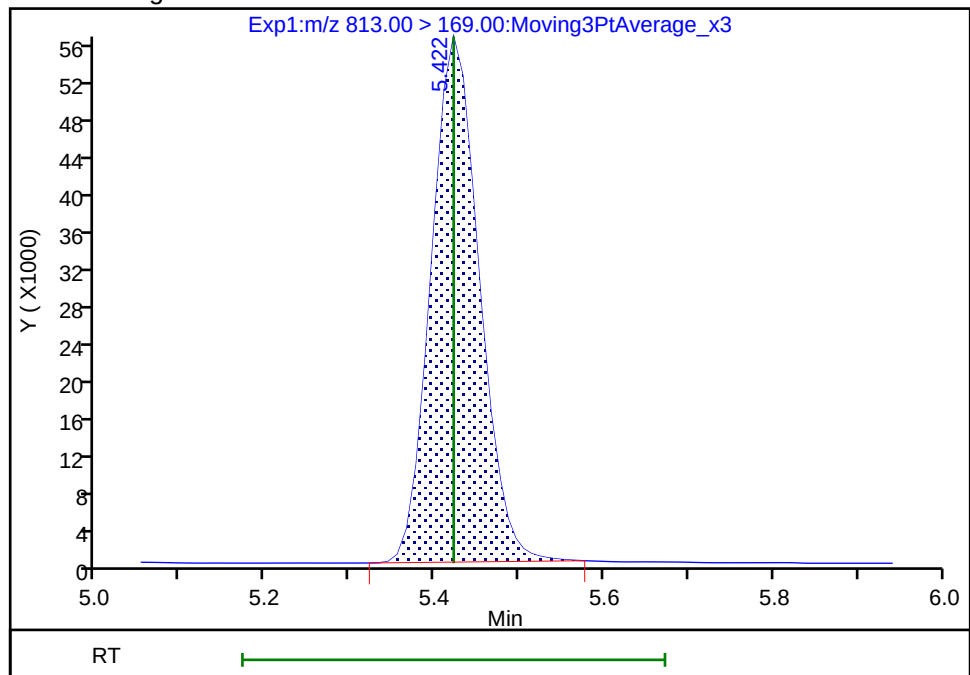
RT: 5.42
Area: 222984
Amount: 1.031346
Amount Units: ng/ml

Processing Integration Results



RT: 5.42
Area: 221132
Amount: 1.031346
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:42:12
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

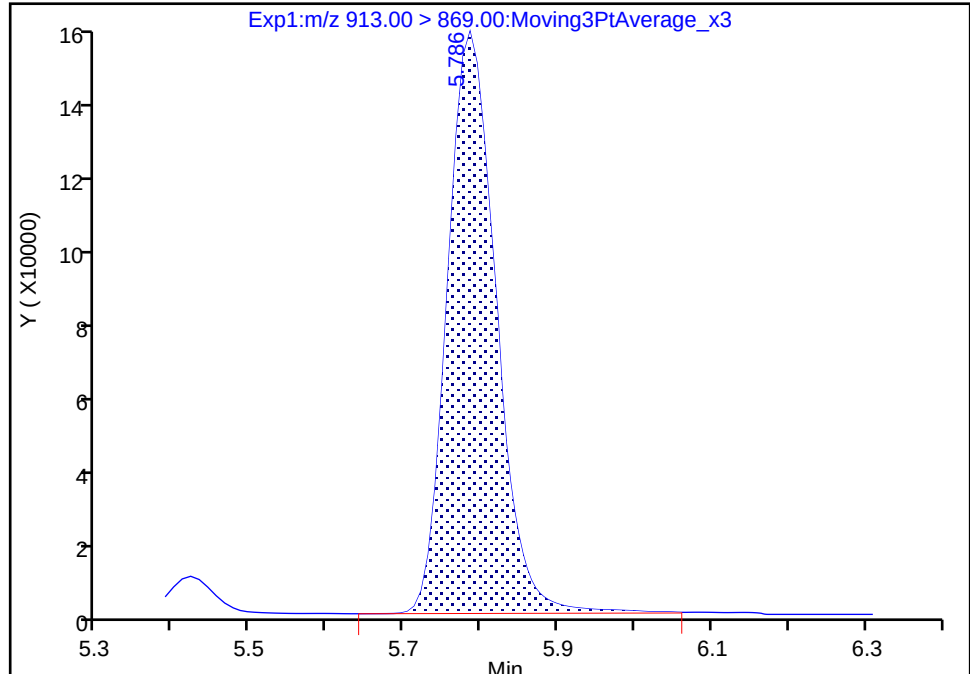
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

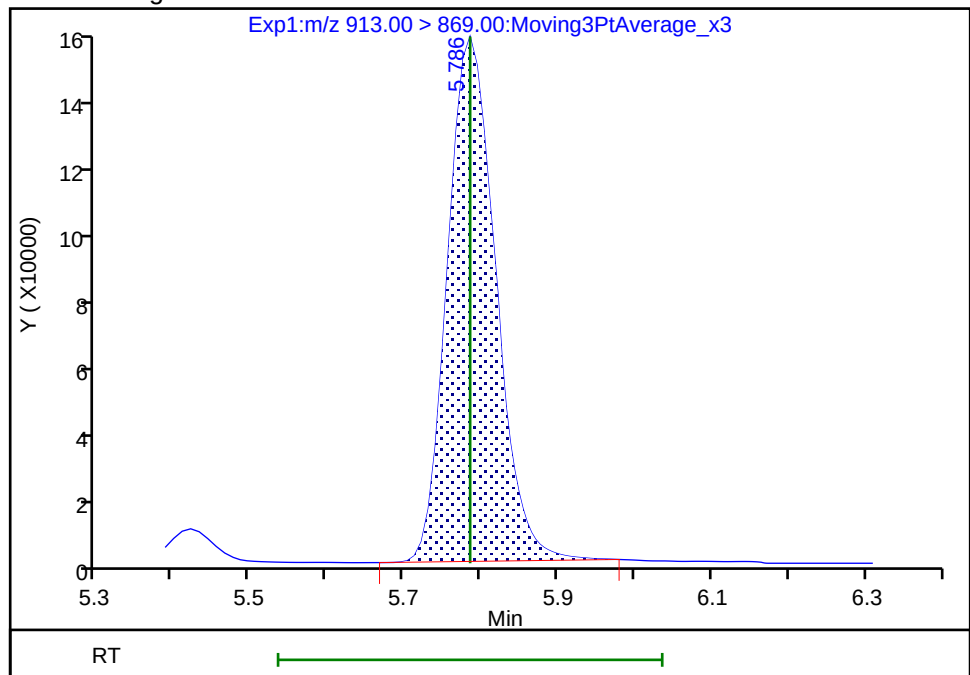
RT: 5.79
Area: 688253
Amount: 1.003393
Amount Units: ng/ml

Processing Integration Results



RT: 5.79
Area: 678664
Amount: 0.989413
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:42:18
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-263208-1

SDG No.: _____

Lab Sample ID: CCVLIS 200-182508/5 Calibration Date: 08/09/2022 16:23

Instrument ID: LC812 Calib Start Date: 08/03/2022 13:00

GC Column: C-18 ID: 4.60 (mm) Calib End Date: 08/03/2022 13:41

Lab File ID: PA220809A05.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	1.034		0.133	0.125	6.6	50.0
Perfluoropentanoic acid (PFPeA)	AveID	1.031	1.062		0.0515	0.0500	3.0	50.0
Perfluorobutanesulfonic acid (PFBS)	AveID	1.104	1.095		0.0438	0.0442	-0.8	50.0
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	AveID	2.377	2.515		0.0494	0.0467	5.8	50.0
Perfluorohexanoic acid (PFHxA)	AveID	1.043	1.139		0.0546	0.0500	9.1	50.0
Perfluoropentanesulfonic acid (PFPeS)	AveID	1.297	1.287		0.0465	0.0469	-0.8	50.0
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	AveID	1.075	1.019		0.0948	0.100	-5.2	50.0
Perfluoroheptanoic acid (PFHpA)	AveID	1.031	1.011		0.0490	0.0500	-1.9	50.0
Perfluorohexanesulfonic acid (PFHxS)	AveID	1.103	1.138		0.0469	0.0455	3.1	50.0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	4.119	4.620		0.0528	0.0471	12.2	50.0
6:2 FTS	L1ID		1.562		0.110	0.119	-7.0	50.0
Perfluoroheptanesulfonic acid (PFHpS)	AveID	1.236	1.260		0.0485	0.0476	1.9	50.0
Perfluorooctanoic acid (PFOA)	AveID	1.121	1.173		0.0523	0.0500	4.6	50.0
Perfluorooctanesulfonic acid (PFOS)	L1ID		1.175		0.0363	0.0464	-21.7	50.0
Perfluorononanoic acid (PFNA)	AveID	1.017	1.077		0.0529	0.0500	5.8	50.0
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O)	AveID	1.766	1.929		0.0509	0.0466	9.2	50.0
Perfluorononanesulfonic acid (PFNS)	AveID	0.7830	0.7612		0.0467	0.0480	-2.8	50.0
Perfluorodecanoic acid (PFDA)	AveID	1.052	1.121		0.0533	0.0500	6.6	50.0
8:2 FTS	AveID	0.9657	0.9529		0.0473	0.0479	-1.3	50.0
Perfluorooctanesulfonamide (FOSA)	AveID	1.019	1.017		0.0499	0.0500	-0.2	50.0
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	AveID	0.8881	0.8972		0.126	0.125	1.0	50.0
Perfluorodecanesulfonic acid (PFDS)	AveID	0.5827	0.5896		0.0488	0.0482	1.2	50.0
Perfluoroundecanoic acid (PFUnA)	AveID	1.059	1.005		0.0475	0.0500	-5.1	50.0
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.9079	0.9100		0.125	0.125	0.2	50.0
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF)	AveID	2.299	2.604		0.0533	0.0471	13.3	50.0
Perfluorododecanoic acid (PFDoA)	AveID	1.014	1.018		0.0502	0.0500	0.4	50.0
1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS)	AveID	0.4511	0.5604		0.0599	0.0482	24.2	50.0
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.2587	0.2648		0.0495	0.0484	2.4	50.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-263208-1
 SDG No.: _____
 Lab Sample ID: CCVLIS 200-182508/5 Calibration Date: 08/09/2022 16:23
 Instrument ID: LC812 Calib Start Date: 08/03/2022 13:00
 GC Column: C-18 ID: 4.60 (mm) Calib End Date: 08/03/2022 13:41
 Lab File ID: PA220809A05.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	0.9416		0.0536	0.0500	7.1	50.0
Perfluorotetradecanoic acid (PFTeA)	AveID	0.1602	0.1731		0.0540	0.0500	8.0	50.0
Perfluoro-n-hexadecanoic acid (PFHxDA)	L1ID		1.096		0.0405	0.0500	-19.0	50.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	0.6649	0.7337		0.0552	0.0500	10.3	50.0
13C4 PFBA	Ave	1.167	1.064		1.14	1.25	-8.8	
13C5 PFPeA	Ave	0.8976	0.8478		1.18	1.25	-5.5	
13C3 PFBS	Ave	1.039	0.9437		1.06	1.16	-9.1	
M2-4:2 FTS	Ave	0.0894	0.0792		1.03	1.17	-11.4	
13C2 PFHxA	Ave	0.8962	0.8772		1.22	1.25	-2.1	
13C3 HFPO-DA	Ave	0.1687	0.1616		1.20	1.25	-4.2	
13C4 PFHpA	Ave	0.9296	0.8861		1.19	1.25	-4.7	
18O2 PFHxS	Ave	0.7305	0.7442		1.21	1.18	1.9	
M2-6:2 FTS	Ave	0.1223	0.1145		1.11	1.19	-6.3	
13C4 PFOA	Ave	0.9525	0.9393		1.23	1.25	-1.4	
13C4 PFOS	Ave	0.5455	0.5210		1.14	1.20	-4.5	
13C5 PFNA	Ave	0.9889	0.9474		1.20	1.25	-4.2	
13C2 PFDA	Ave	0.9624	0.9542		1.24	1.25	-0.9	
M2-8:2 FTS	Ave	0.1471	0.1481		1.21	1.20	0.7	
13C8 FOSA	Ave	0.8423	0.8139		1.21	1.25	-3.4	
d3-NMeFOSAA	Ave	0.1290	0.1219		1.18	1.25	-5.5	
13C2 PFUnA	Ave	0.7292	0.7465		1.28	1.25	2.4	
d5-NEtFOSAA	Ave	0.1221	0.1147		1.17	1.25	-6.1	
13C2 PFDoA	Ave	0.7556	0.8102		1.34	1.25	7.2	
13C2 PFTeDA	Ave	0.6177	0.6874		1.39	1.25	11.3	
13C2 PFHxDA	Ave	0.7037	0.7623		1.35	1.25	8.3	

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A05.d
 Lims ID: CCVLIS
 Client ID:
 Sample Type: CCVLIS
 Inject. Date: 09-Aug-2022 16:23:57 ALS Bottle#: 2 Worklist Smp#: 5
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: CCVLIS
 Misc. Info.: 200-0052011-005 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Sublist: chrom-PFC_LC812*sub3
 Method: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 10-Aug-2022 09:53:48 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: CTX1674

First Level Reviewer: khanphomeea

Date: 10-Aug-2022 09:04:06

Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										M
217.00 > 172.00	2.085	2.085	0.0	0.602	2244289	1.14		91.2	9165	M
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.085	2.085	0.0	1.000	232006	0.1333		107	29.2	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.386	2.386	0.0	0.689	1788654	1.18		94.5	4344	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.386	2.386	0.0	1.000	76003	0.0515		103	3.1	M
D 47 13C3 PFBS										
301.90 > 80.00	2.400	2.400	0.0	0.693	1851602	1.06		90.9	190125	
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.413	2.413	0.0	1.006	77062	0.0438	Target=2.23	99.2	39.8	M
298.90 > 99.00	2.413	2.413	0.0	1.006	38237		2.02(1.11-3.34)		36.0	
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.701	2.701	0.0	0.780	156025	1.03		88.6	152	M
61 1H,1H,2H,2H-perfluorohexanesulfo										M
327.00 > 307.00	2.701	2.701	0.0	1.000	15697	0.0494		106	322	M
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.737	2.737	0.0	1.000	84281	0.0546	Target=12.24	109	23.3	M
313.00 > 119.00	2.737	2.737	0.0	1.000	6411		13.15(6.12-18.36)		10.4	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.737	2.737	0.0	0.790	1850591	1.22		97.9	3461	
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.750	2.750	0.0	0.884	75791	0.0465	Target=2.95	99.2	60.0	M
349.00 > 99.00	2.750	2.750	0.0	0.884	25821		2.94(1.48-4.43)		60.6	
D 64 13C3 HFPO-DA										M
287.00 > 169.00	2.847	2.847	0.0	0.822	340862	1.20		95.8	1222	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	2.847	0.0	1.000	27790	0.0948		94.8	338	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.110	3.110	0.0	0.898	1485334	1.20		102	2701	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.110	3.110	0.0	1.000	65011	0.0469	Target=3.43	103	147	M
399.00 > 99.00	3.110	3.110	0.0	1.000	21701		3.00(1.72-5.15)		35.2	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.110	3.110	0.0	0.898	1869395	1.19		95.3	2431	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.110	3.110	0.0	1.000	75595	0.0490	Target=3.73	98.1	27.6	M
363.00 > 169.00	3.110	3.110	0.0	1.000	20262		3.73(1.86-5.59)		41.3	M
77 DONA										
377.00 > 251.00	3.143	3.143	0.0	0.831	191359	0.0528	Target=2.84	112	363	
377.00 > 85.00	3.154	3.143	0.011	0.834	64055		2.99(1.42-4.26)		106	
D 12 M2-6:2 FTS										
429.00 > 81.00	3.455	3.455	0.0	0.997	229533	1.11		93.7	548	
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.455	3.455	0.0	1.000	35771	0.1102		93.0	170	M
16 Perfluoroheptanesulfonic acid										
449.00 > 80.00	3.455	3.455	0.0	0.914	52736	0.0485	Target=4.89	102	186	
449.00 > 99.00	3.455	3.455	0.0	0.914	11657		4.52(2.44-7.33)		59.2	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.464	3.464	0.0	1.000	92947	0.0523	Target=2.67	105	13.0	
413.00 > 169.00	3.464	3.464	0.0	1.000	34308		2.71(1.34-4.01)		82.7	M
D 14 13C4 PFOA										M
417.00 > 372.00	3.464	3.464	0.0	1.000	1981570	1.23		98.6	1805	M
* 62 13C2 PFOA										
415.00 > 370.00	3.464	3.464	0.0		2109716	1.25			4451	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.782	3.782	0.0	1.000	47930	0.0363	Target=4.88	78.3	37.1	M
499.00 > 99.00	3.782	3.782	0.0	1.000	10429		4.60(2.44-7.32)		40.8	M
D 18 13C4 PFOS										M
503.00 > 80.00	3.782	3.782	0.0	1.092	1050784	1.14		95.5	1811	M
20 Perfluorononanoic acid										M
463.00 > 419.00	3.801	3.801	0.0	1.000	86066	0.0529	Target=8.23	106	36.8	M
463.00 > 169.00	3.801	3.801	0.0	1.000	10338		8.33(4.11-12.34)		127	
D 19 13C5 PFNA										M
468.00 > 423.00	3.801	3.801	0.0	1.097	1998701	1.20		95.8	2048	M
69 9-Chlorohexadecafluoro-3-oxanona										M
531.00 > 351.00	3.951	3.951	0.0	1.045	79059	0.0509		109	469	M
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.081	4.081	0.0	1.079	32130	0.0467	Target=2.53	97.2	227	
549.00 > 99.00	4.081	4.081	0.0	1.079	12982		2.47(1.26-3.79)		86.0	
D 23 13C2 PFDA										M
515.00 > 470.00	4.104	4.104	0.0	1.185	2013154	1.24		99.1	1496	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	4.104	4.104	0.0	1.000	90244	0.0533	Target=9.67	107	69.2	
513.00 > 169.00	4.104	4.104	0.0	1.000	9723		9.28(4.83-14.50)		62.9	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.115	4.115	0.0	1.188	299427	1.21		101	860	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.115	4.115	0.0	1.000	11413	0.0473		98.7	214	M
D 21 13C8 FOSA										
506.00 > 78.00	4.161	4.161	0.0	1.201	1717084	1.21		96.6	1338	M
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.173	4.173	0.0	1.003	69863	0.0499		99.8	186	
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.249	4.249	0.0	1.227	257199	1.18		94.5	1345	M
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.249	4.249	0.0	1.000	23077	0.1263		101	64.6	M
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.342	4.342	0.0	1.148	24990	0.0488	Target=2.80	101	213	
599.00 > 99.00	4.353	4.342	0.011	1.151	10134		2.47(1.40-4.20)		130	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.376	4.376	0.0	1.263	1574829	1.28		102	1733	M
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.376	4.376	0.0	1.000	63336	0.0475	Target=9.07	94.9	64.8	
563.00 > 169.00	4.376	4.376	0.0	1.000	7007		9.04(4.54-13.61)		84.0	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.387	4.387	0.0	1.267	241926	1.17		93.9	850	M
33 N-ethylperfluorooctanesulfonamid										
584.00 > 419.00	4.387	4.387	0.0	1.000	22016	0.1253		100	330	M
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.478	4.478	0.0	1.184	107855	0.0533		113	876	
D 36 13C2 PFDaA										
615.00 > 570.00	4.612	4.612	0.0	1.331	1709397	1.34		107	1871	M
37 Perfluorododecanoic acid										
613.00 > 569.00	4.612	4.612	0.0	1.000	69614	0.0502	Target=6.97	100	10.4	
613.00 > 169.00	4.612	4.612	0.0	1.000	10926		6.37(3.48-10.45)		136	
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.633	4.633	0.0	1.126	6754	0.0599		124	221	M
75 Perfluorododecanesulfonic acid (										
699.00 > 80.00	4.794	4.794	0.0	1.268	11269	0.0495	Target=0.52	102	147	
699.00 > 99.00	4.794	4.794	0.0	1.268	21607		0.52(0.26-0.79)		424	
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.837	4.837	0.0	1.049	64383	0.0536	Target=4.56	107	12.2	M
663.00 > 169.00	4.837	4.837	0.0	1.049	12541		5.13(2.28-6.84)		114	M
D 43 13C2 PFTeDA										
715.00 > 670.00	5.032	5.032	0.0	1.453	1450161	1.39		111	2497	M
42 Perfluorotetradecanoic acid										
713.00 > 169.00	5.032	5.032	0.0	1.000	10040	0.0540	Target=0.94	108	190	
713.00 > 219.00	5.022	5.032	-0.010	0.998	11045		0.91(0.47-1.41)		208	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	5.389	5.389	0.0	1.000	70486	0.0405	Target=4.38	81.0	18.4	
813.00 > 169.00	5.389	5.389	0.0	1.000	16455		4.28(2.19-6.57)		209	
D 44 13C2 PFHxDA										
815.00 > 770.00	5.389	5.389	0.0	1.556	1608261	1.35		108	3070	M
46 Perfluorooctadecanoic acid										
913.00 > 869.00	5.740	5.740	0.0	1.065	47197	0.0552	Target=4.31	110	15.1	
913.00 > 169.00	5.731	5.740	-0.009	1.064	10366		4.55(2.16-6.47)		135	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PFAS32NCLOQV_00022

Amount Added: 100.00

Units: uL

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A05.d

Injection Date: 09-Aug-2022 16:23:57

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

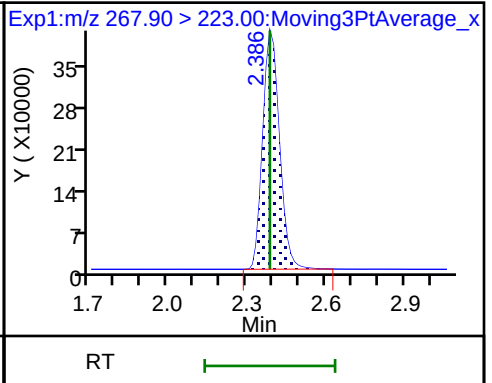
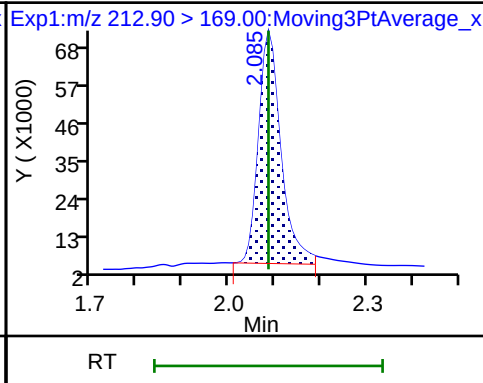
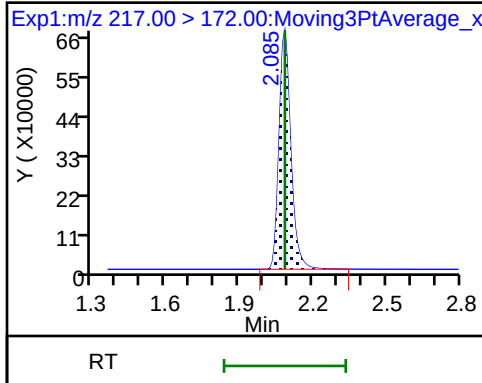
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA (M)

2 Perfluorobutanoic acid (M)

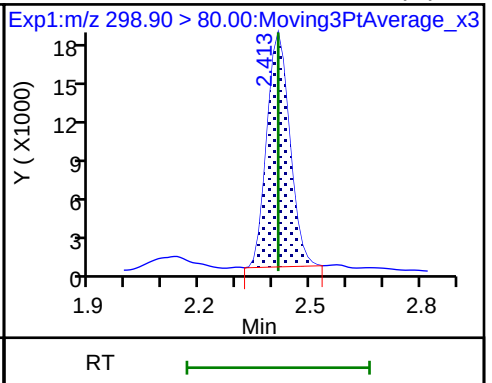
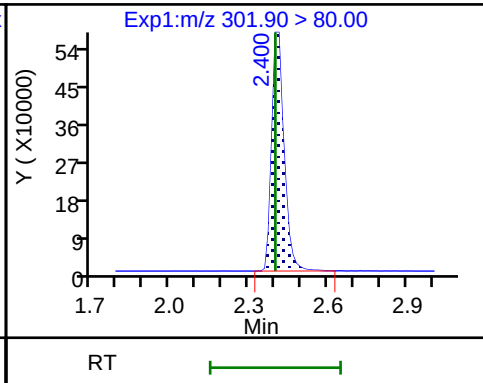
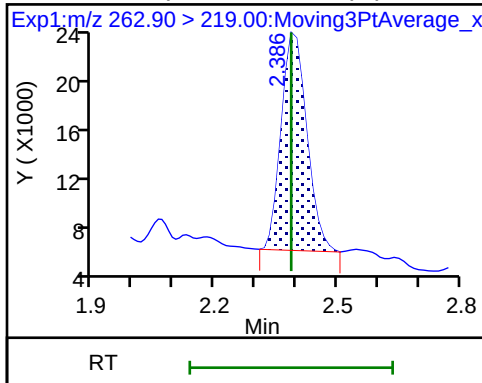
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

D 47 13C3 PFBS

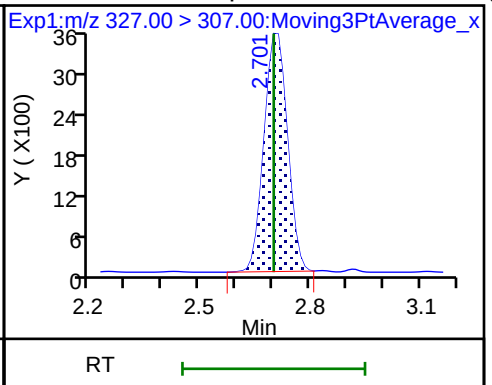
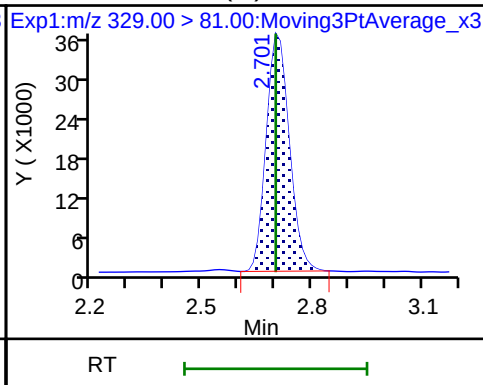
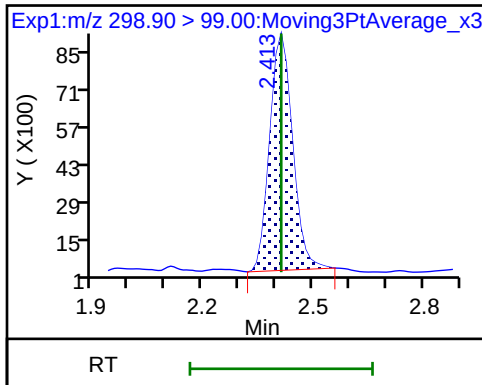
5 Perfluorobutanesulfonic acid (M)



5 Perfluorobutanesulfonic acid

D 60 M2-4:2 FTS (M)

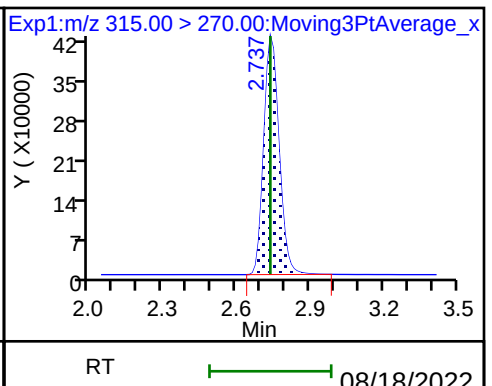
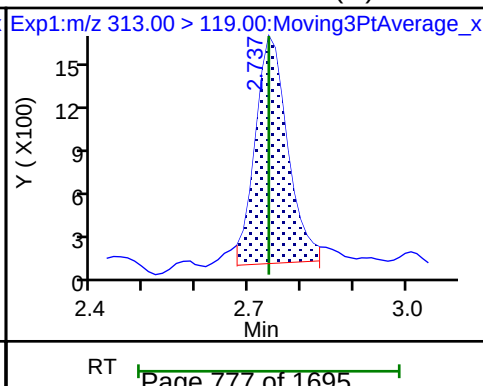
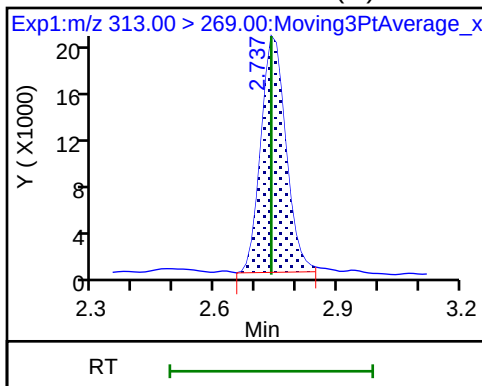
61 1H,1H,2H,2H-perfluorohexanesulfo (M)



6 Perfluorohexanoic acid (M)

6 Perfluorohexanoic acid (M)

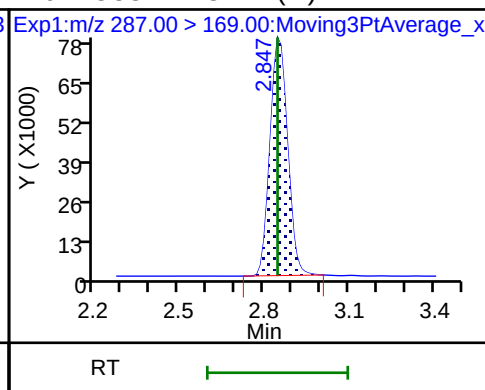
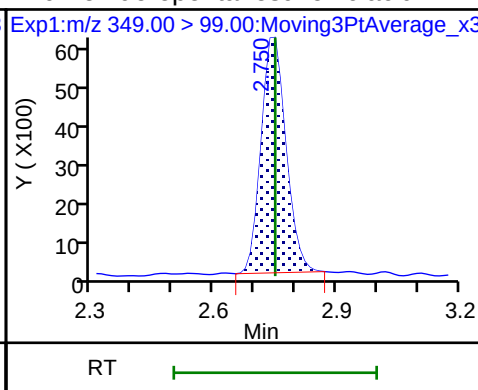
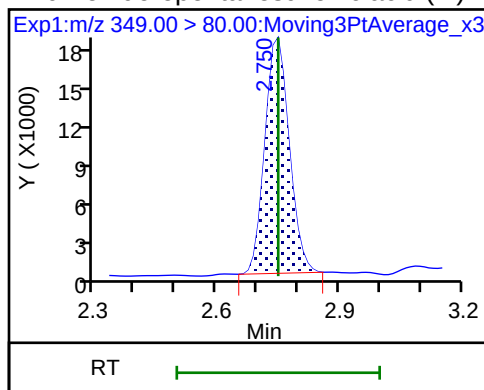
D 7 13C2 PFHxA



70 Perfluoropentanesulfonic acid (M)

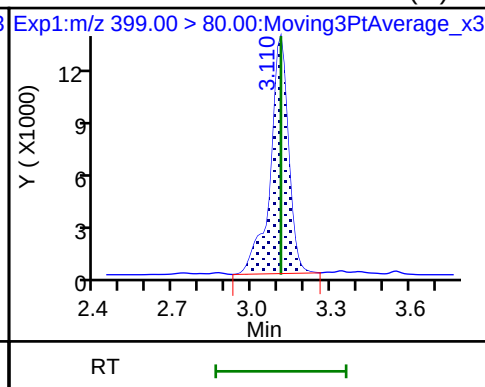
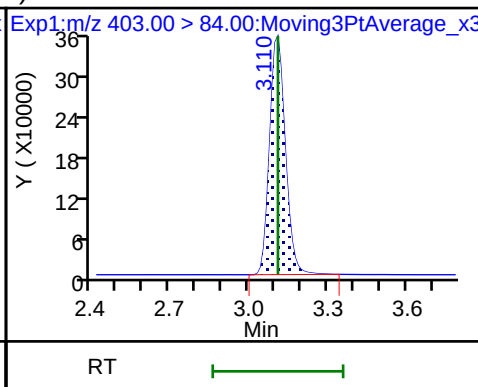
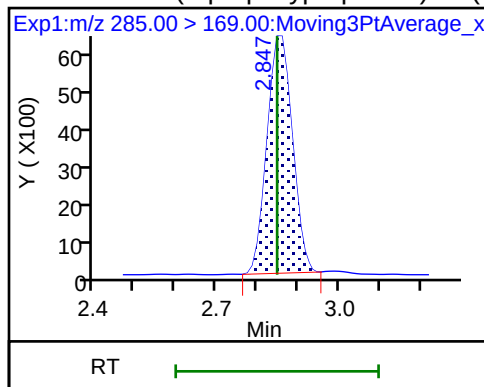
70 Perfluoropentanesulfonic acid

D 64 13C3 HFPO-DA (M)



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

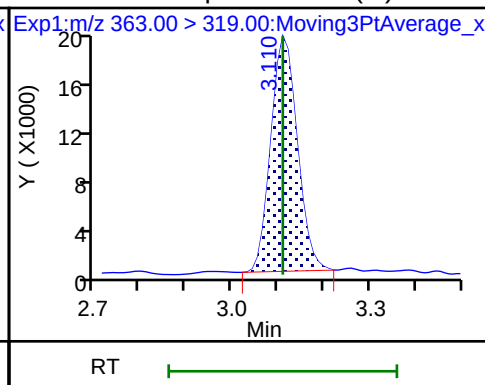
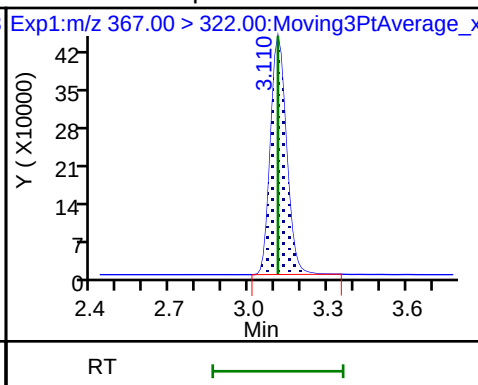
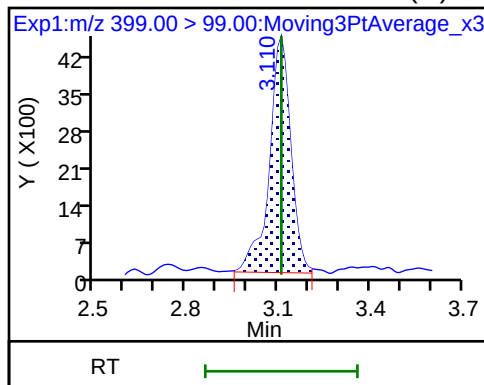
8 Perfluorohexanesulfonic acid (M)



8 Perfluorohexanesulfonic acid (M)

D 9 13C4 PFHpA

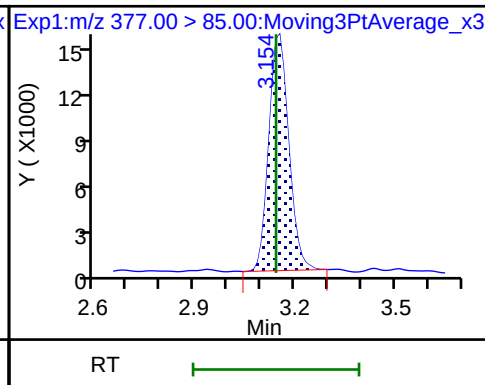
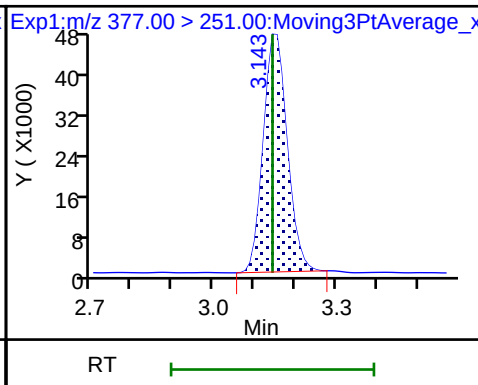
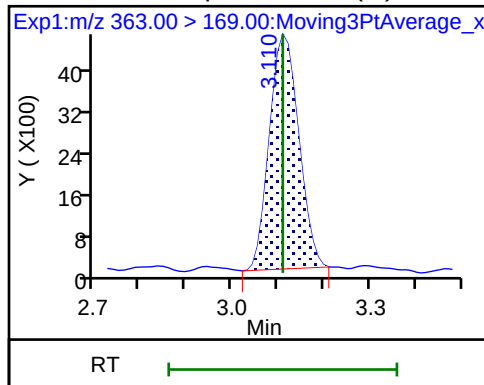
10 Perfluoroheptanoic acid (M)



10 Perfluoroheptanoic acid (M)

77 DONA

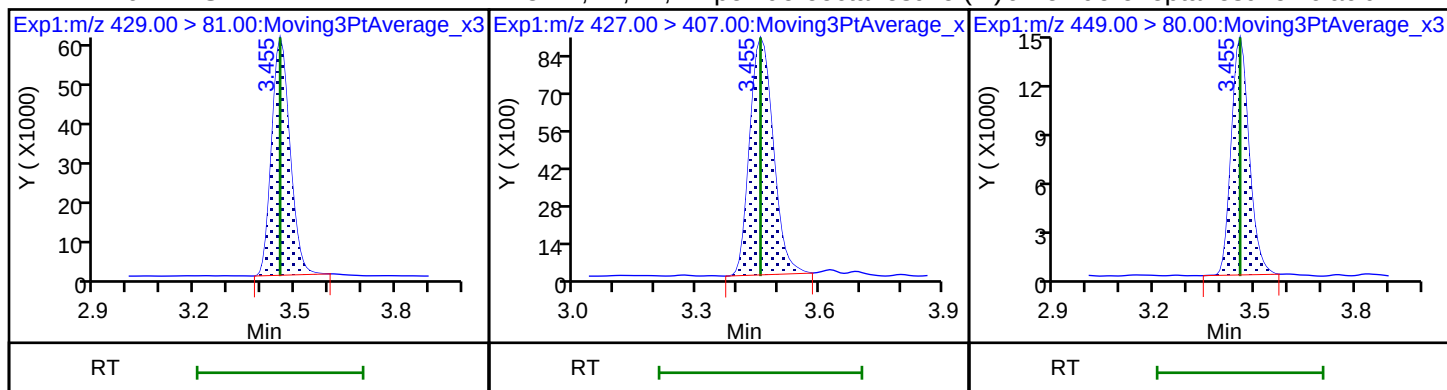
77 DONA



D 12 M2-6:2 FTS

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

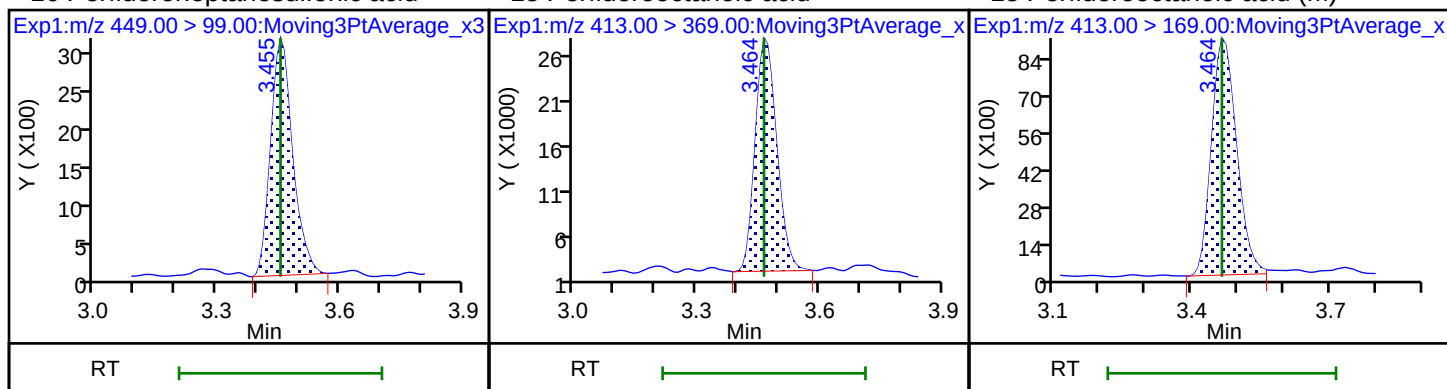
16 Perfluoroheptanesulfonic acid



16 Perfluoroheptanesulfonic acid

15 Perfluorooctanoic acid

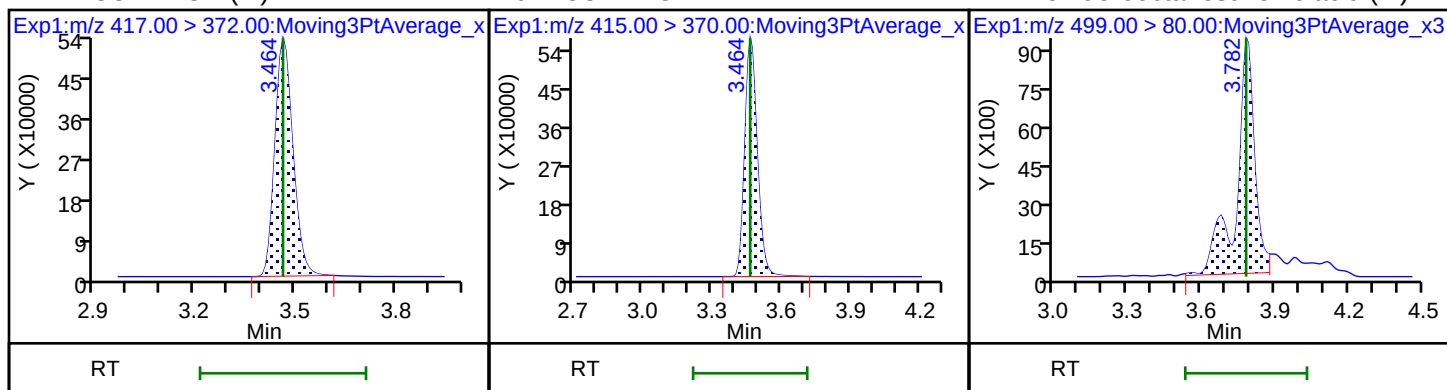
15 Perfluorooctanoic acid (M)



D 14 13C4 PFOA (M)

* 62 13C2 PFOA

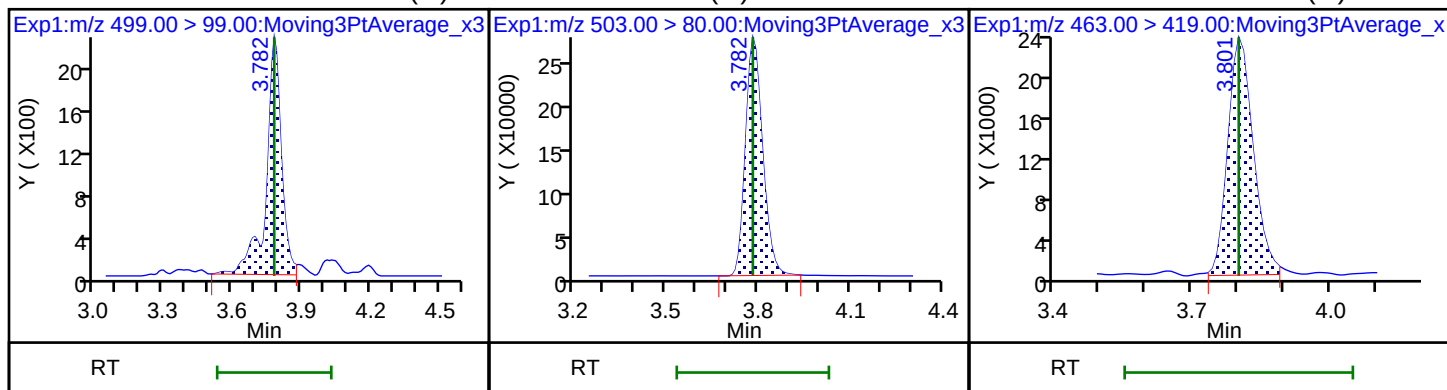
17 Perfluorooctanesulfonic acid (M)

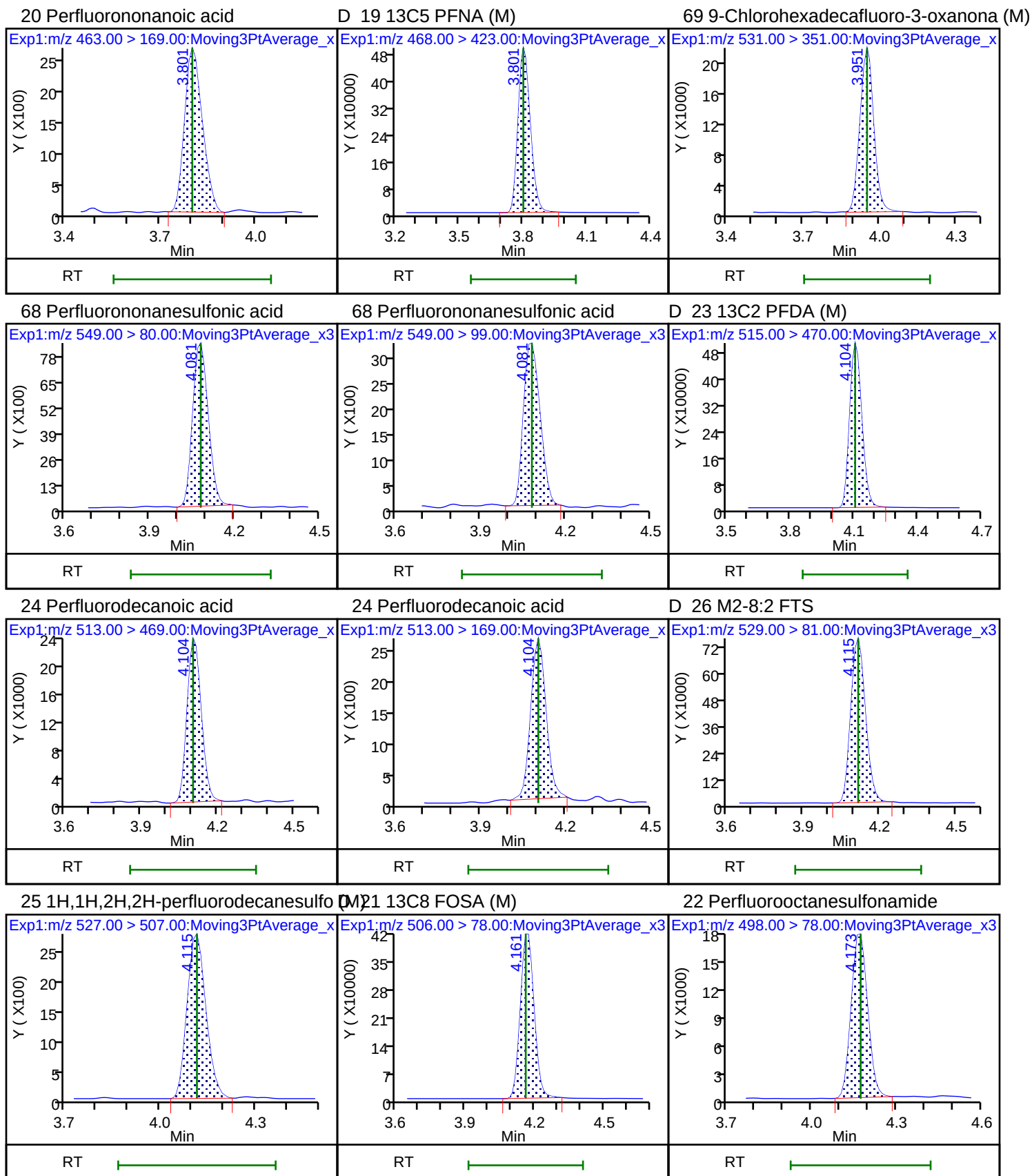


17 Perfluorooctanesulfonic acid (M)

D 18 13C4 PFOS (M)

20 Perfluorononanoic acid (M)

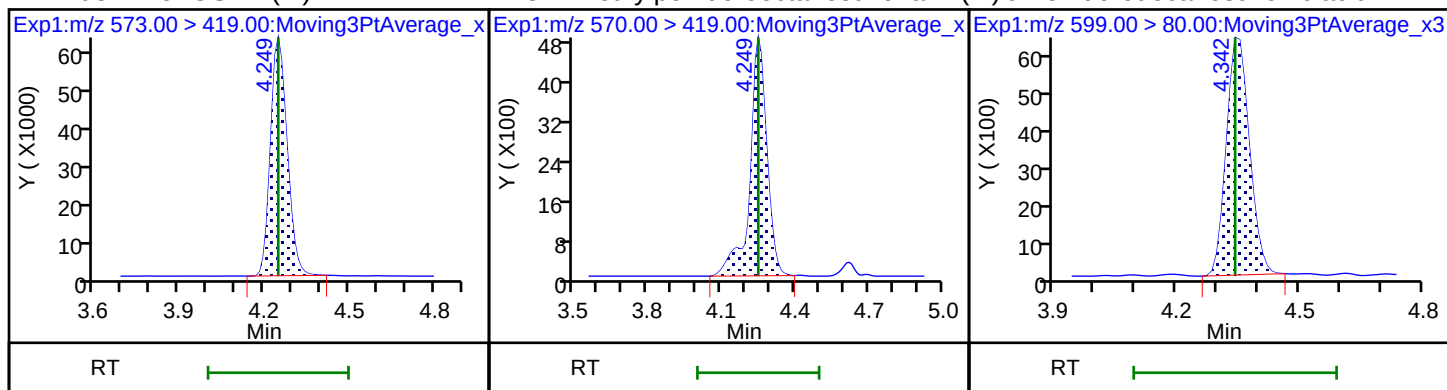




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami (M)

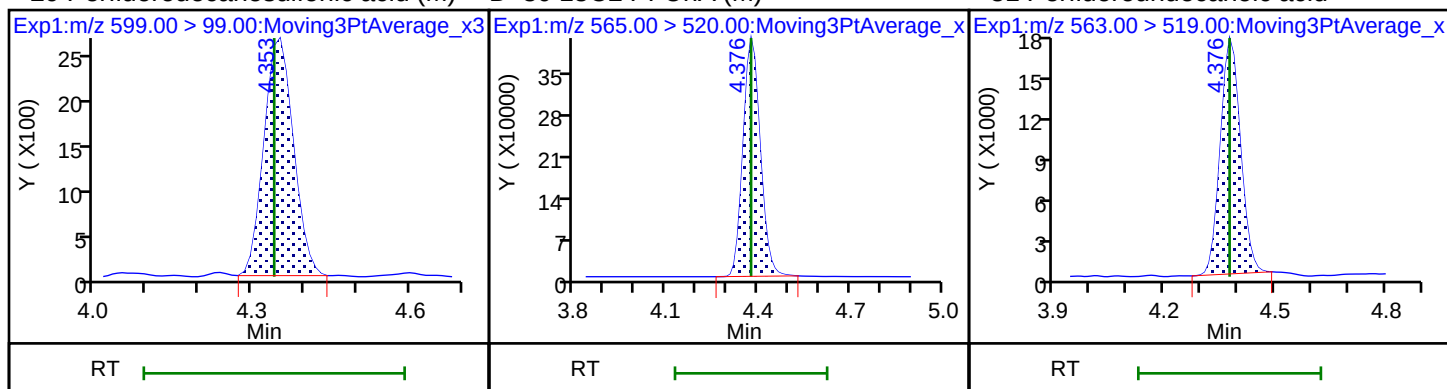
29 Perfluorodecanesulfonic acid



29 Perfluorodecanesulfonic acid (M)

D 30 13C2 PFUnA (M)

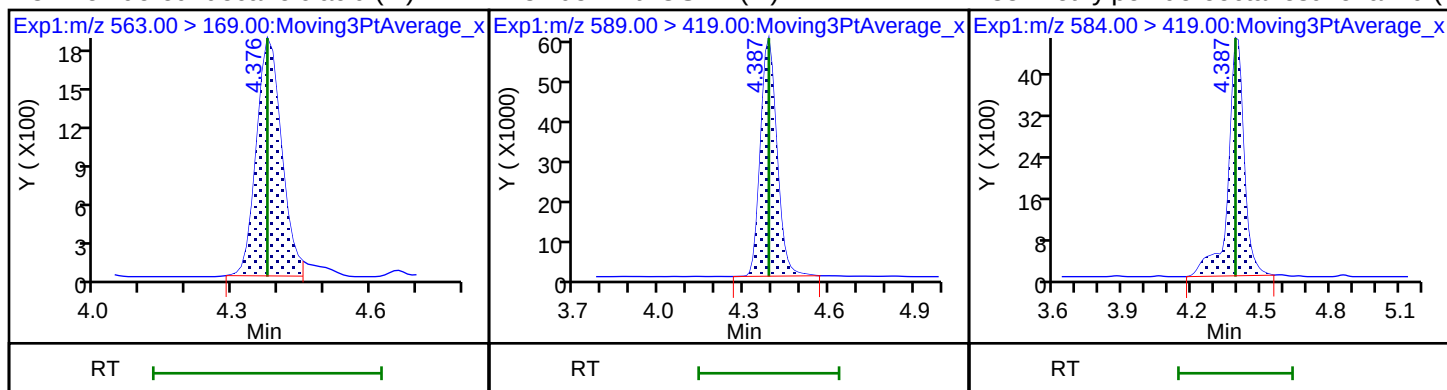
31 Perfluoroundecanoic acid



31 Perfluoroundecanoic acid (M)

D 32 d5-NEtFOSAA (M)

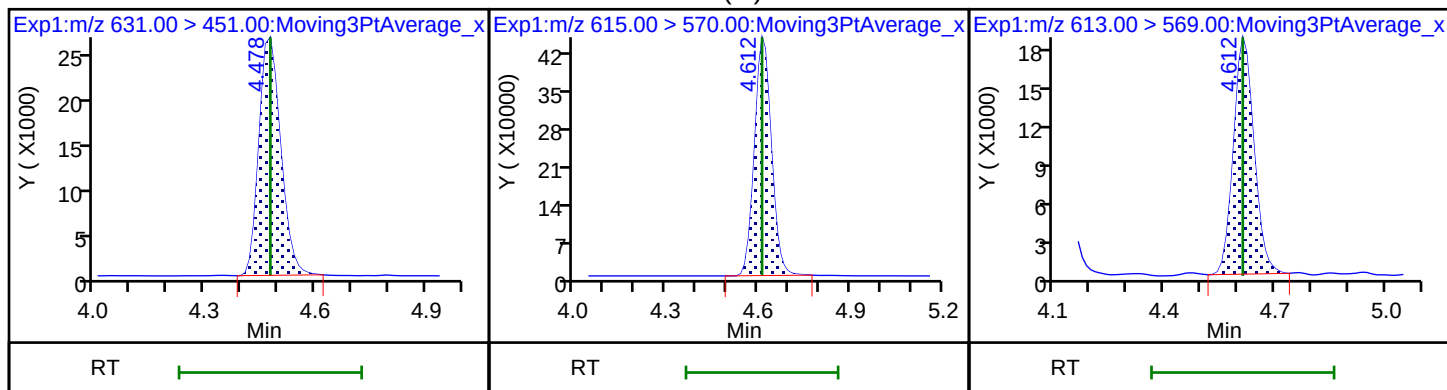
33 N-ethylperfluorooctanesulfonamid (M)

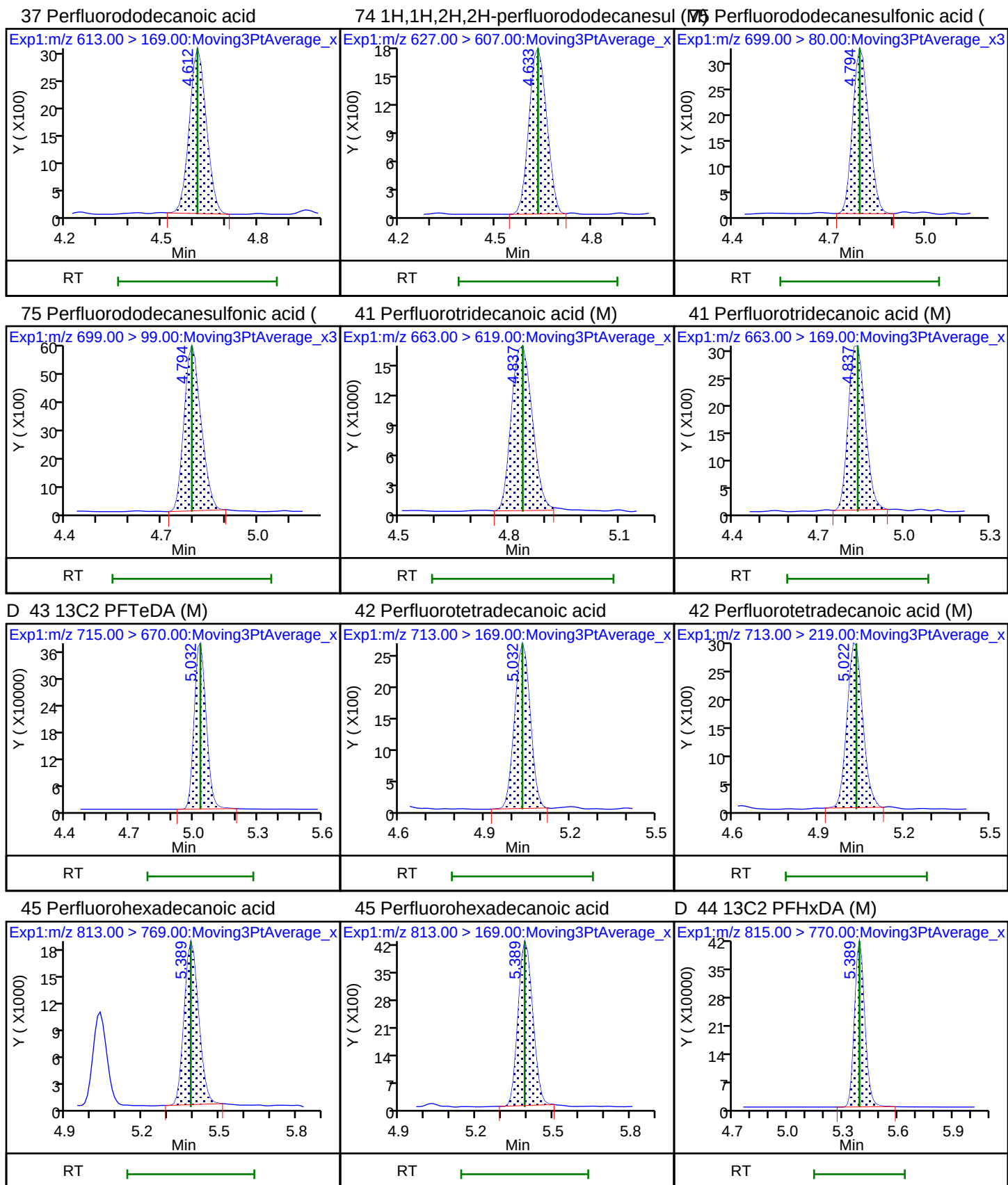


66 11-Chloroeicosafluoro-3-oxaundec

D 36 13C2 PFDa (M)

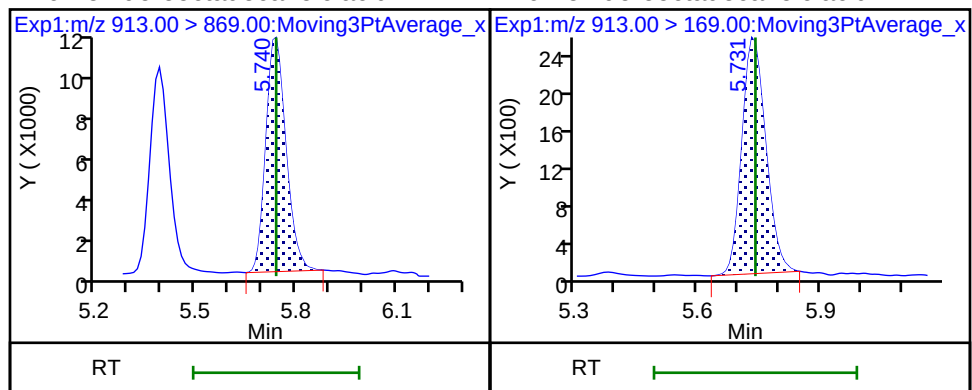
37 Perfluorododecanoic acid





46 Perfluorooctadecanoic acid

46 Perfluorooctadecanoic acid



Eurofins Burlington

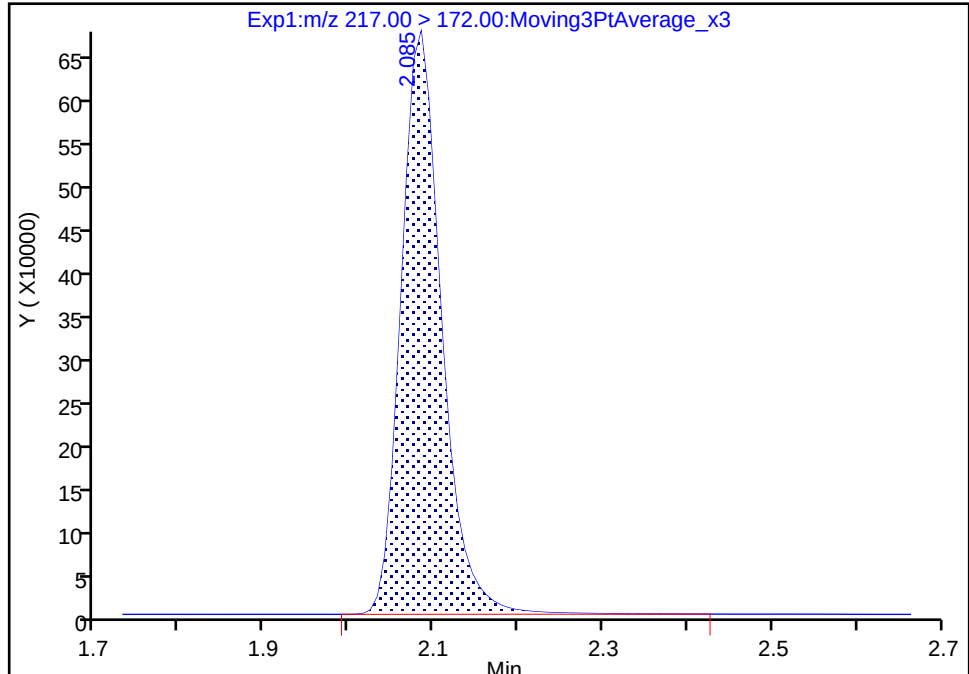
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A05.d
Injection Date: 09-Aug-2022 16:23:57 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 1 13C4 PFBA, CAS: STL00992

Signal: 1

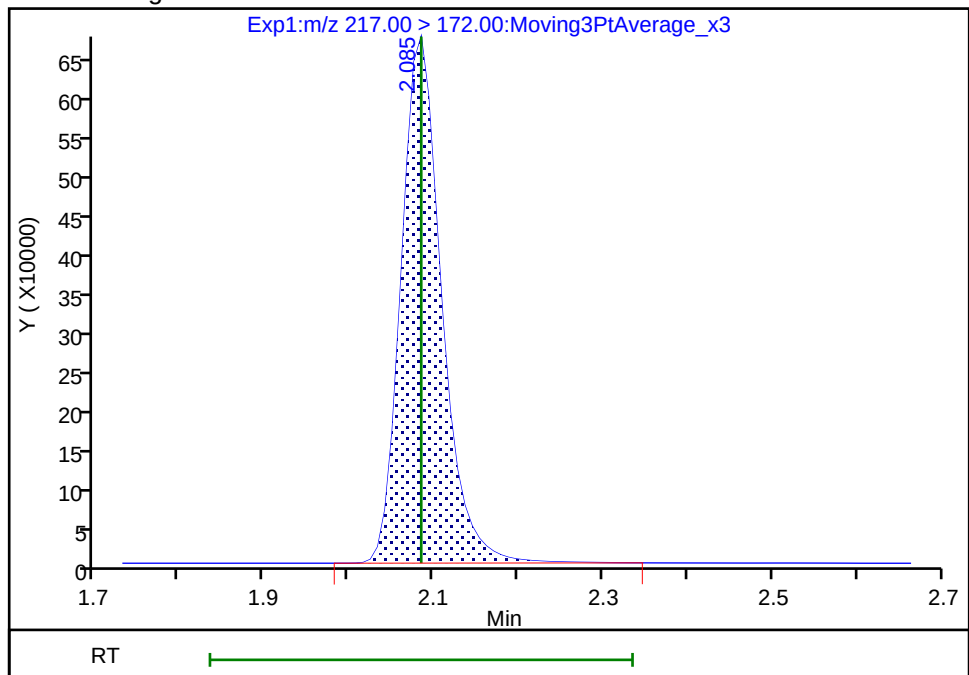
RT: 2.08
Area: 2247362
Amount: 1.140963
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 2244289
Amount: 1.139403
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:35:20
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

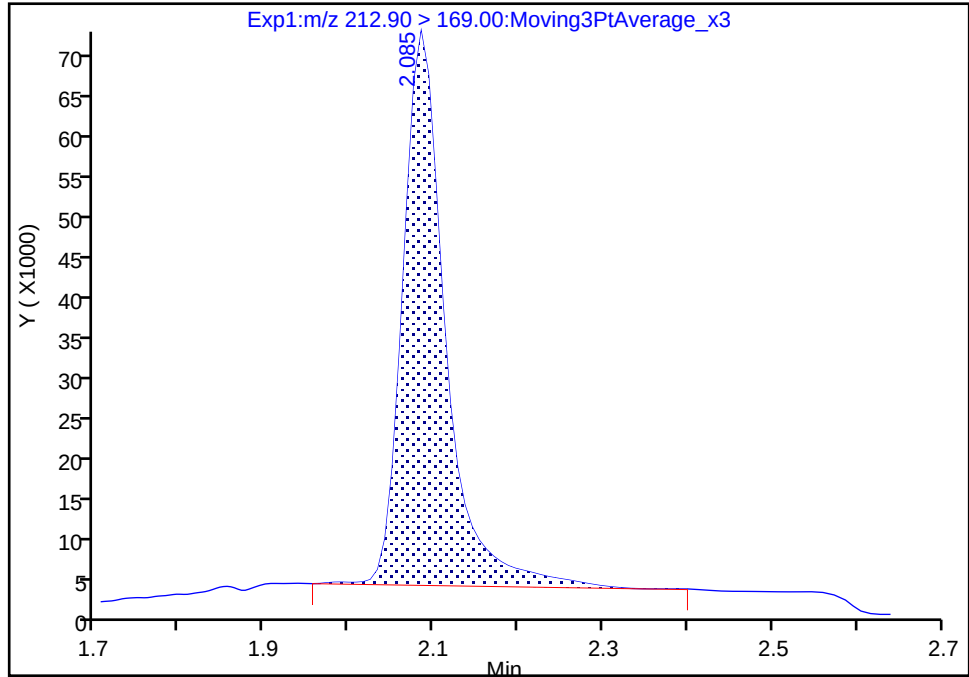
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A05.d
Injection Date: 09-Aug-2022 16:23:57 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

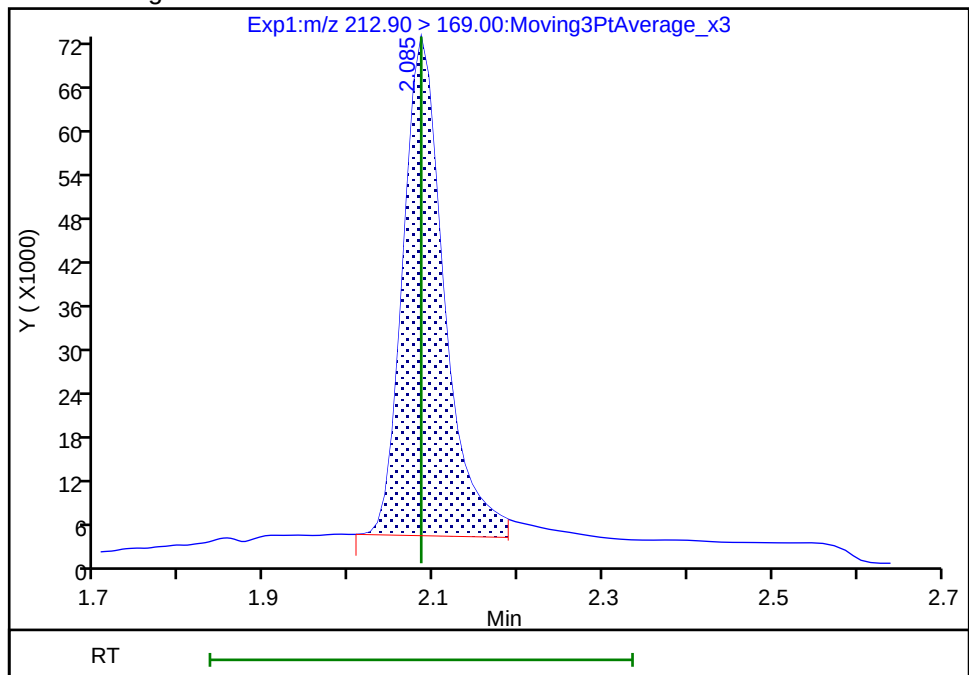
RT: 2.08
Area: 243558
Amount: 0.139703
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 232006
Amount: 0.133259
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:00:18

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

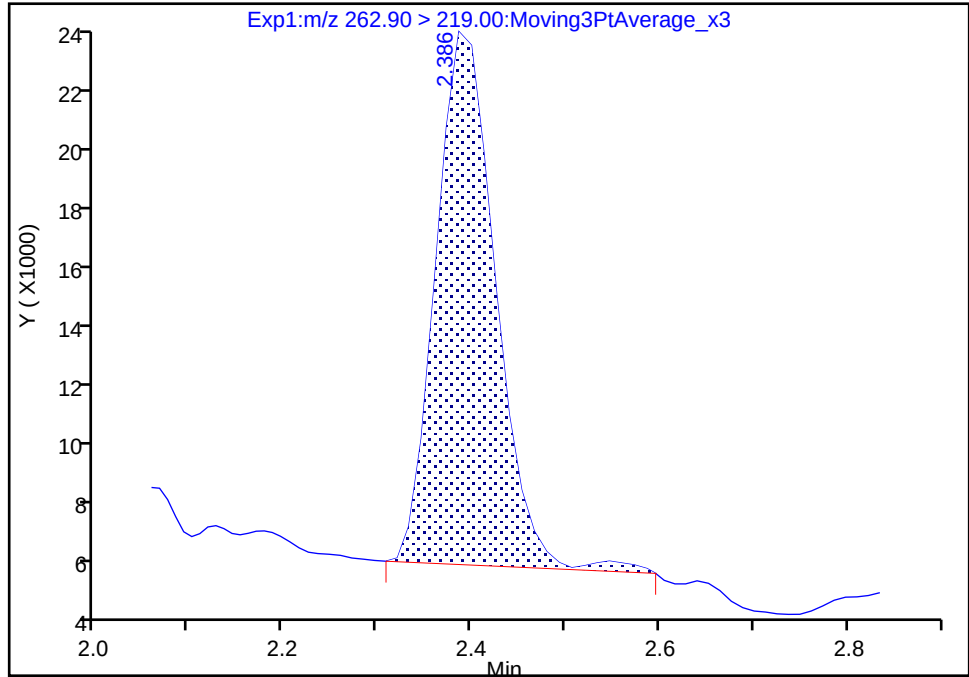
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A05.d
Injection Date: 09-Aug-2022 16:23:57 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

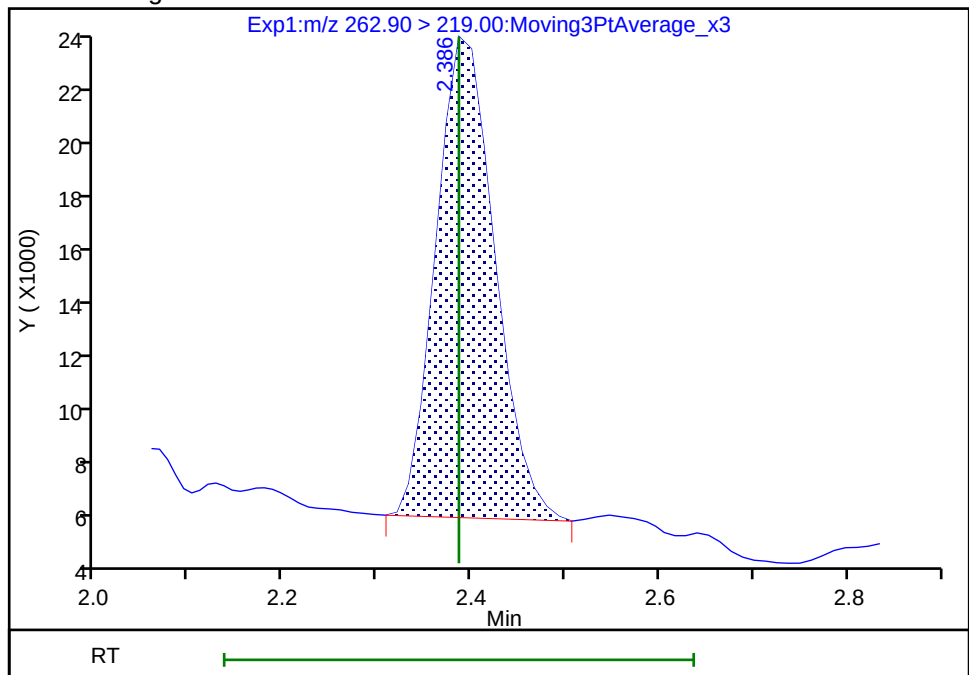
RT: 2.39
Area: 77484
Amount: 0.052525
Amount Units: ng/ml

Processing Integration Results



RT: 2.39
Area: 76003
Amount: 0.051521
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:00:23

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

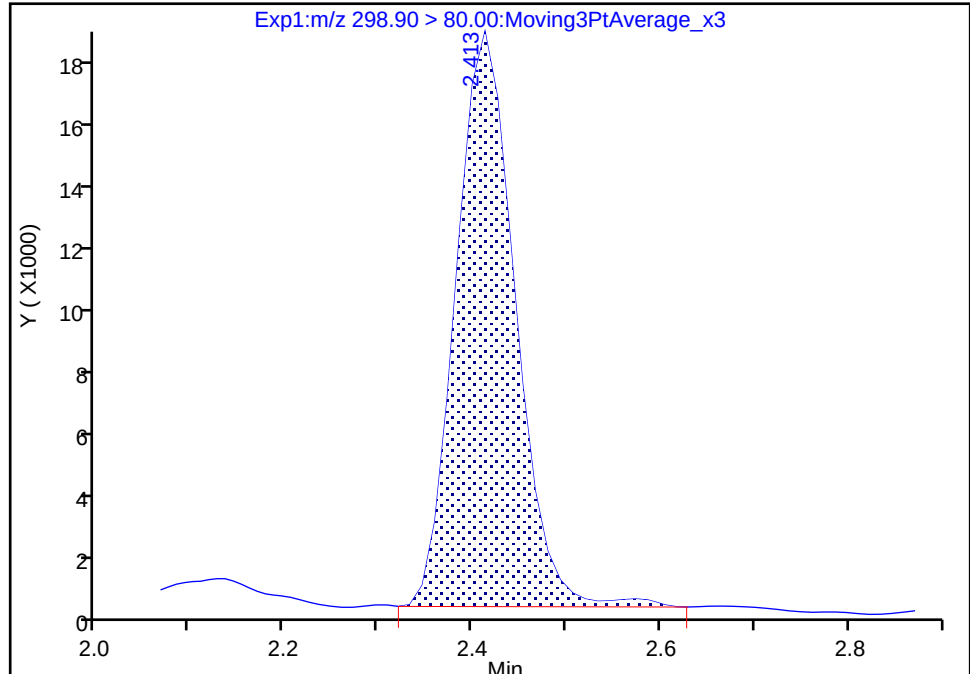
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A05.d
Injection Date: 09-Aug-2022 16:23:57 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

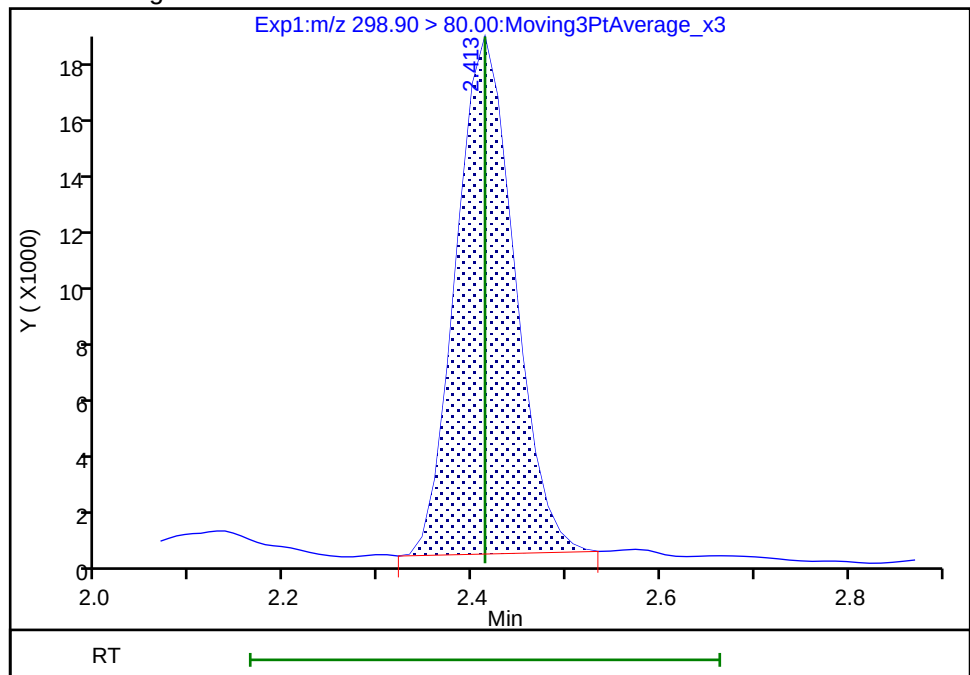
RT: 2.41
Area: 79031
Amount: 0.044951
Amount Units: ng/ml

Processing Integration Results



RT: 2.41
Area: 77062
Amount: 0.043831
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:00:31

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A05.d

Injection Date: 09-Aug-2022 16:23:57

Instrument ID: LC812

Lims ID: CCVLIS

Client ID:

Operator ID: lc812tech

ALS Bottle#:

2

Worklist Smp#: 5

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

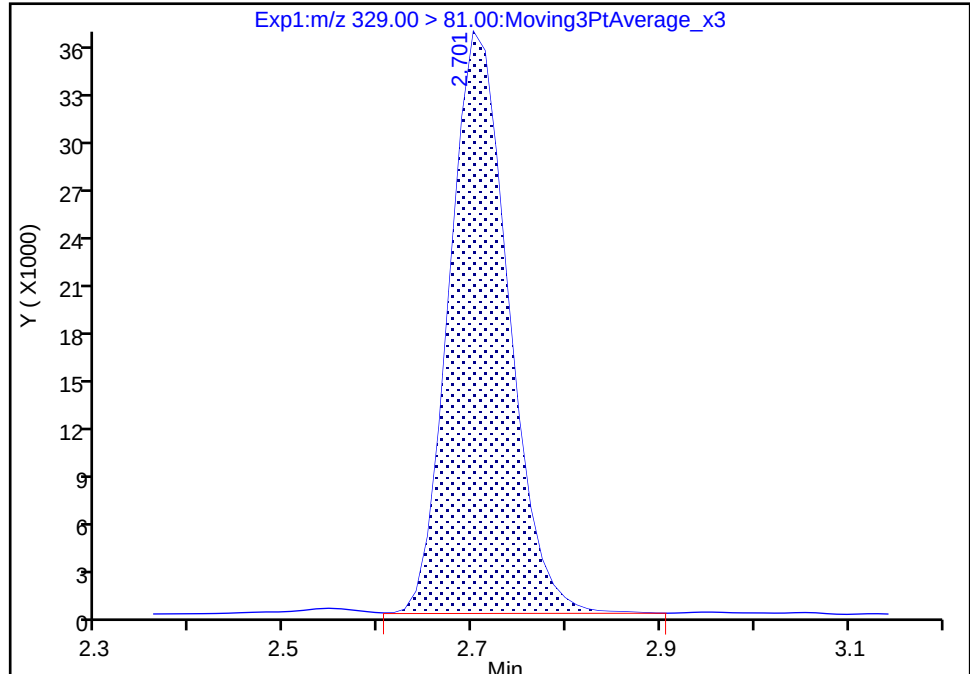
Detector: EXP1

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

Signal: 1

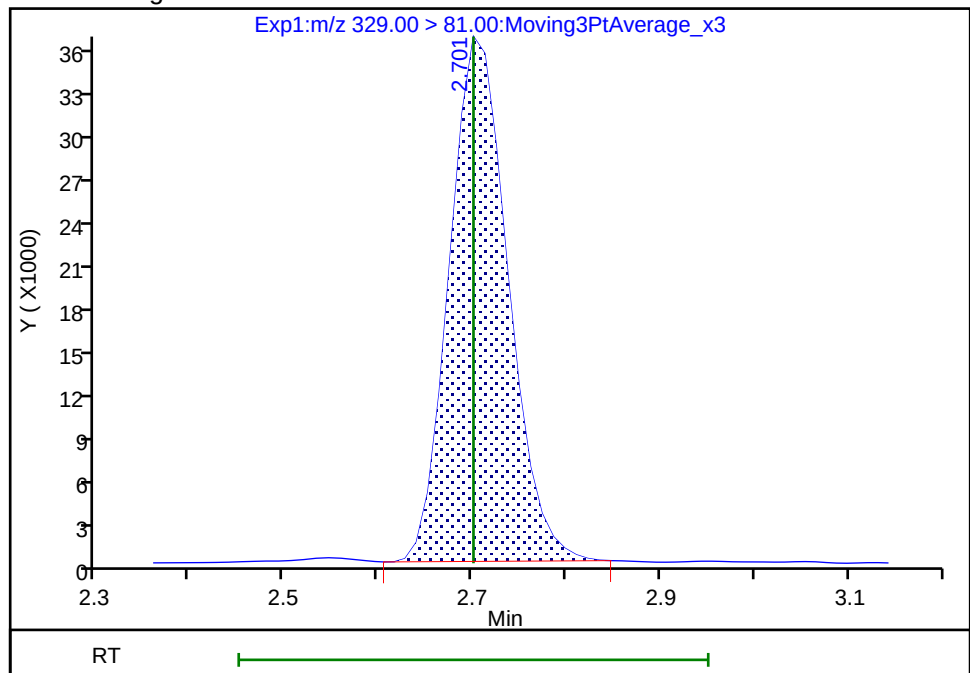
RT: 2.70
Area: 157302
Amount: 1.042310
Amount Units: ng/ml

Processing Integration Results



RT: 2.70
Area: 156025
Amount: 1.033848
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:35:29

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

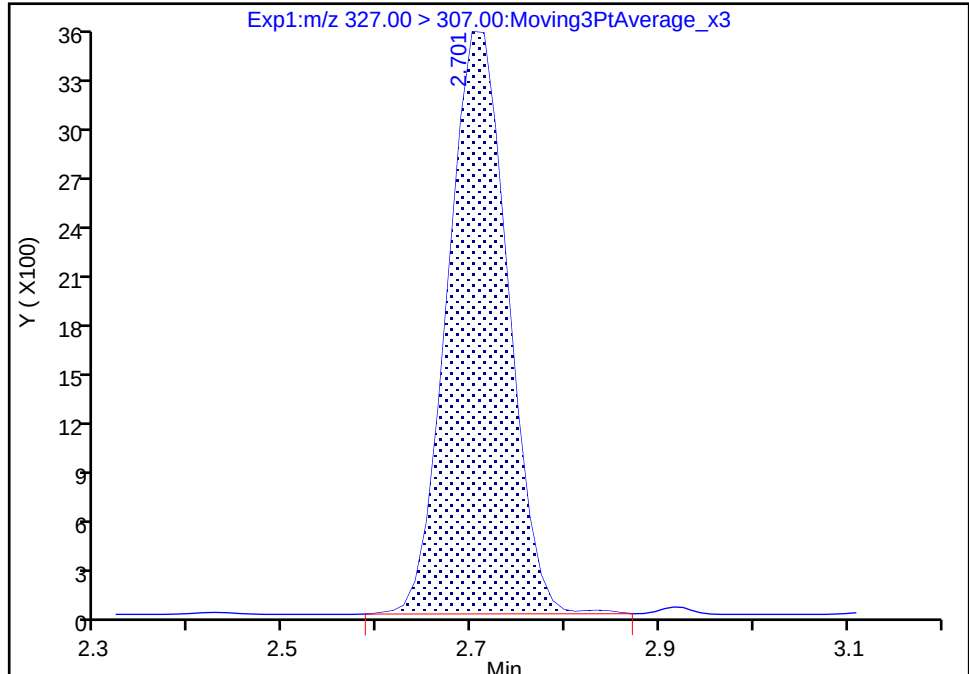
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A05.d
Injection Date: 09-Aug-2022 16:23:57 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

61 1H,1H,2H,2H-perfluorohexanesulfo, CAS: 757124-72-4

Signal: 1

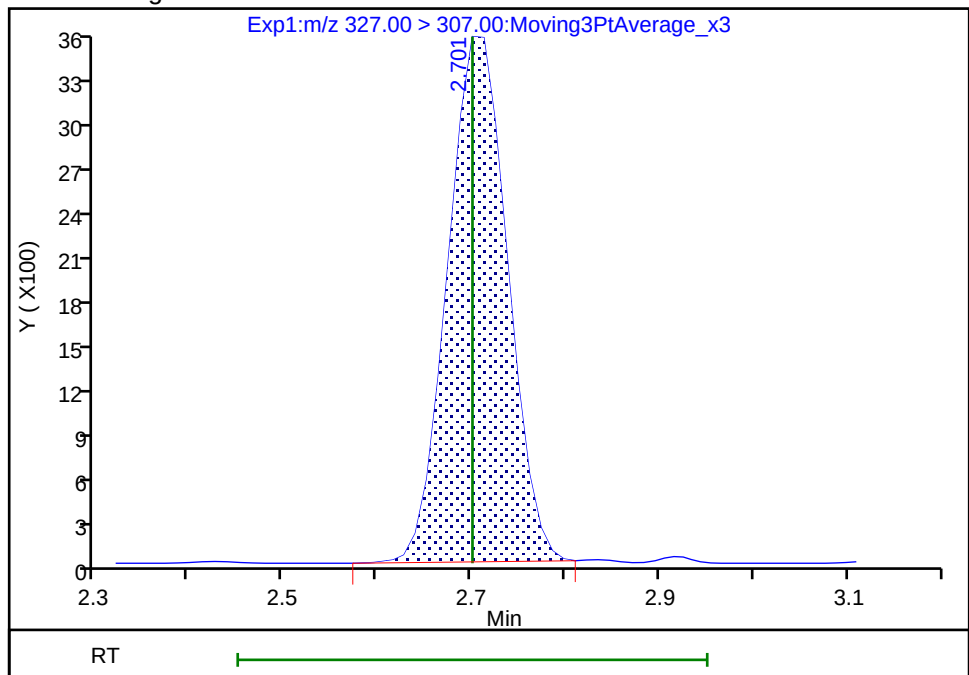
RT: 2.70
Area: 15829
Amount: 0.049428
Amount Units: ng/ml

Processing Integration Results



RT: 2.70
Area: 15697
Amount: 0.049417
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:00:39

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A05.d

Injection Date: 09-Aug-2022 16:23:57

Instrument ID: LC812

Lims ID: CCVLIS

Client ID:

Operator ID: lc812tech

ALS Bottle#:

2

Worklist Smp#: 5

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

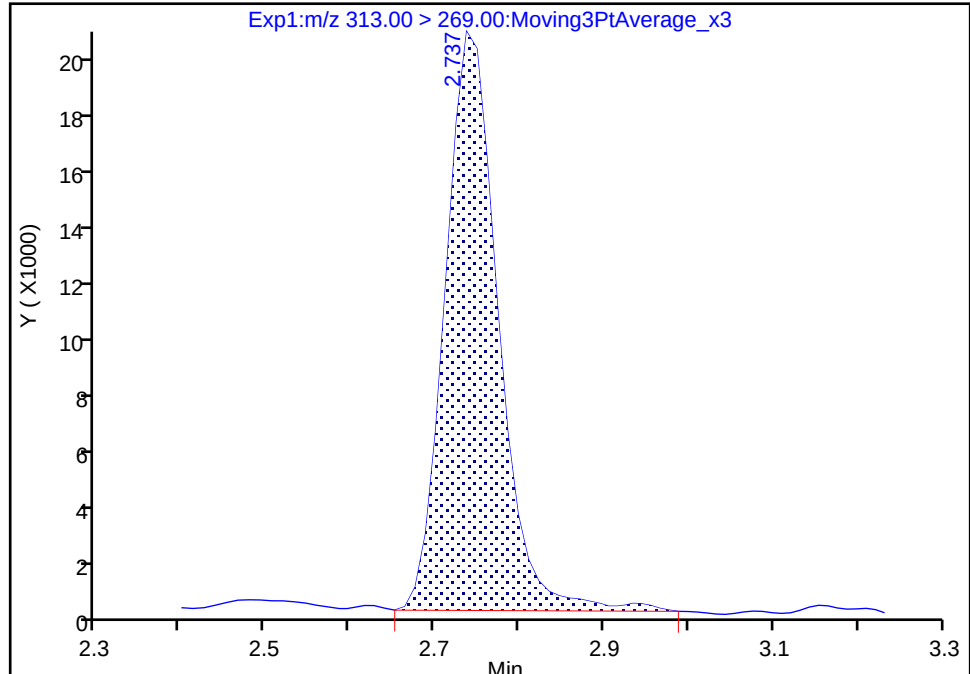
Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

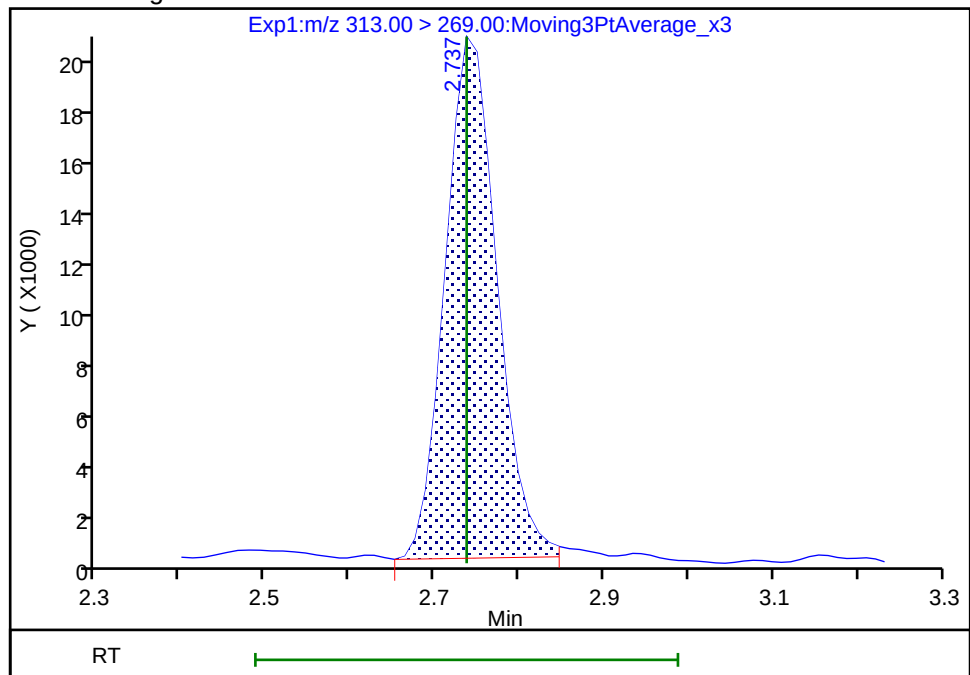
RT: 2.74
Area: 87068
Amount: 0.056362
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 84281
Amount: 0.054557
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:00:51

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

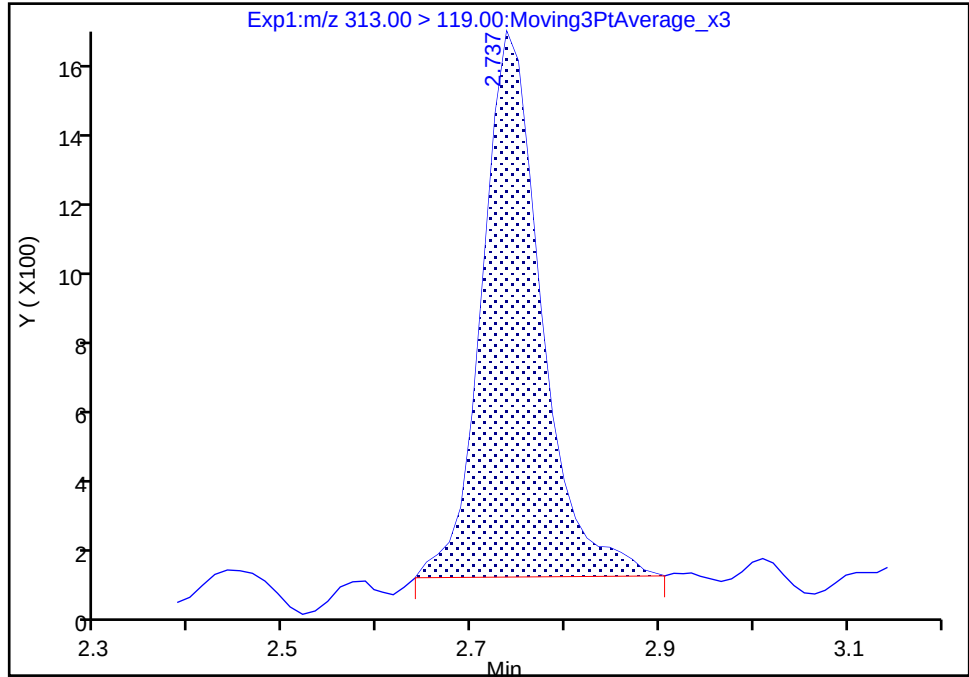
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A05.d
Injection Date: 09-Aug-2022 16:23:57 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

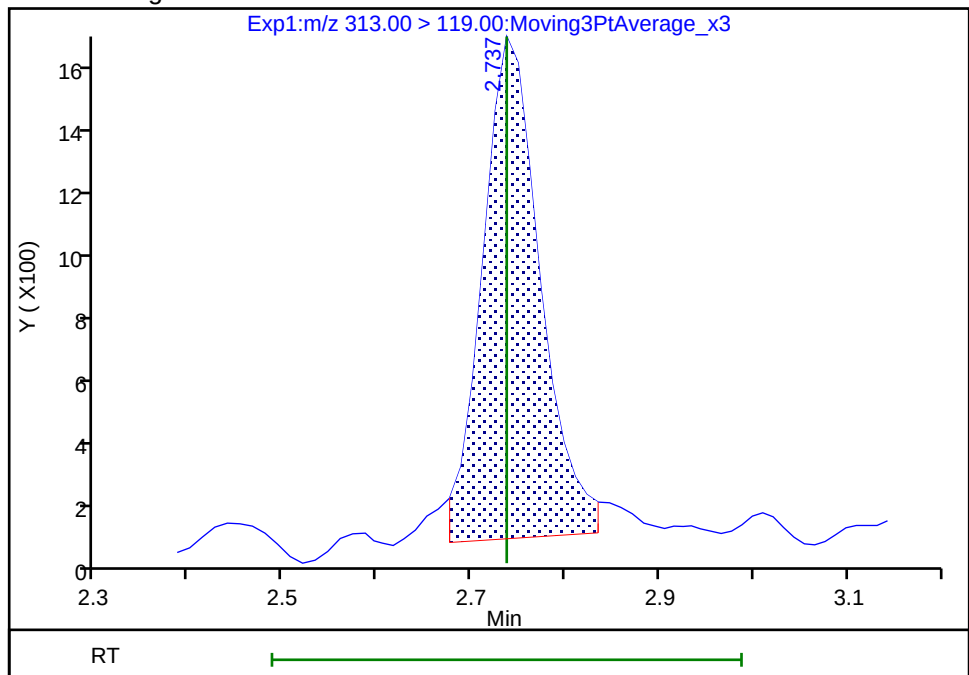
RT: 2.74
Area: 6470
Amount: 0.056362
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 6411
Amount: 0.054557
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:00:54

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

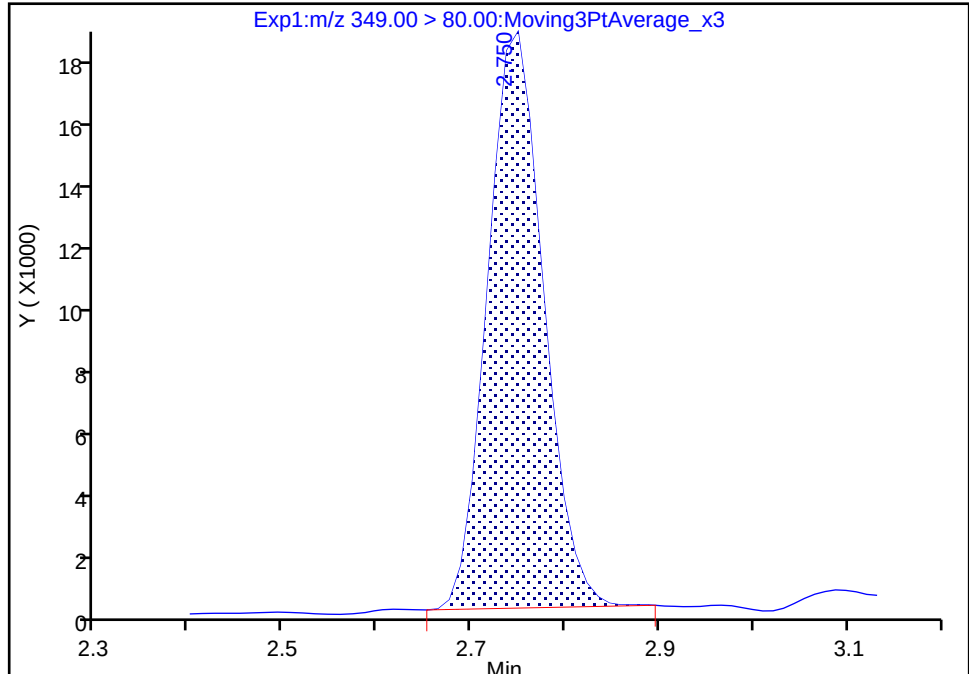
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A05.d
Injection Date: 09-Aug-2022 16:23:57 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 1

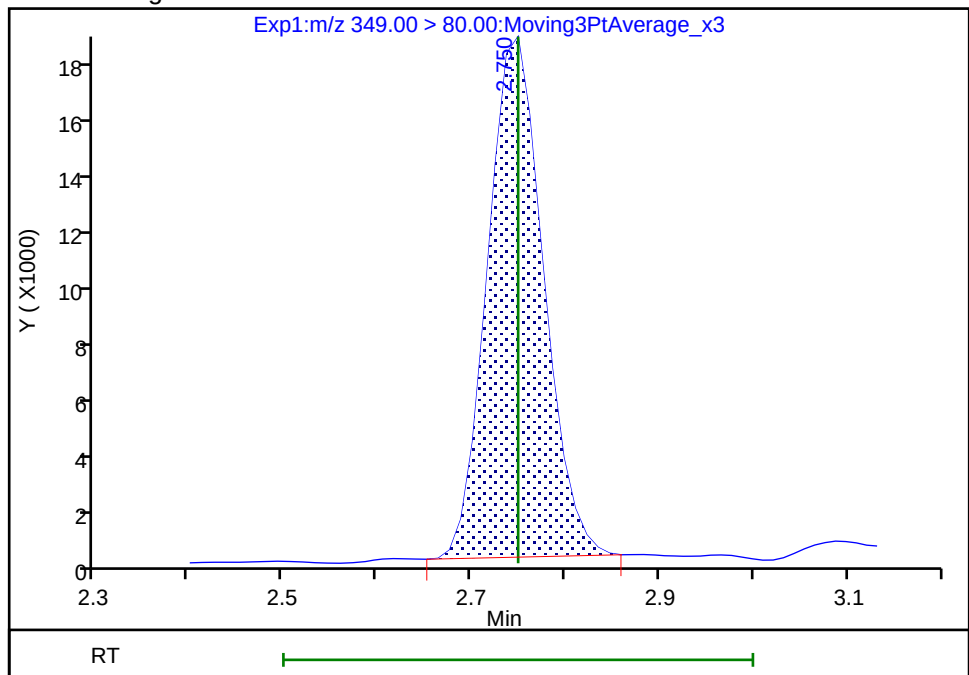
RT: 2.75
Area: 76036
Amount: 0.046687
Amount Units: ng/ml

Processing Integration Results



RT: 2.75
Area: 75791
Amount: 0.046536
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:01:02

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

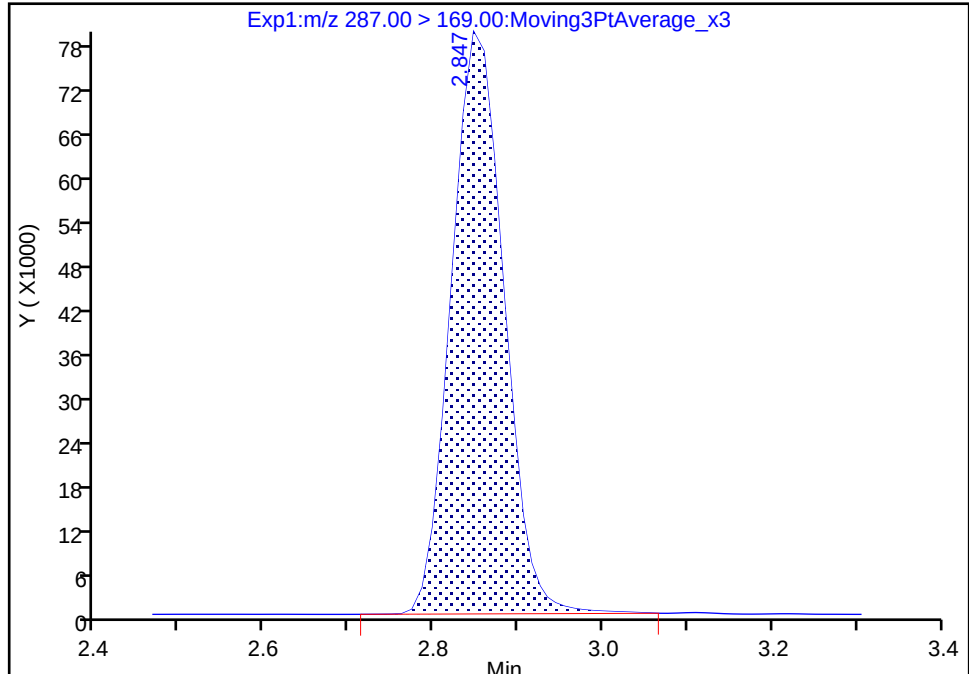
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A05.d
Injection Date: 09-Aug-2022 16:23:57 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 64 13C3 HFPO-DA, CAS: STL02255

Signal: 1

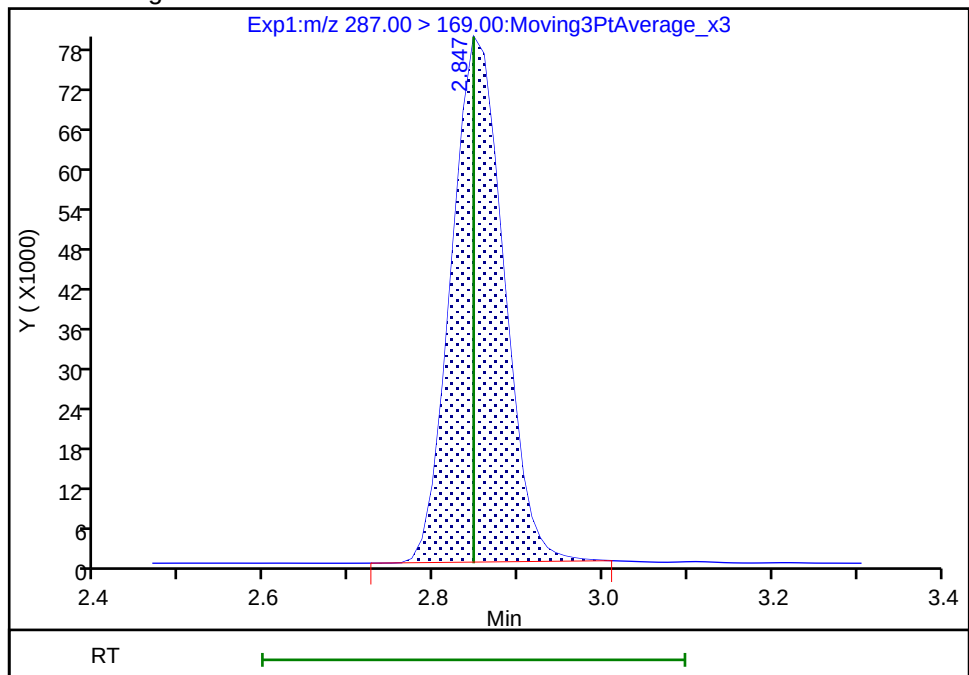
RT: 2.85
Area: 343534
Amount: 1.206689
Amount Units: ng/ml

Processing Integration Results



RT: 2.85
Area: 340862
Amount: 1.197304
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:35:38
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

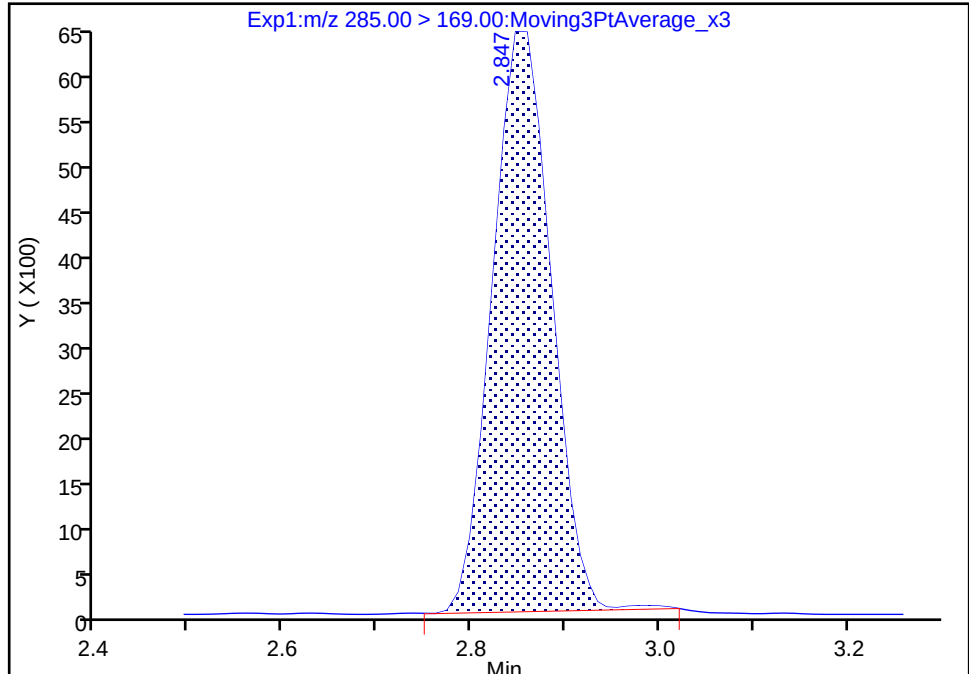
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A05.d
Injection Date: 09-Aug-2022 16:23:57 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

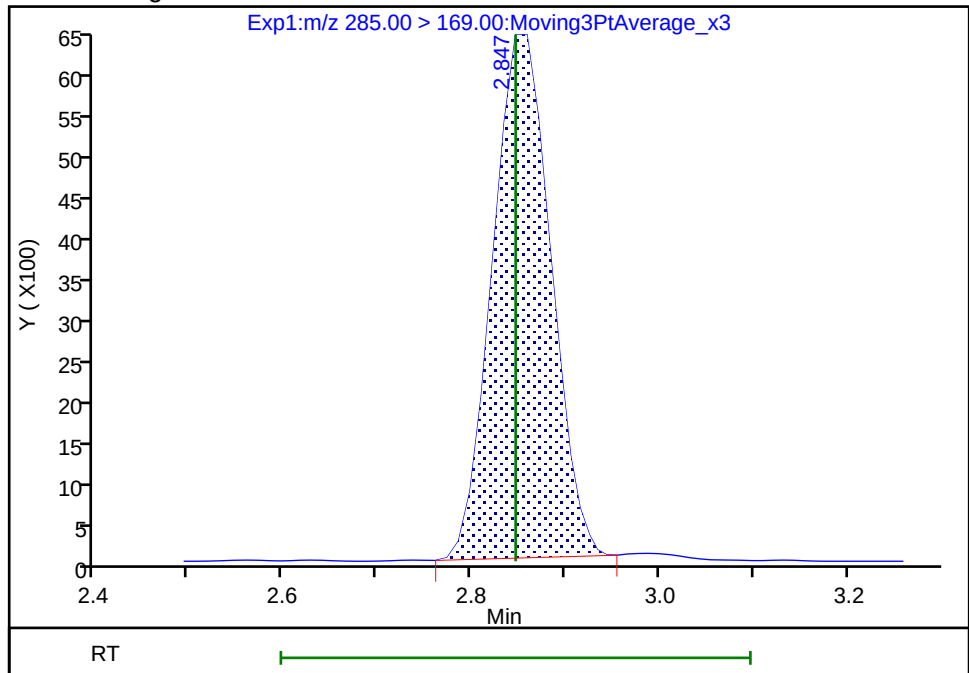
RT: 2.85
Area: 28055
Amount: 0.095002
Amount Units: ng/ml

Processing Integration Results



RT: 2.85
Area: 27790
Amount: 0.094842
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:01:08

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

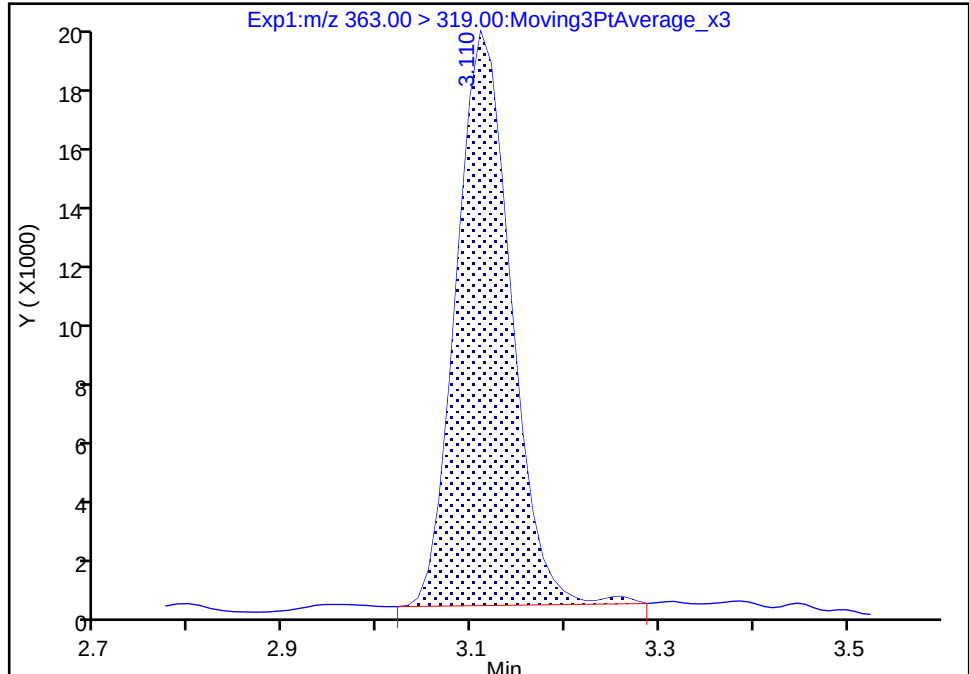
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A05.d
Injection Date: 09-Aug-2022 16:23:57 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

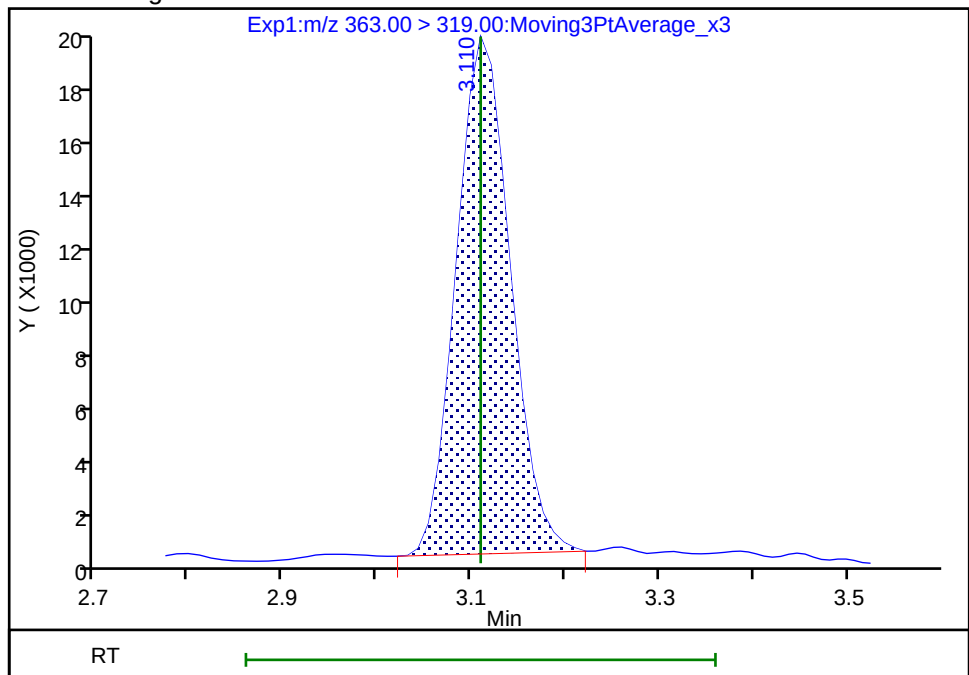
RT: 3.11
Area: 76843
Amount: 0.049857
Amount Units: ng/ml

Processing Integration Results



RT: 3.11
Area: 75595
Amount: 0.049047
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:01:27

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

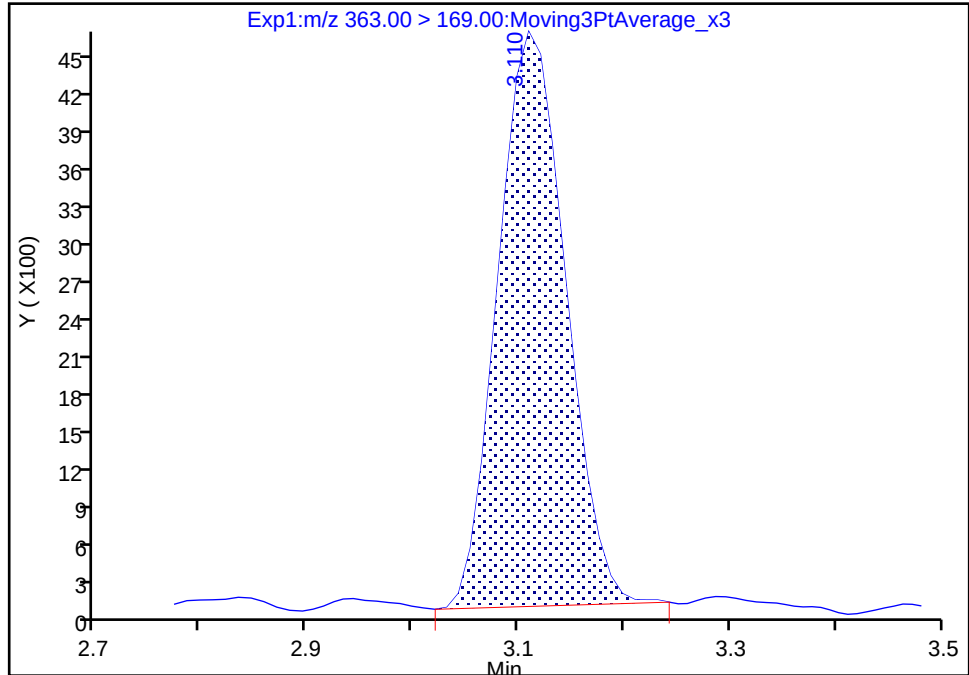
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A05.d
Injection Date: 09-Aug-2022 16:23:57 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

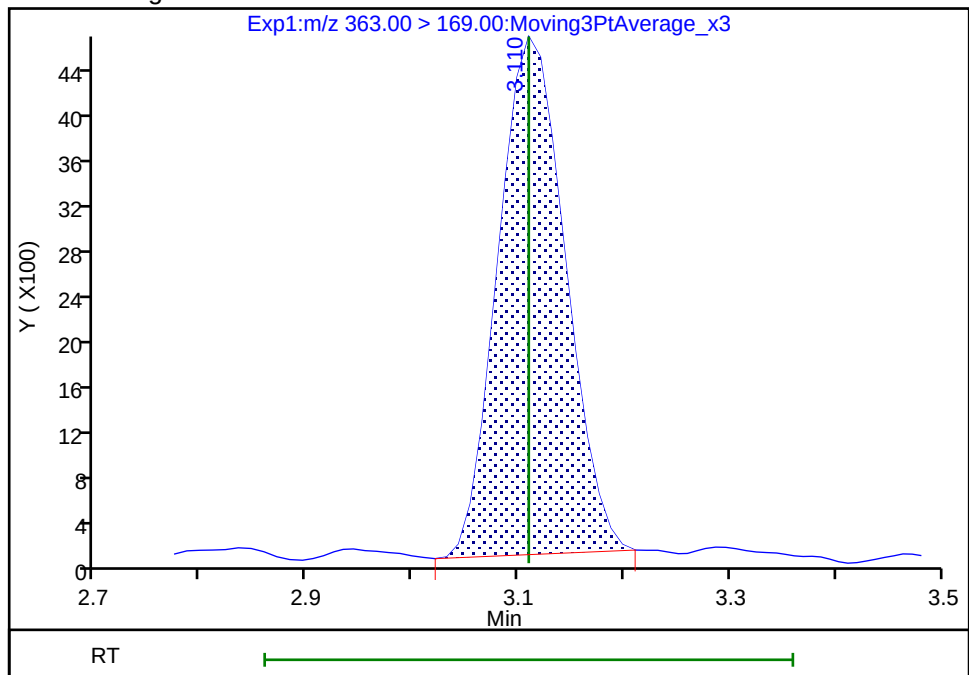
RT: 3.11
Area: 20453
Amount: 0.049857
Amount Units: ng/ml

Processing Integration Results



RT: 3.11
Area: 20262
Amount: 0.049047
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:01:33

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

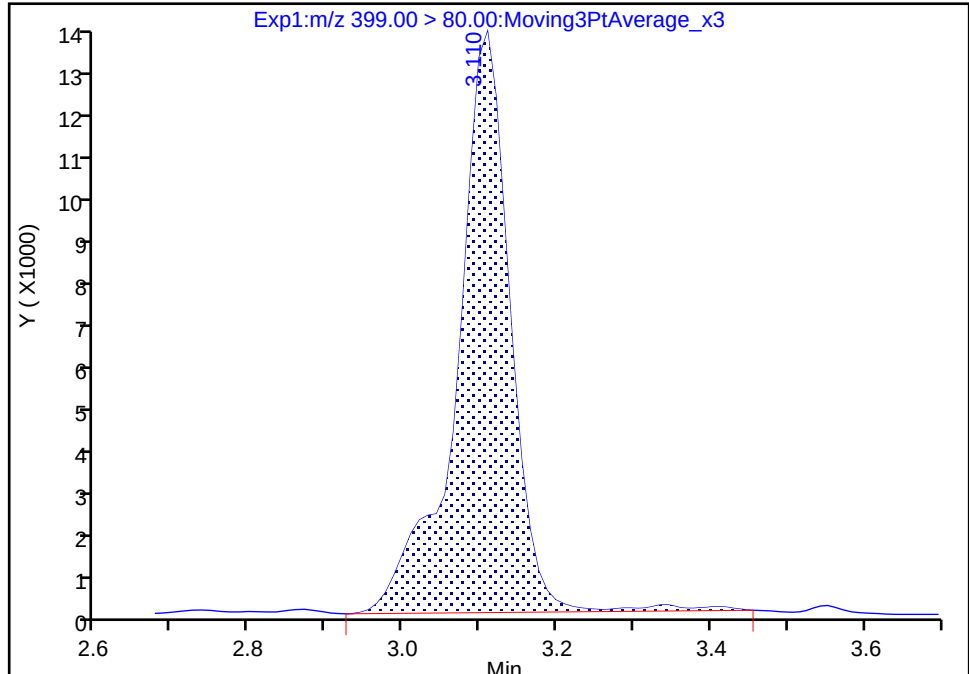
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A05.d
Injection Date: 09-Aug-2022 16:23:57 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

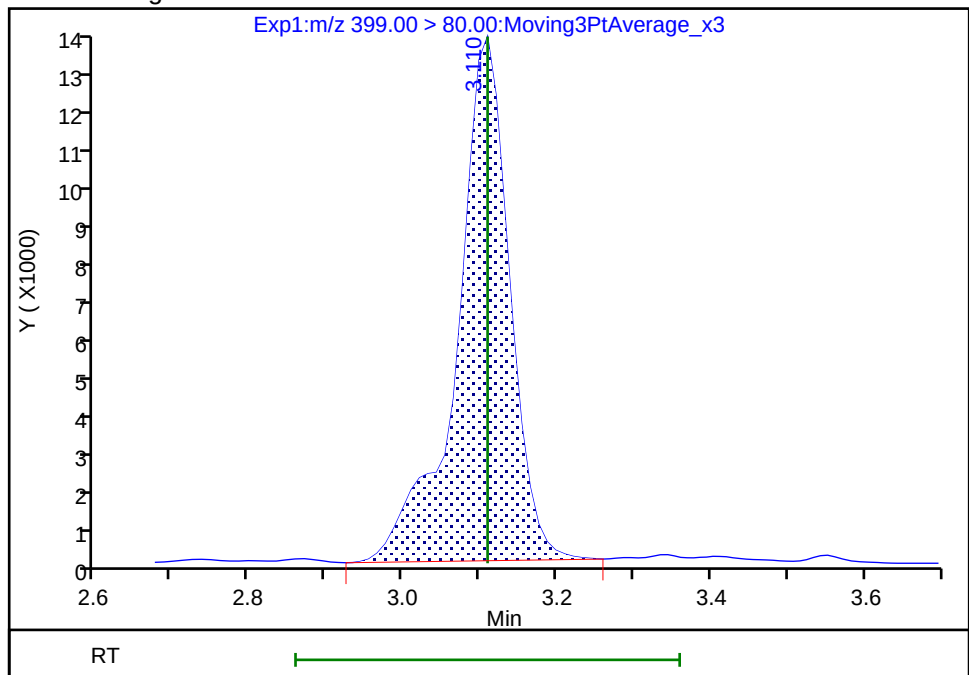
RT: 3.11
Area: 66309
Amount: 0.047863
Amount Units: ng/ml

Processing Integration Results



RT: 3.11
Area: 65011
Amount: 0.046926
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:01:12

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

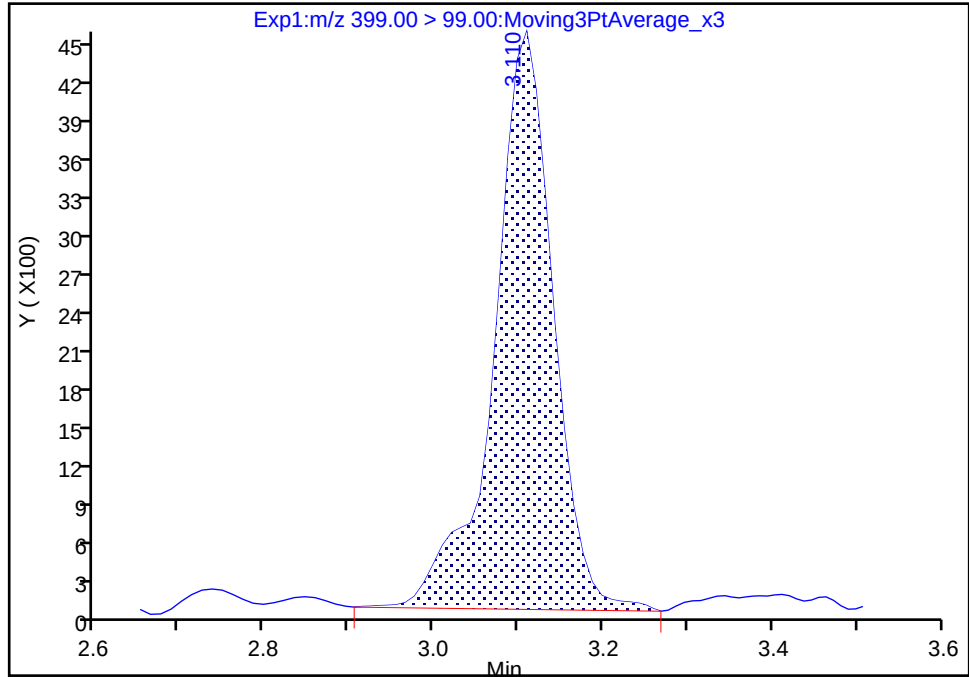
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A05.d
Injection Date: 09-Aug-2022 16:23:57 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

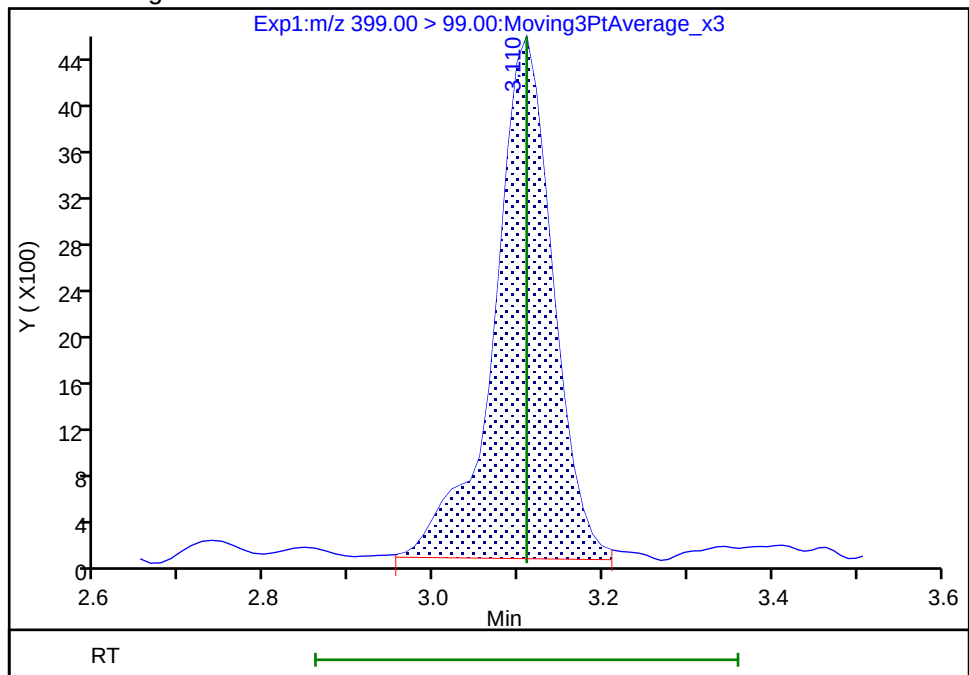
RT: 3.11
Area: 21930
Amount: 0.047863
Amount Units: ng/ml

Processing Integration Results



RT: 3.11
Area: 21701
Amount: 0.046926
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:01:20

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

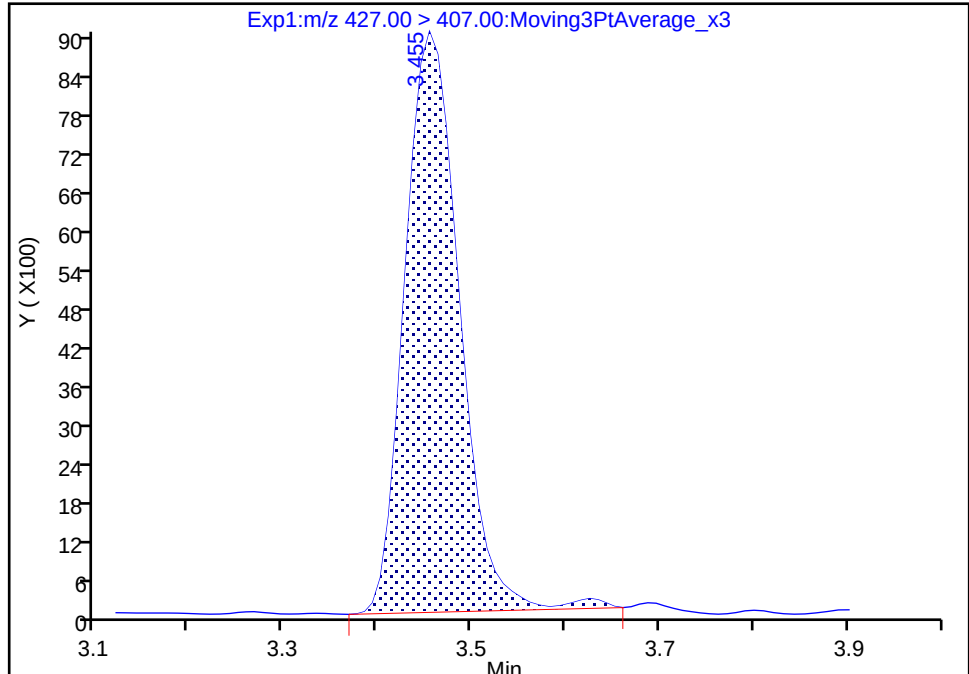
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A05.d
Injection Date: 09-Aug-2022 16:23:57 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

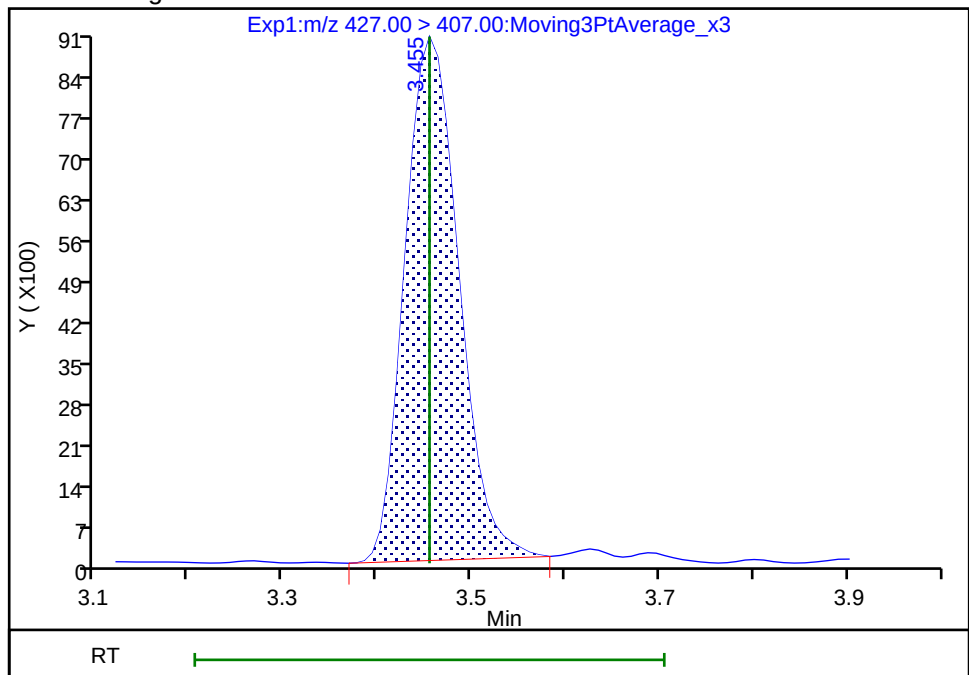
RT: 3.46
Area: 36410
Amount: 0.112460
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 35771
Amount: 0.110191
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:01:39

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

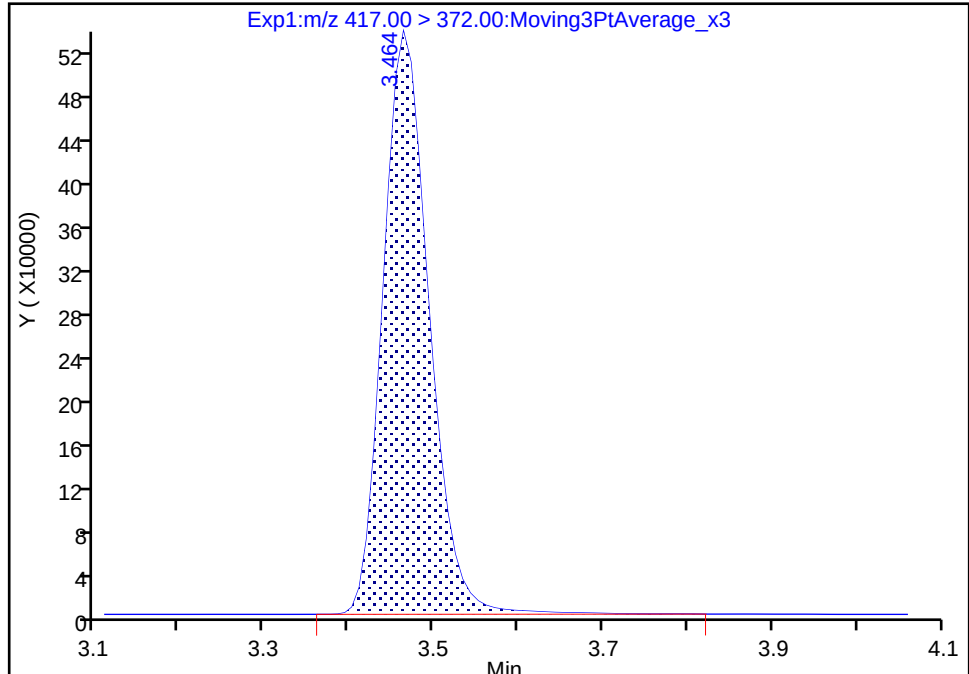
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A05.d
Injection Date: 09-Aug-2022 16:23:57 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 14 13C4 PFOA, CAS: STL00990

Signal: 1

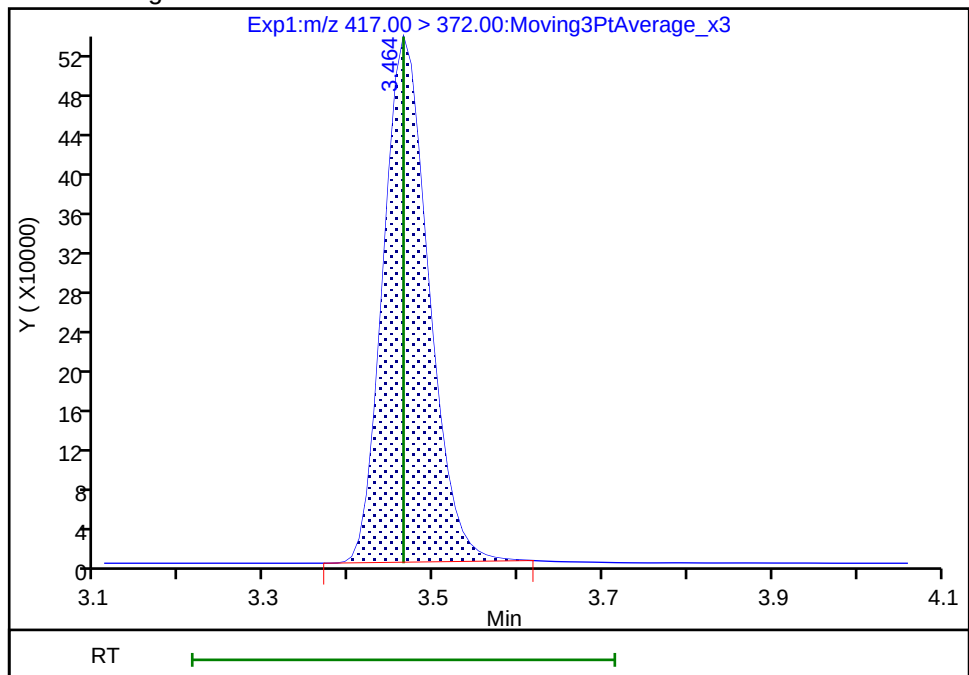
RT: 3.46
Area: 2009422
Amount: 1.249910
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 1981570
Amount: 1.232585
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:35:51

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

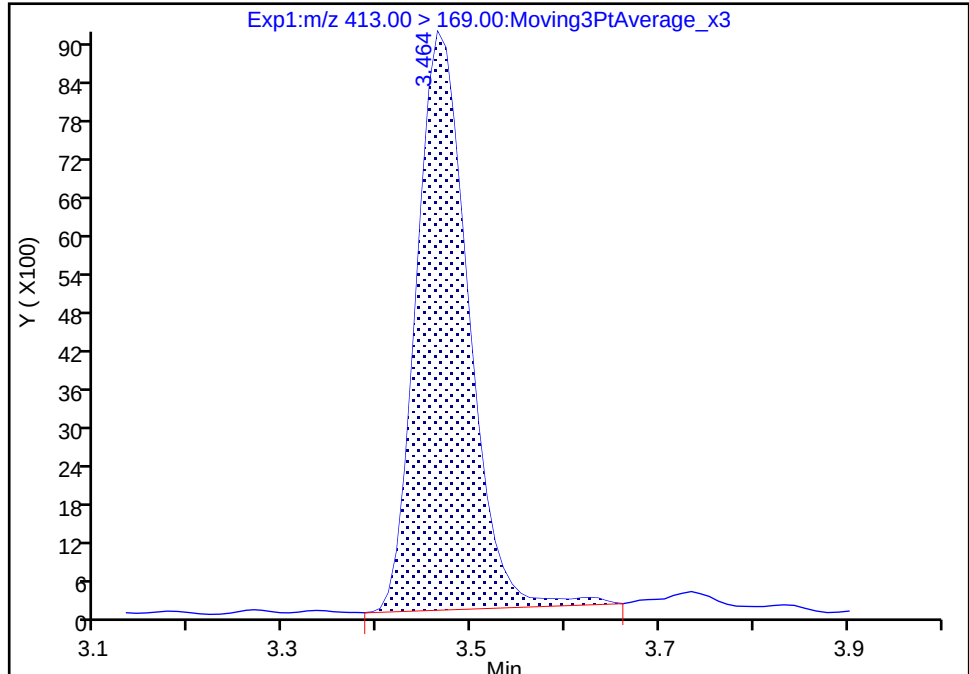
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A05.d
Injection Date: 09-Aug-2022 16:23:57 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

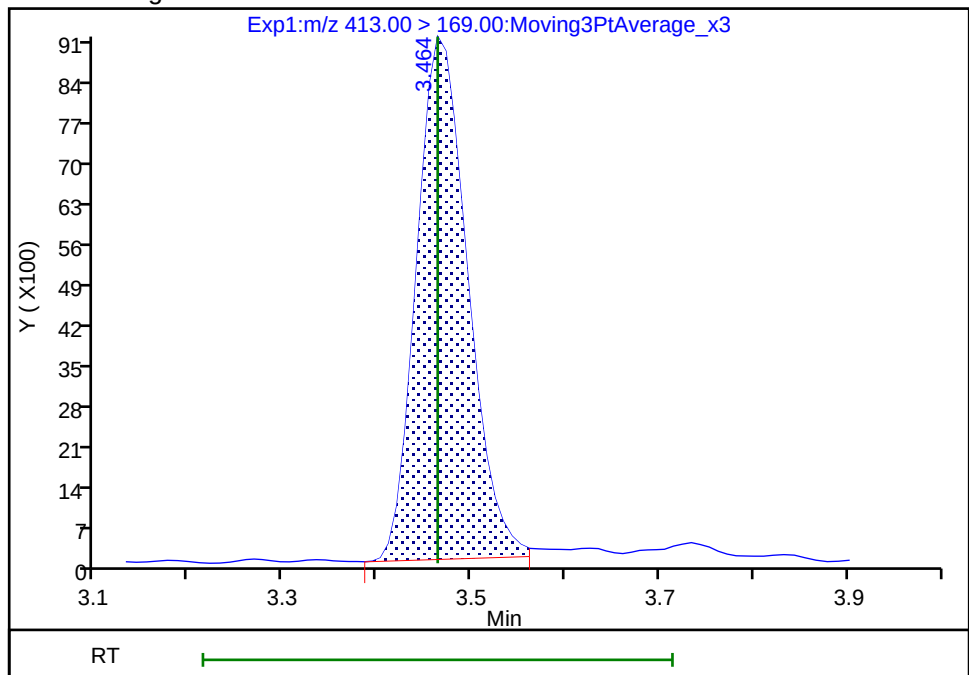
RT: 3.46
Area: 34874
Amount: 0.051560
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 34308
Amount: 0.052285
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:02:18

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

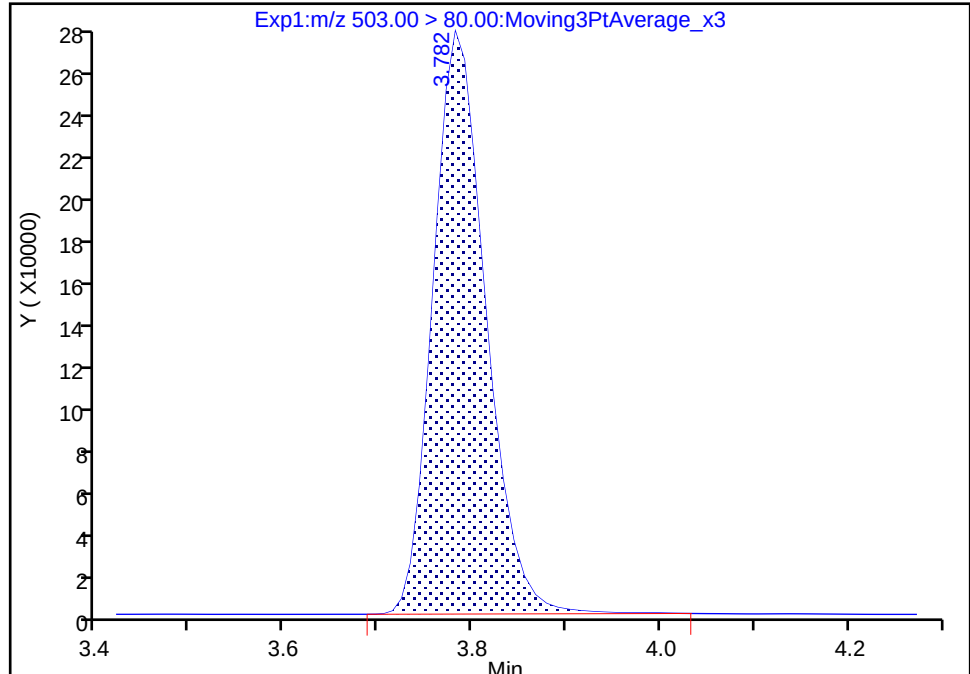
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A05.d
Injection Date: 09-Aug-2022 16:23:57 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 18 13C4 PFOS, CAS: STL00991

Signal: 1

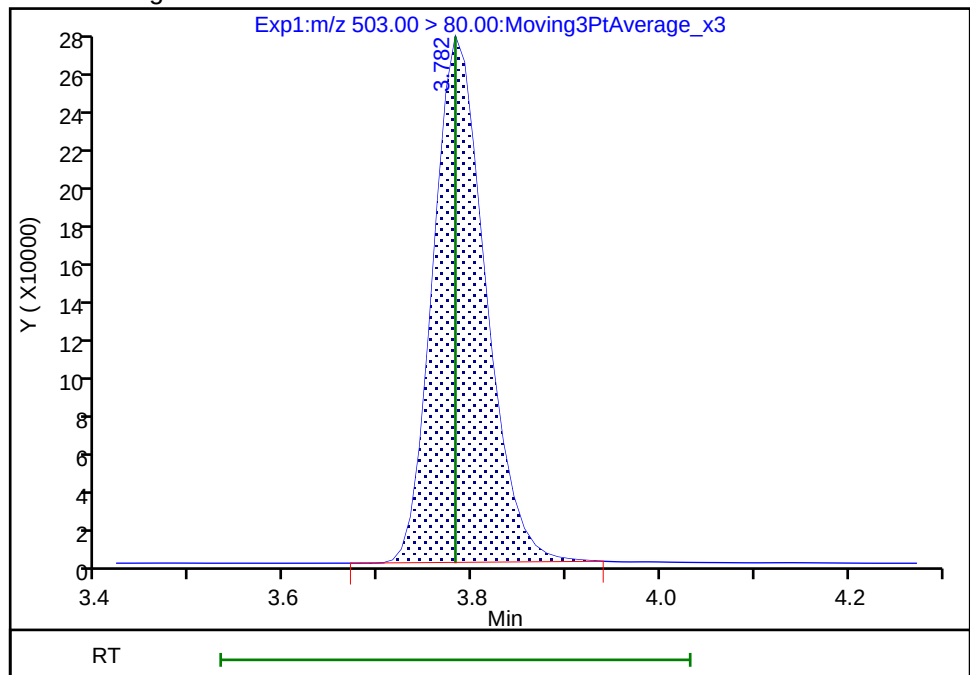
RT: 3.78
Area: 1058250
Amount: 1.149501
Amount Units: ng/ml

Processing Integration Results



RT: 3.78
Area: 1050784
Amount: 1.141391
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:36:01
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

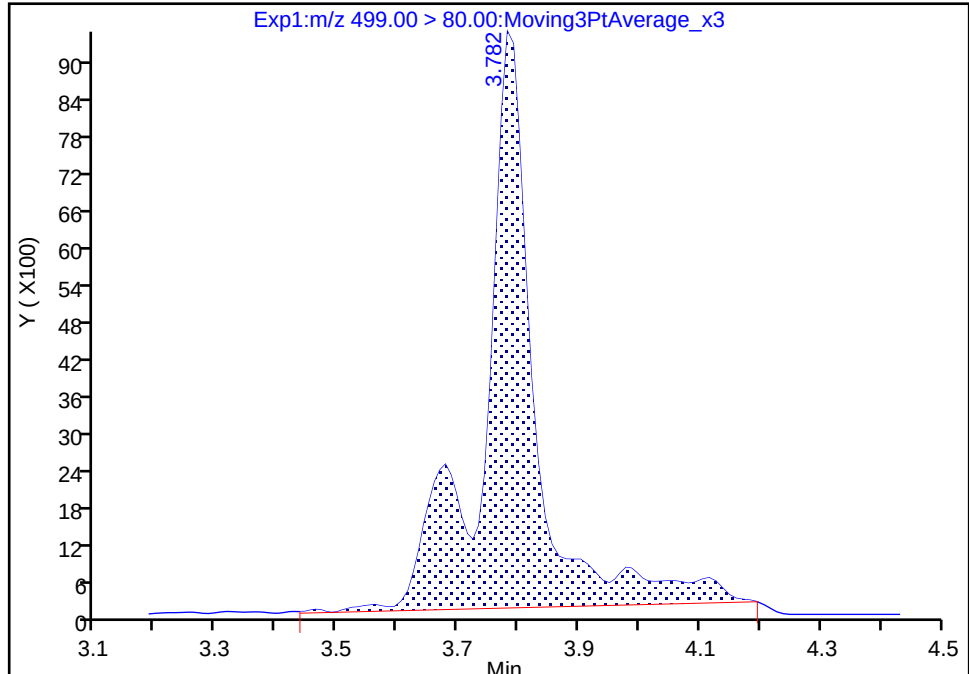
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A05.d
Injection Date: 09-Aug-2022 16:23:57 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

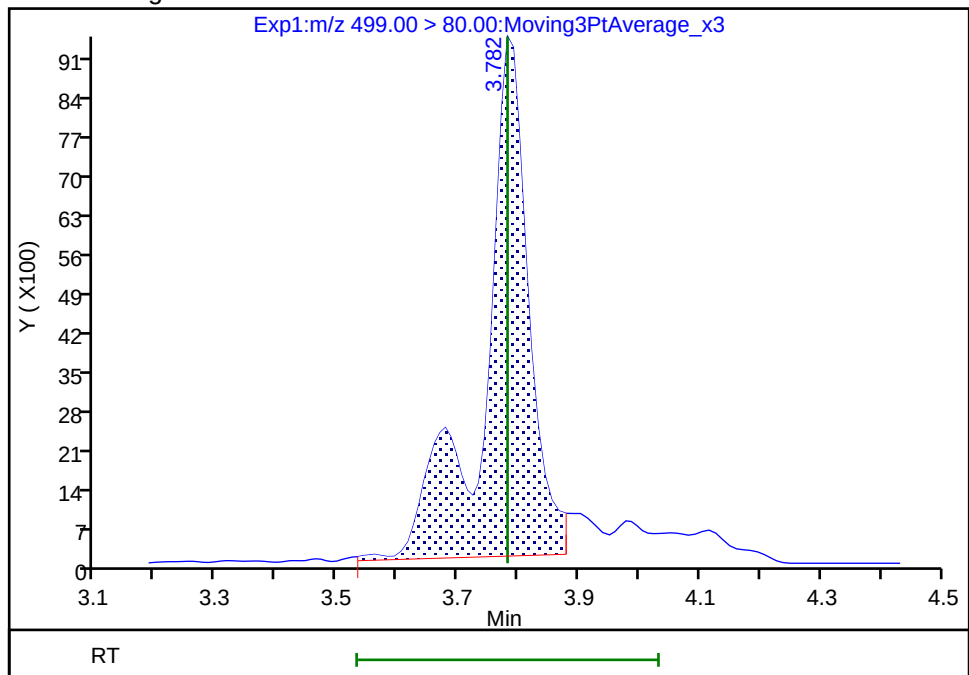
RT: 3.78
Area: 56014
Amount: 0.045101
Amount Units: ng/ml

Processing Integration Results



RT: 3.78
Area: 47930
Amount: 0.036312
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:02:38

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

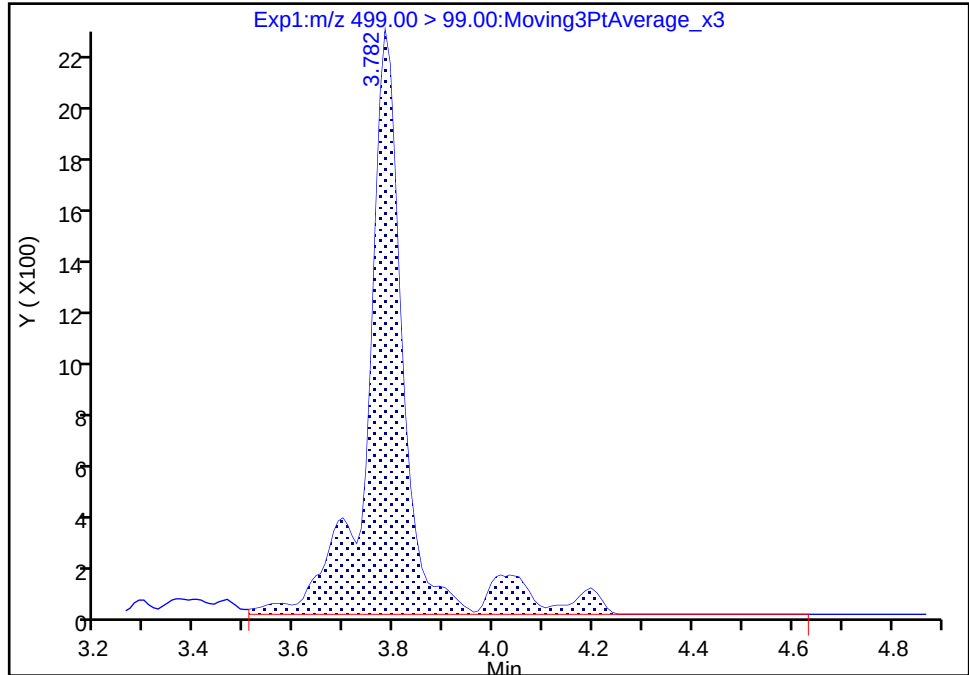
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A05.d
Injection Date: 09-Aug-2022 16:23:57 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

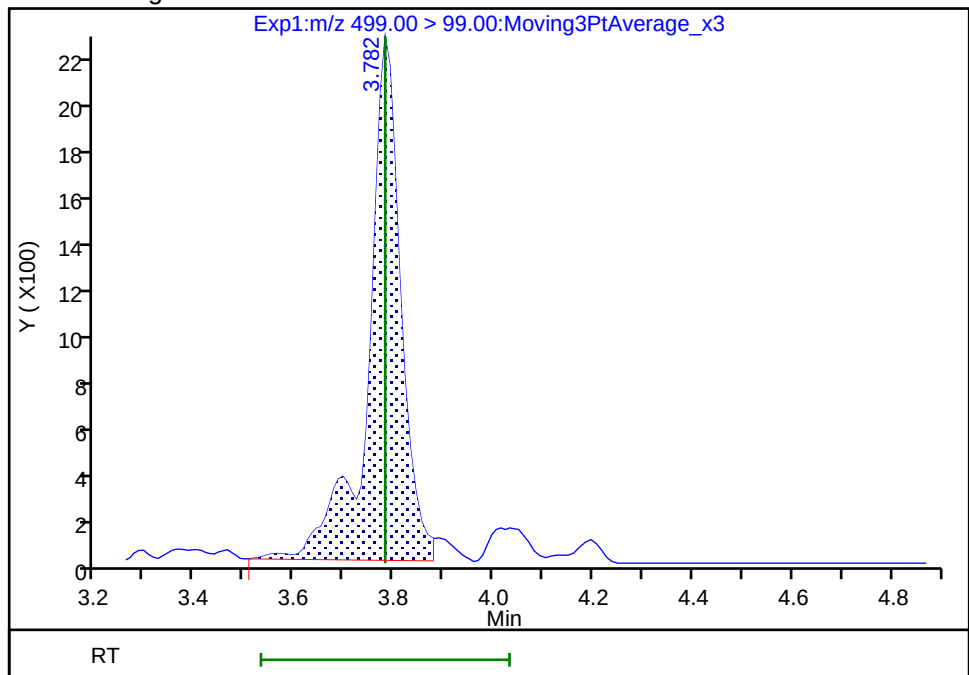
RT: 3.78
Area: 12330
Amount: 0.045101
Amount Units: ng/ml

Processing Integration Results



RT: 3.78
Area: 10429
Amount: 0.036312
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:02:50

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

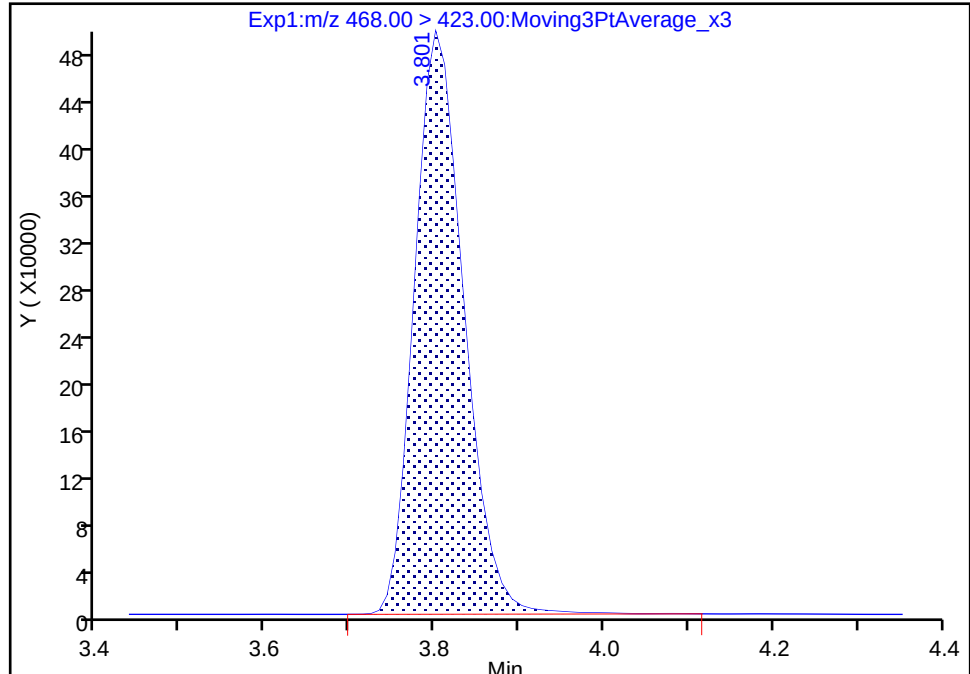
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A05.d
Injection Date: 09-Aug-2022 16:23:57 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 19 13C5 PFNA, CAS: STL00995

Signal: 1

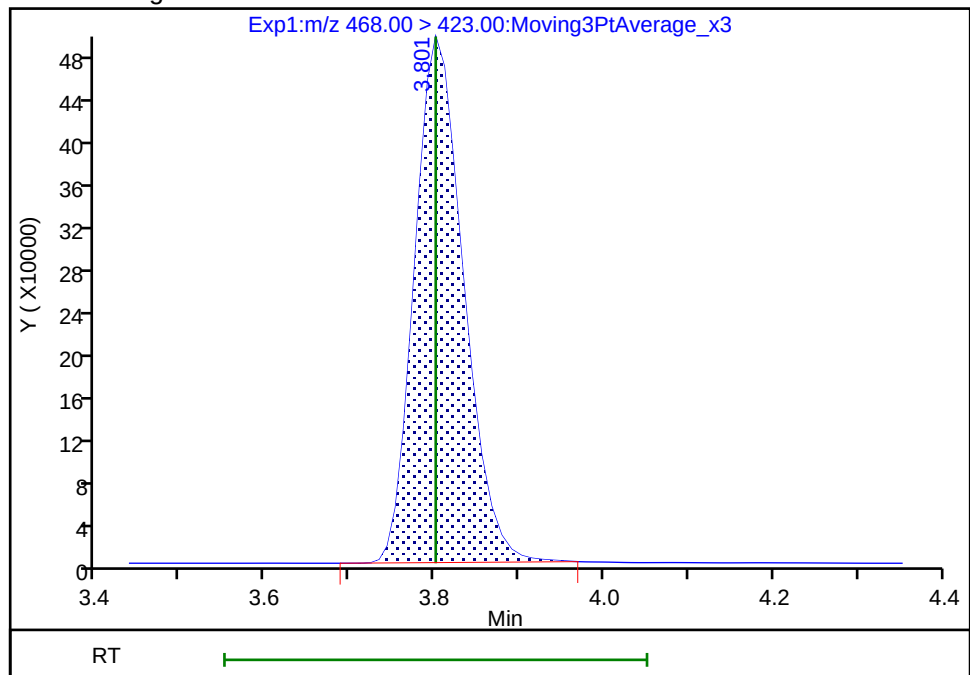
RT: 3.80
Area: 2012570
Amount: 1.205831
Amount Units: ng/ml

Processing Integration Results



RT: 3.80
Area: 1998701
Amount: 1.197522
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:36:20

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

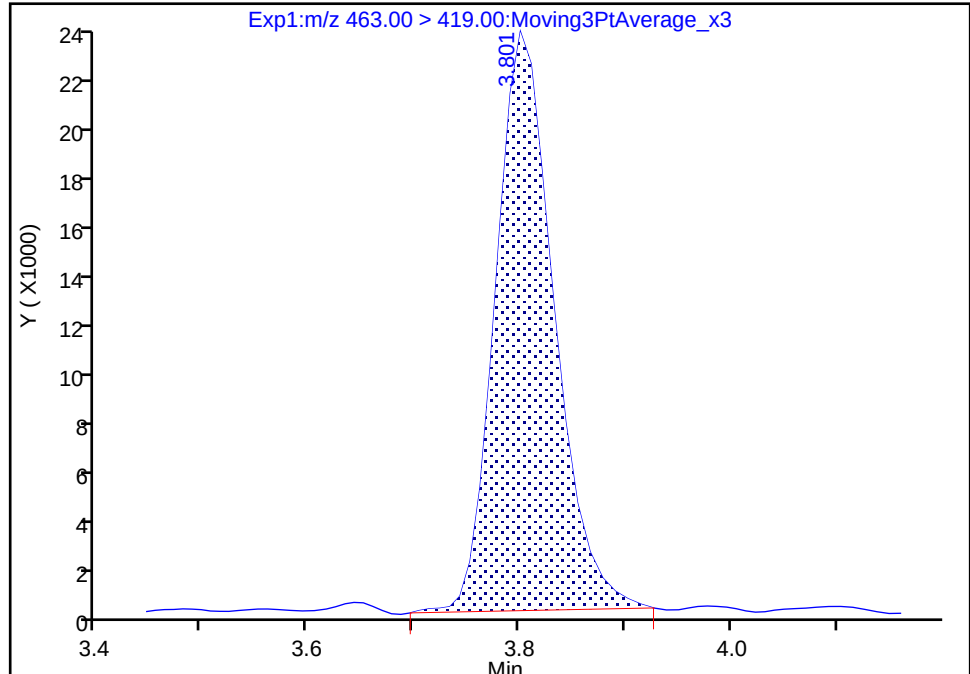
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A05.d
Injection Date: 09-Aug-2022 16:23:57 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

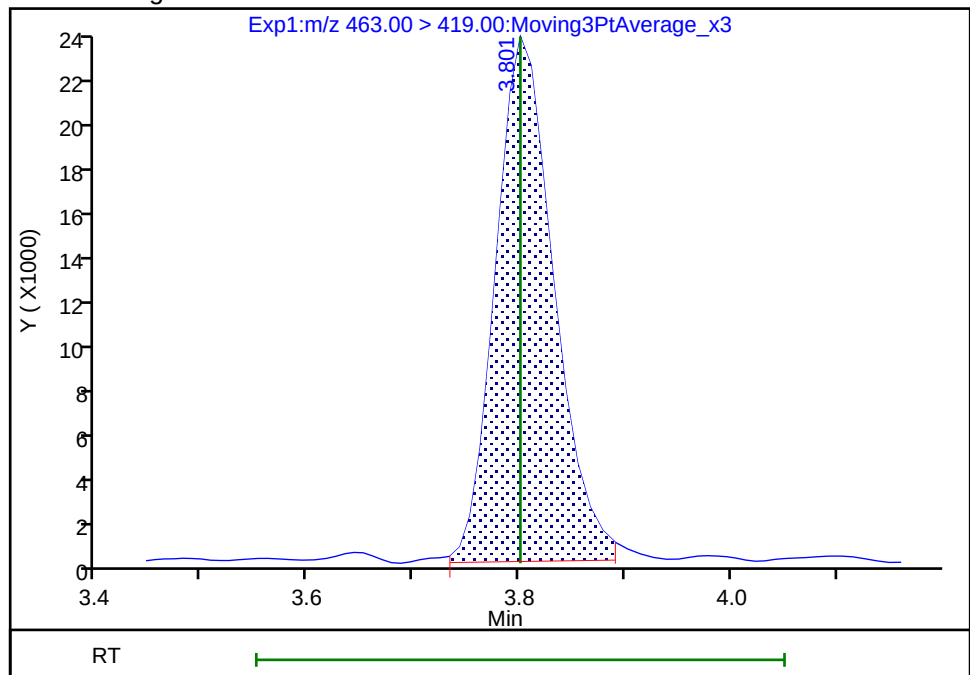
RT: 3.80
Area: 86300
Amount: 0.052679
Amount Units: ng/ml

Processing Integration Results



RT: 3.80
Area: 86066
Amount: 0.052901
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:36:16
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

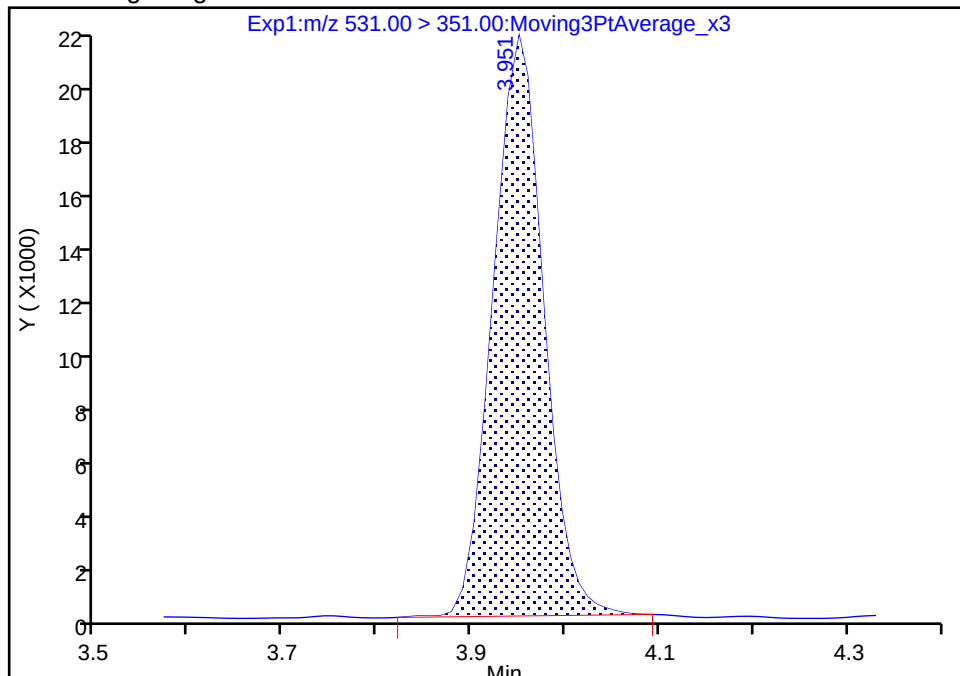
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A05.d
Injection Date: 09-Aug-2022 16:23:57 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

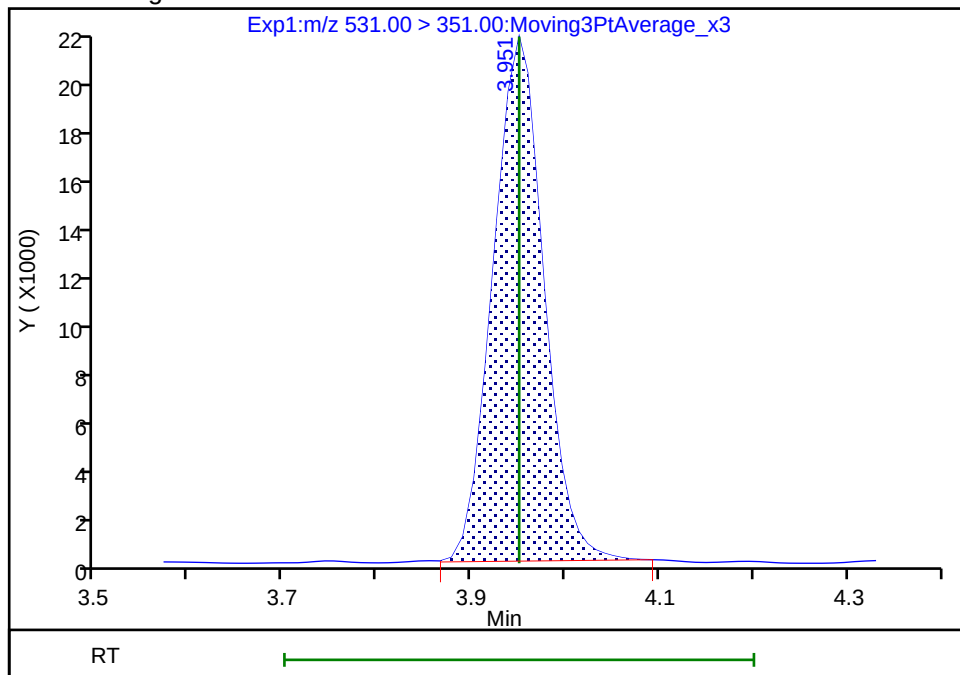
RT: 3.95
Area: 79144
Amount: 0.050952
Amount Units: ng/ml

Processing Integration Results



RT: 3.95
Area: 79059
Amount: 0.050897
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:36:32

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A05.d

Injection Date: 09-Aug-2022 16:23:57

Instrument ID: LC812

Lims ID: CCVLIS

Client ID:

Operator ID: lc812tech

ALS Bottle#:

2

Worklist Smp#: 5

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

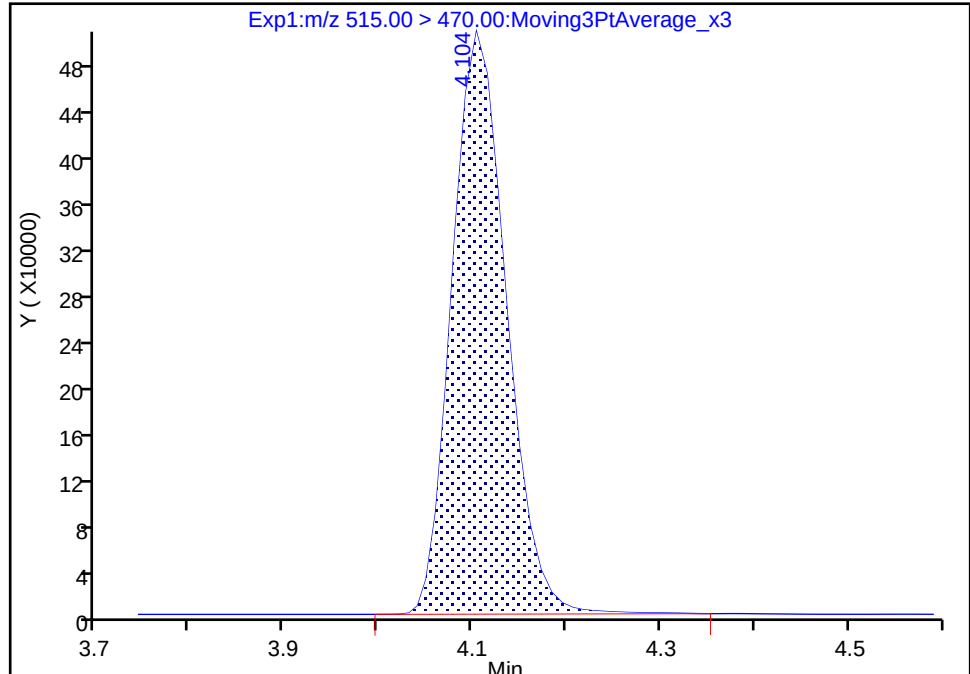
Detector: EXP1

D 23 13C2 PFDA, CAS: STL00996

Signal: 1

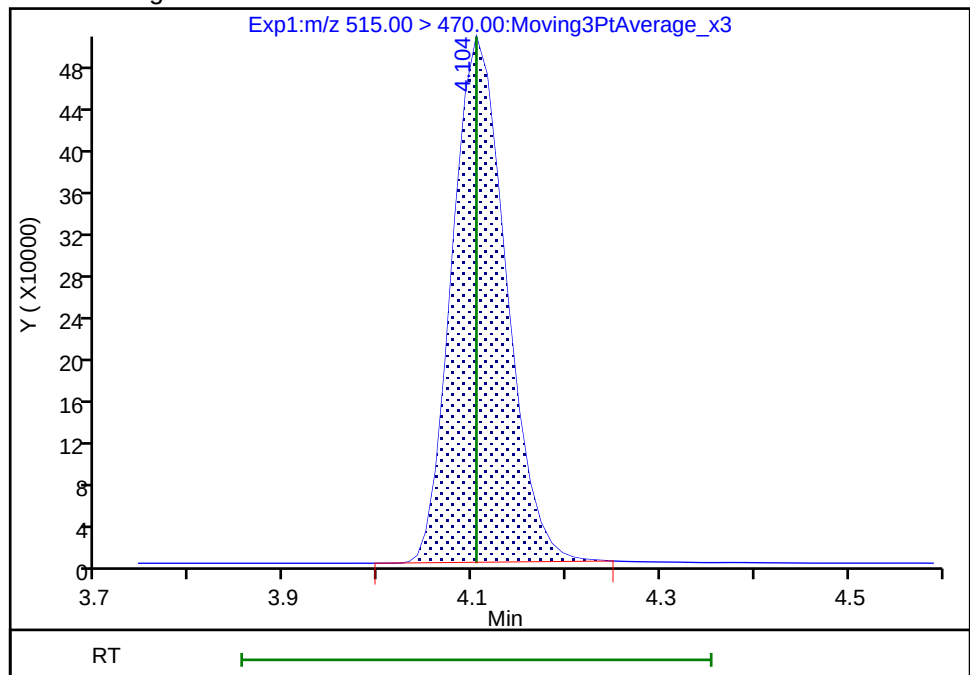
RT: 4.10
Area: 2030961
Amount: 1.250316
Amount Units: ng/ml

Processing Integration Results



RT: 4.10
Area: 2013154
Amount: 1.239353
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:36:38

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

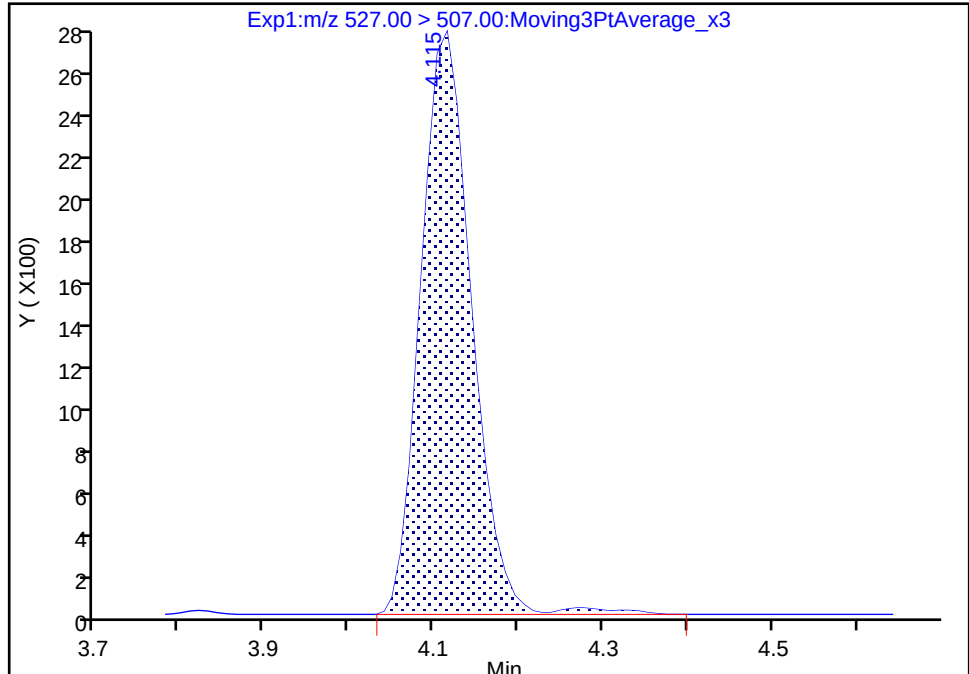
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A05.d
Injection Date: 09-Aug-2022 16:23:57 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

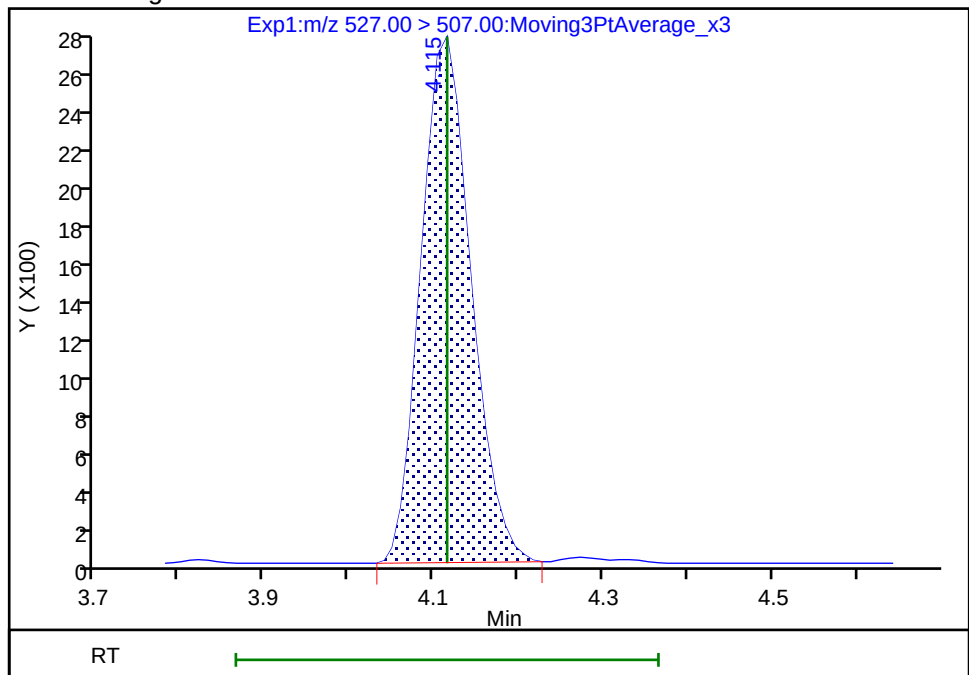
RT: 4.12
Area: 11612
Amount: 0.048091
Amount Units: ng/ml

Processing Integration Results



RT: 4.12
Area: 11413
Amount: 0.047267
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:03:04

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

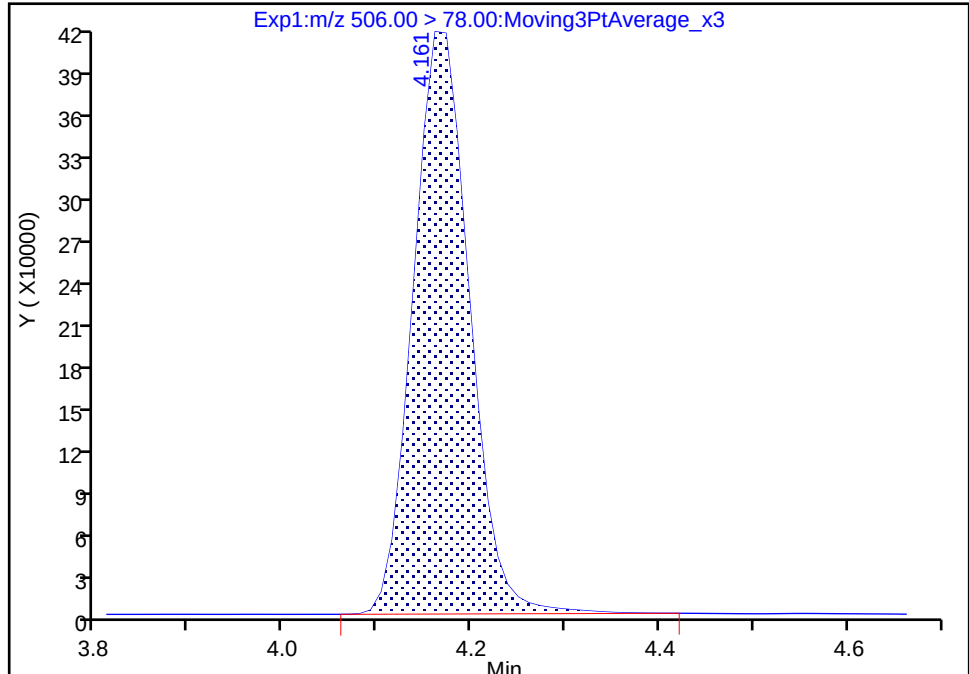
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A05.d
Injection Date: 09-Aug-2022 16:23:57 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

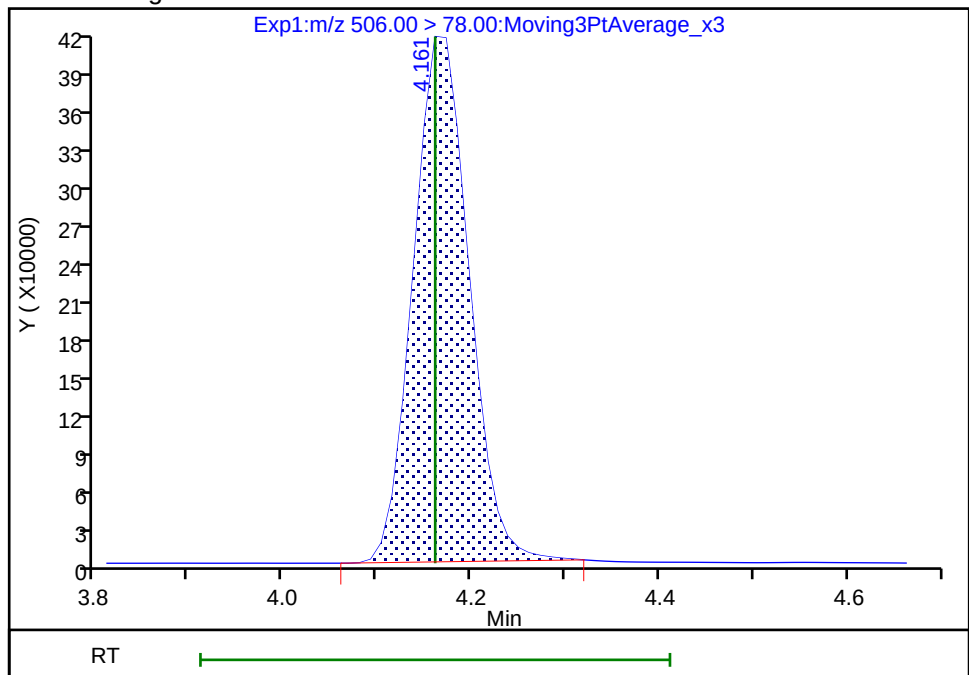
RT: 4.16
Area: 1737138
Amount: 1.221892
Amount Units: ng/ml

Processing Integration Results



RT: 4.16
Area: 1717084
Amount: 1.207786
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:36:47

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

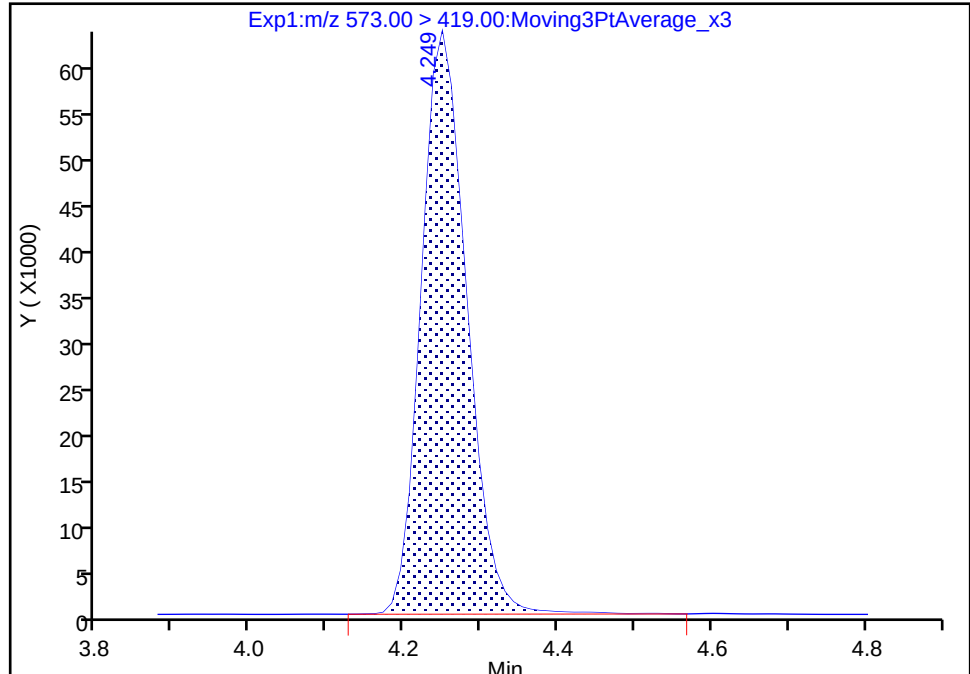
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A05.d
Injection Date: 09-Aug-2022 16:23:57 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

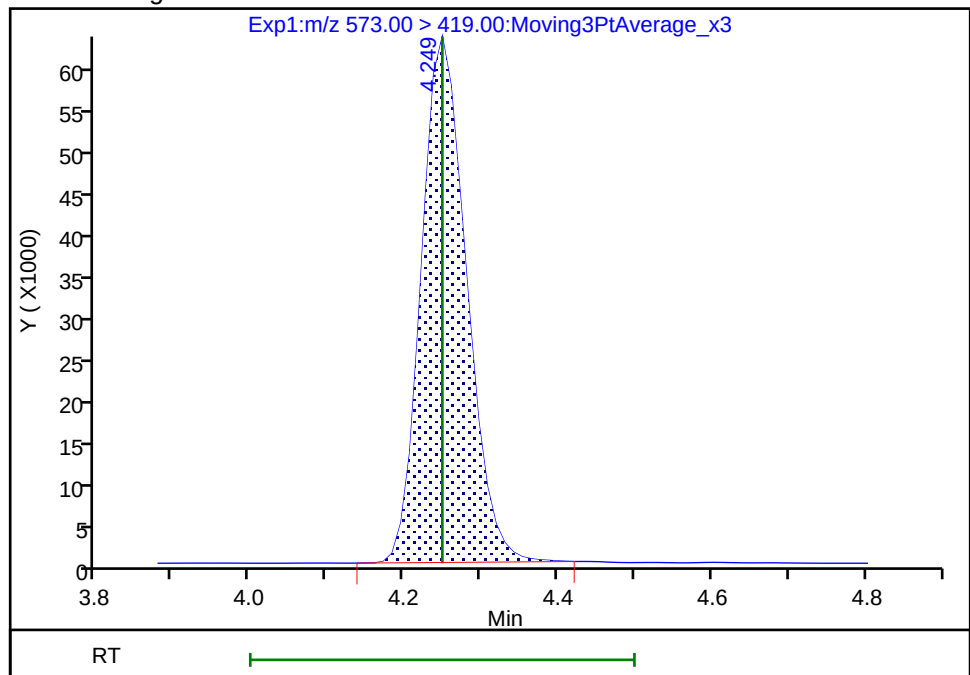
RT: 4.25
Area: 259362
Amount: 1.191289
Amount Units: ng/ml

Processing Integration Results



RT: 4.25
Area: 257199
Amount: 1.181354
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:36:53
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

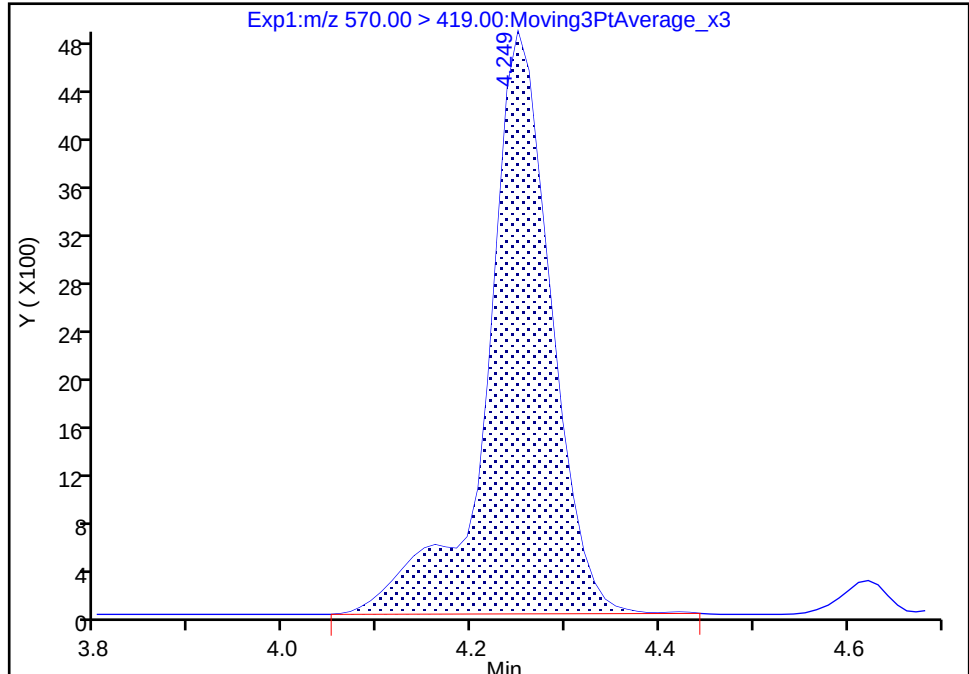
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A05.d
Injection Date: 09-Aug-2022 16:23:57 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

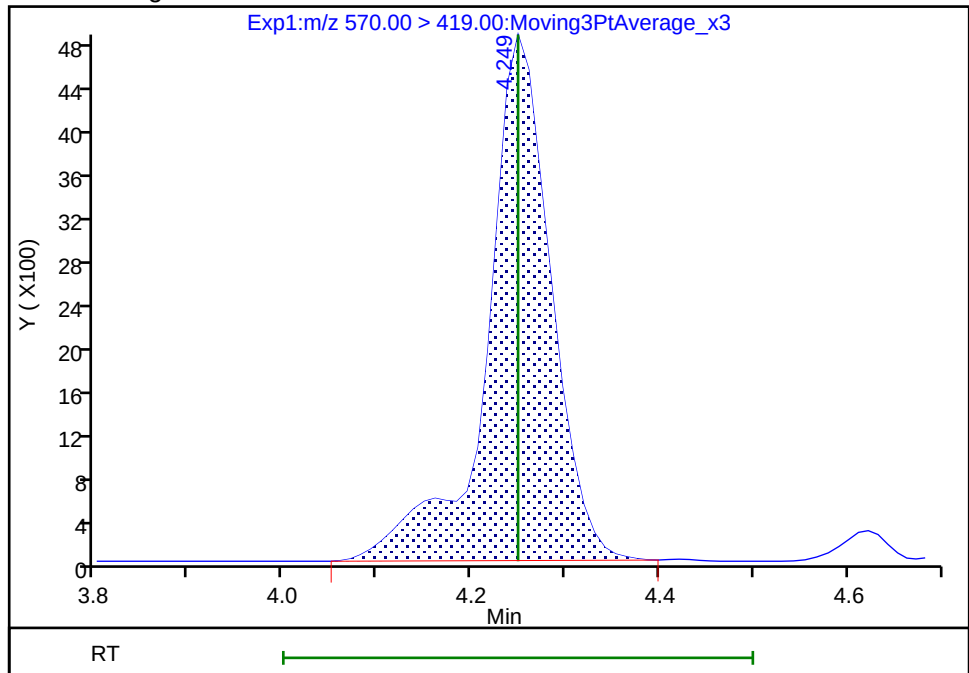
RT: 4.25
Area: 23138
Amount: 0.125879
Amount Units: ng/ml

Processing Integration Results



RT: 4.25
Area: 23077
Amount: 0.126285
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:03:13

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

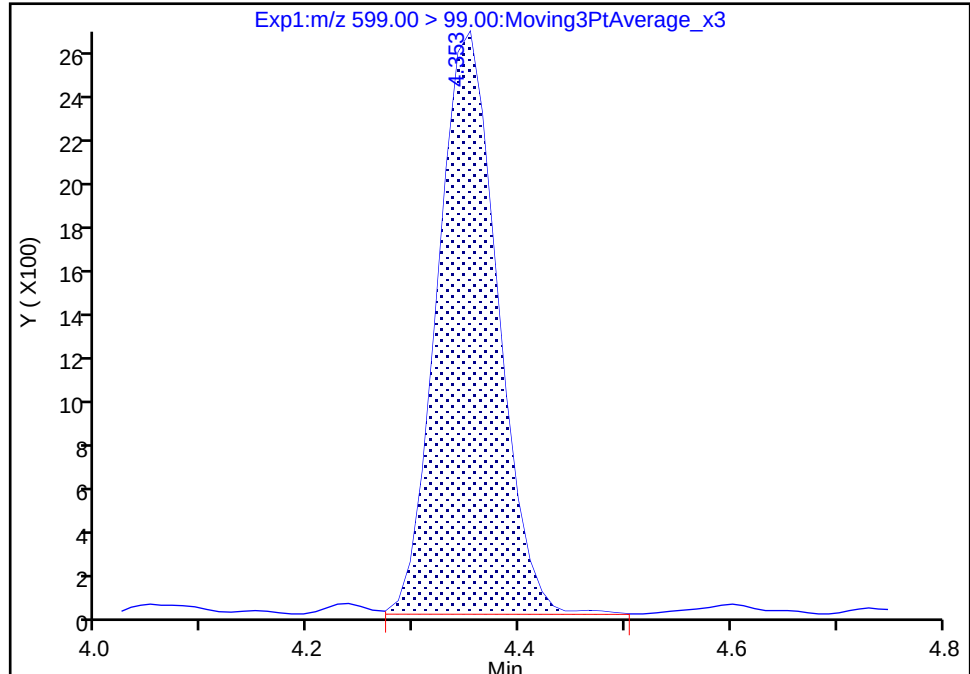
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A05.d
Injection Date: 09-Aug-2022 16:23:57 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

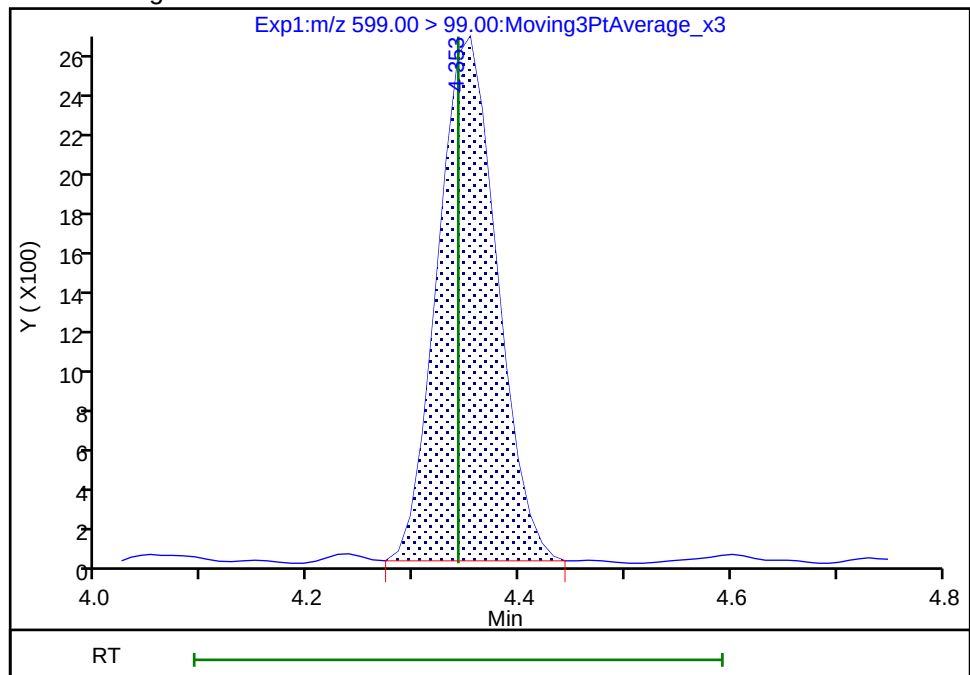
RT: 4.35
Area: 10313
Amount: 0.048432
Amount Units: ng/ml

Processing Integration Results



RT: 4.35
Area: 10134
Amount: 0.048776
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:03:20

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

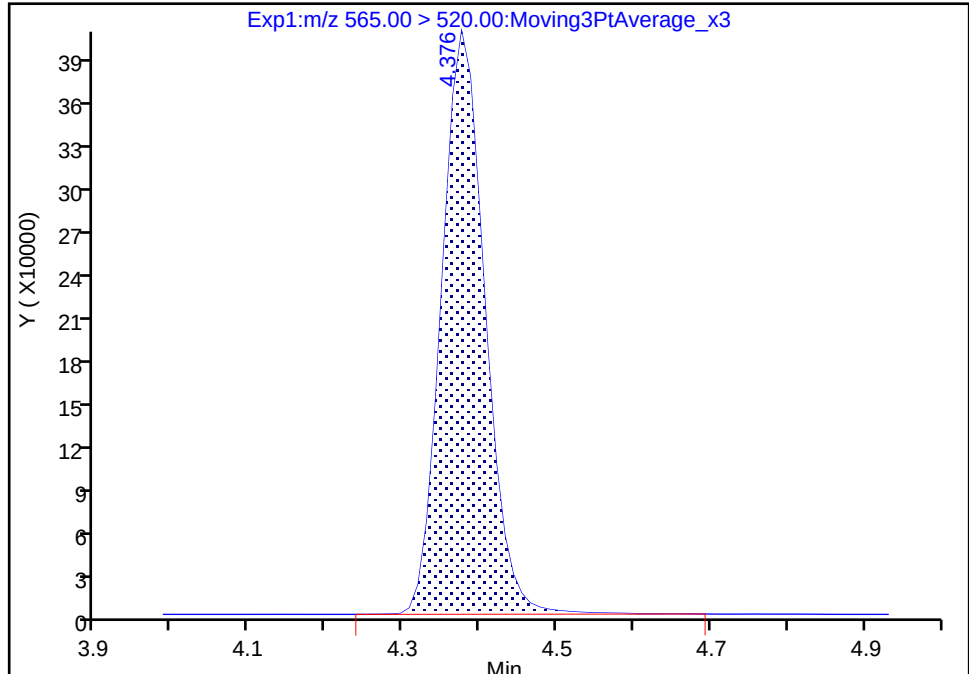
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A05.d
Injection Date: 09-Aug-2022 16:23:57 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

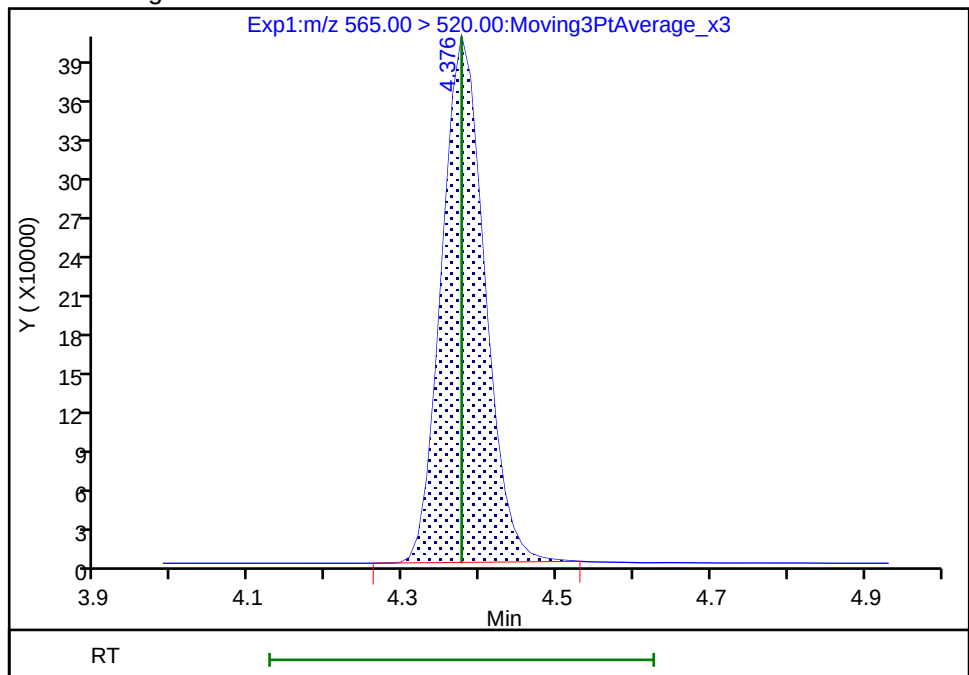
RT: 4.38
Area: 1589526
Amount: 1.291521
Amount Units: ng/ml

Processing Integration Results



RT: 4.38
Area: 1574829
Amount: 1.279579
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:36:59
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

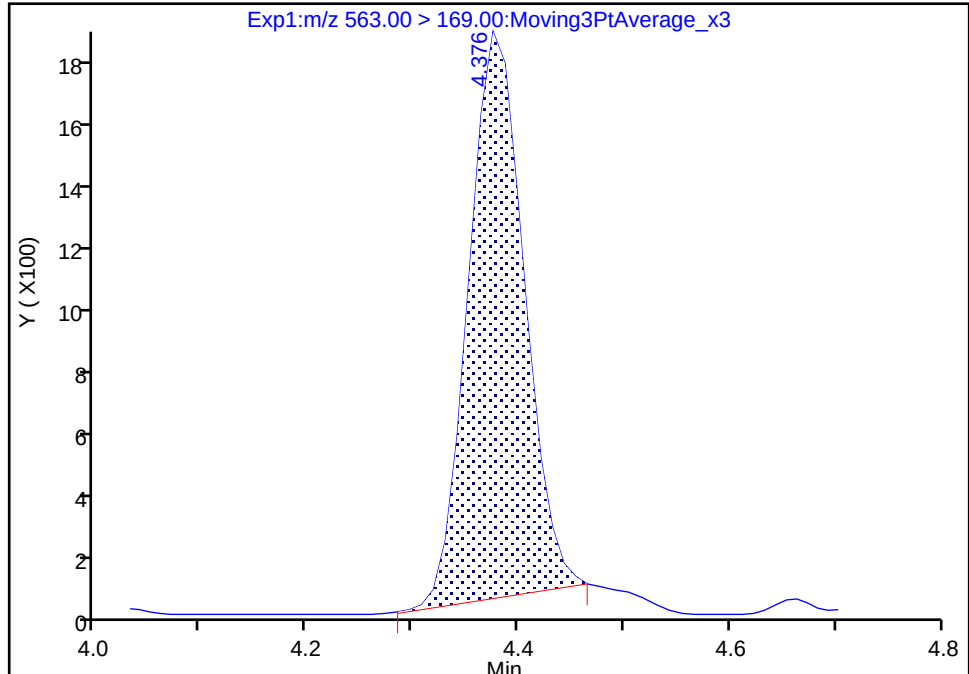
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A05.d
Injection Date: 09-Aug-2022 16:23:57 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

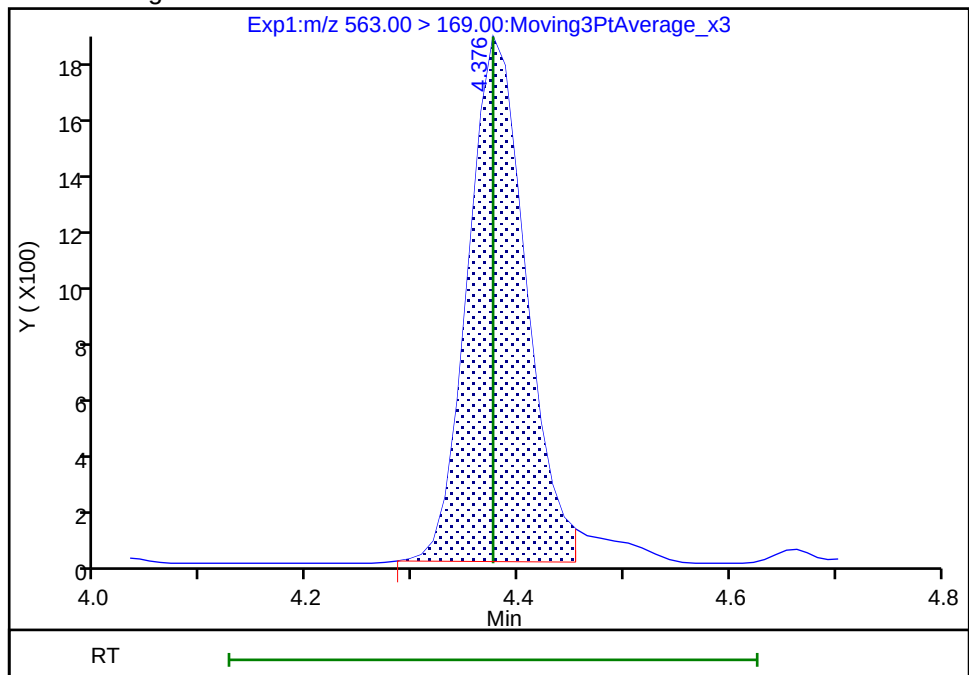
RT: 4.38
Area: 6602
Amount: 0.047452
Amount Units: ng/ml

Processing Integration Results



RT: 4.38
Area: 7007
Amount: 0.047452
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:37:06
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

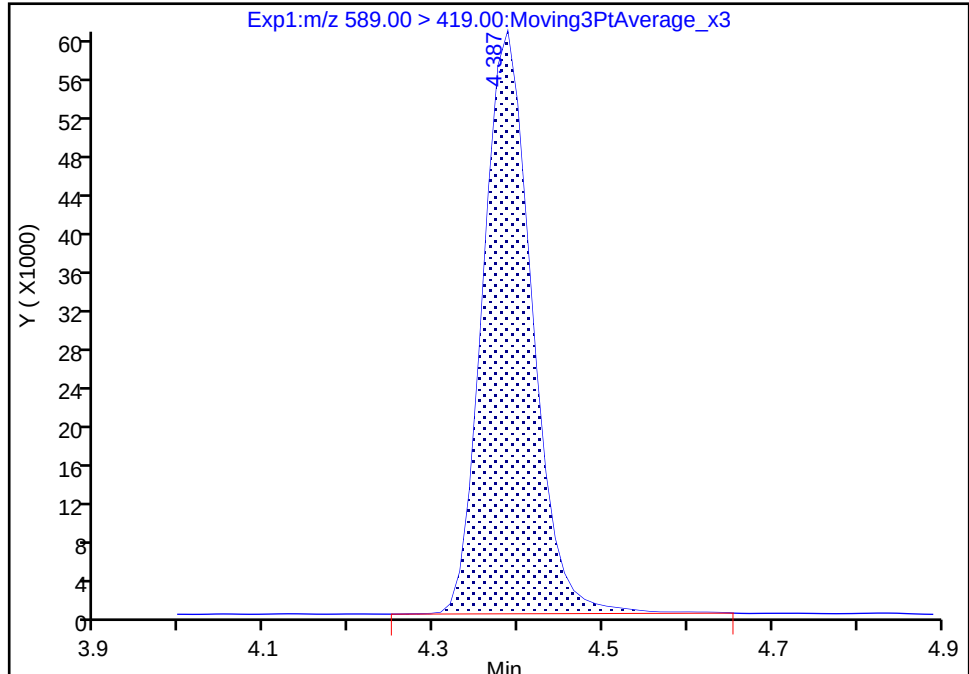
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A05.d
Injection Date: 09-Aug-2022 16:23:57 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 32 d5-NEtFOSAA, CAS: STL02117

Signal: 1

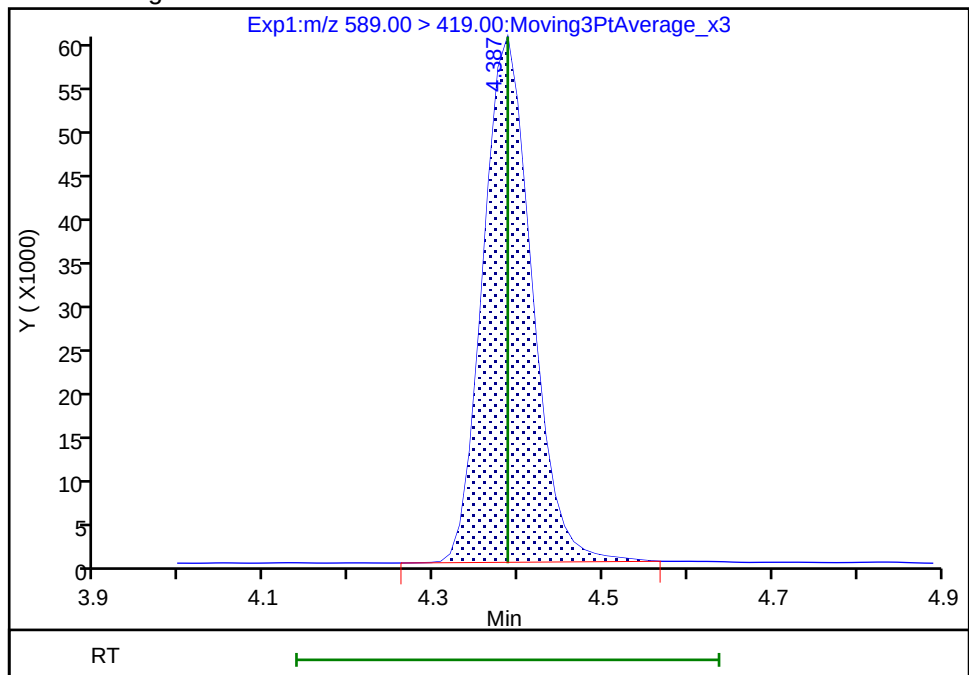
RT: 4.39
Area: 243463
Amount: 1.181436
Amount Units: ng/ml

Processing Integration Results



RT: 4.39
Area: 241926
Amount: 1.173978
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:37:11
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

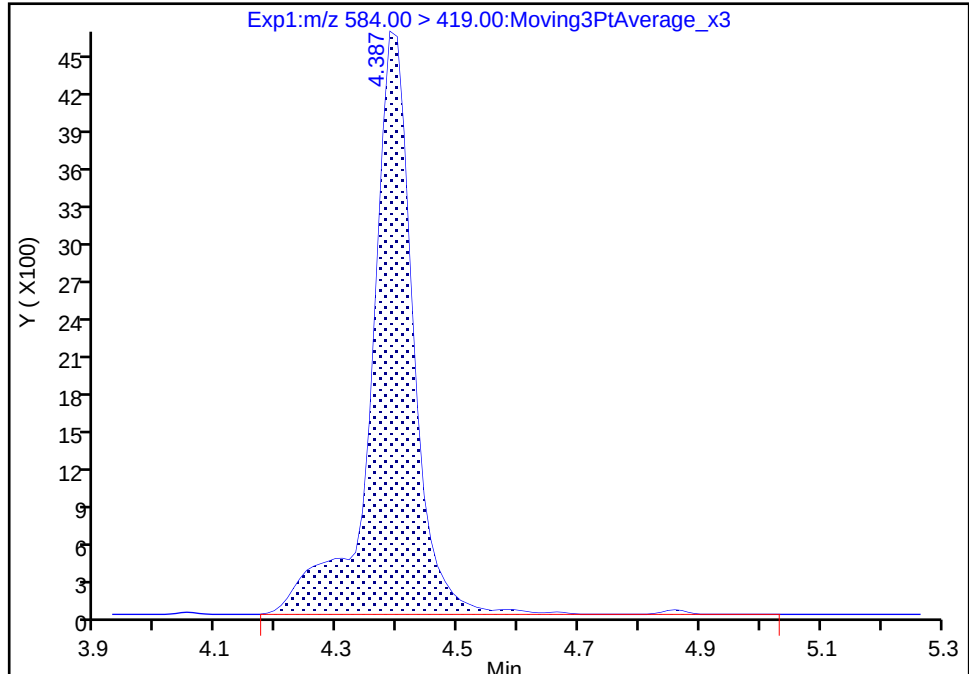
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A05.d
Injection Date: 09-Aug-2022 16:23:57 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

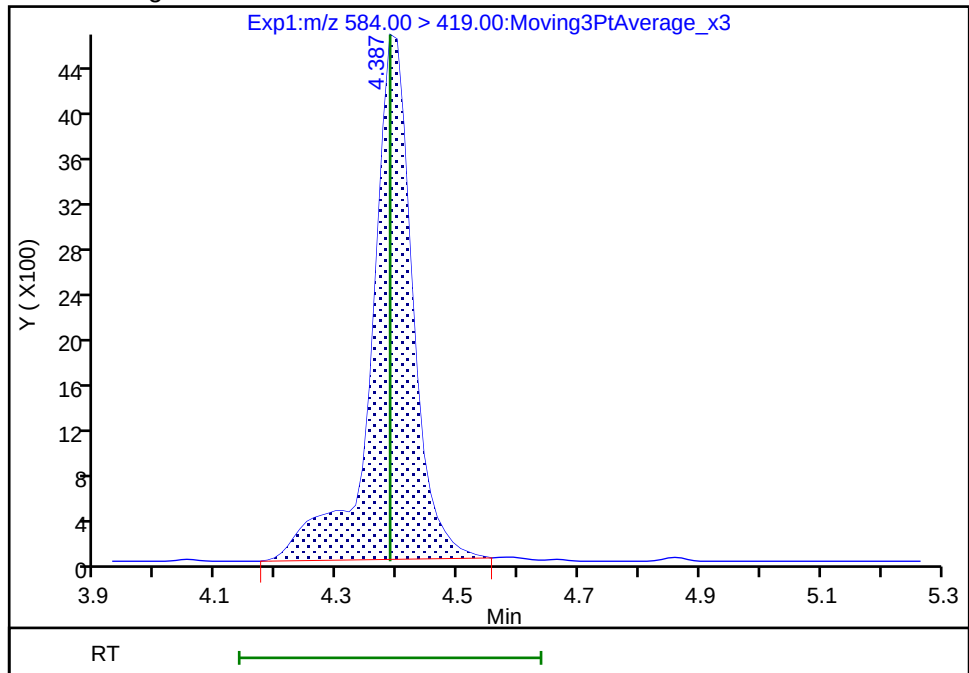
RT: 4.39
Area: 22607
Amount: 0.127842
Amount Units: ng/ml

Processing Integration Results



RT: 4.39
Area: 22016
Amount: 0.125291
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:37:15
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

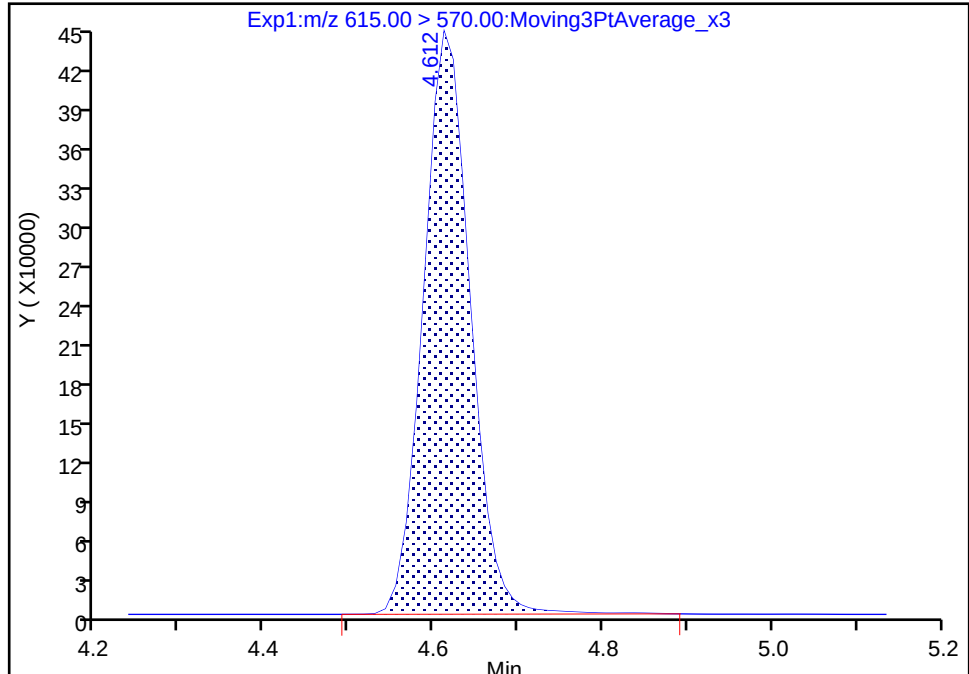
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A05.d
Injection Date: 09-Aug-2022 16:23:57 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 36 13C2 PFD_oA, CAS: STL00998

Signal: 1

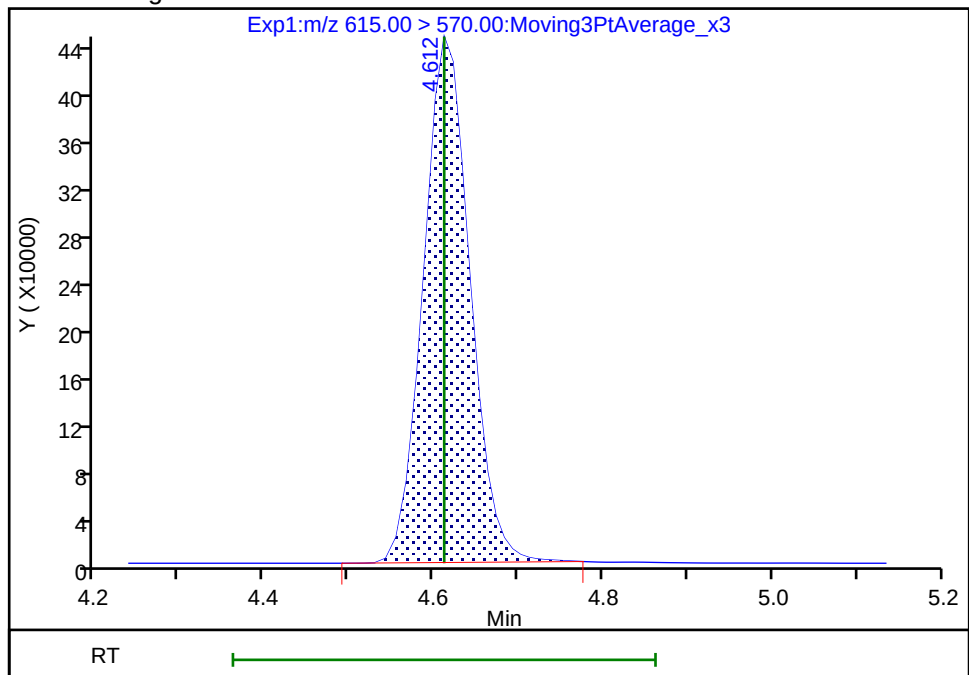
RT: 4.61
Area: 1722969
Amount: 1.350985
Amount Units: ng/ml

Processing Integration Results



RT: 4.61
Area: 1709397
Amount: 1.340343
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:37:22
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

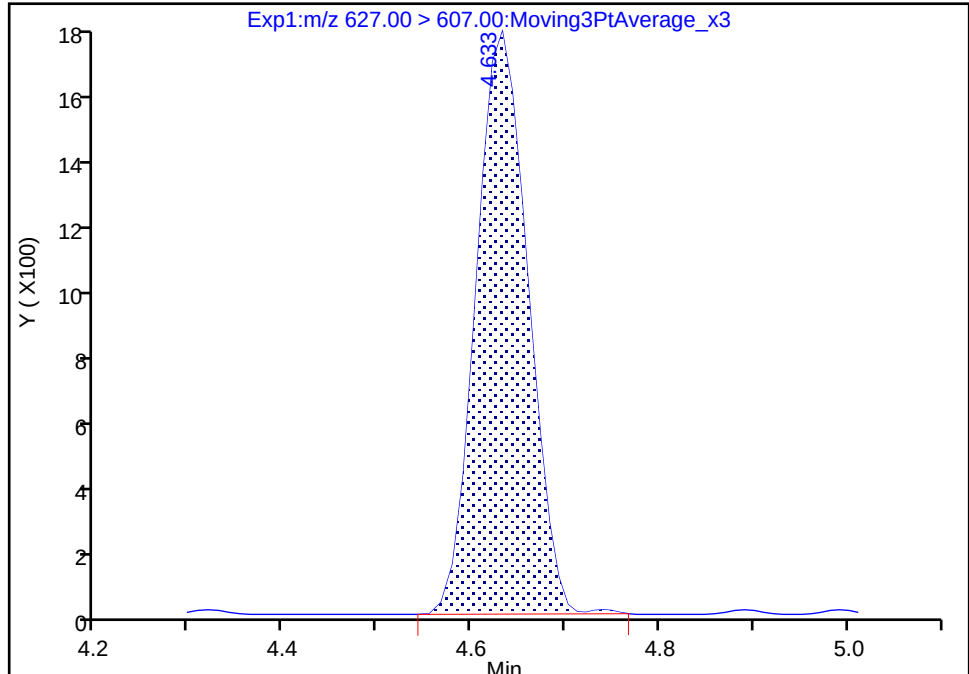
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A05.d
Injection Date: 09-Aug-2022 16:23:57 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

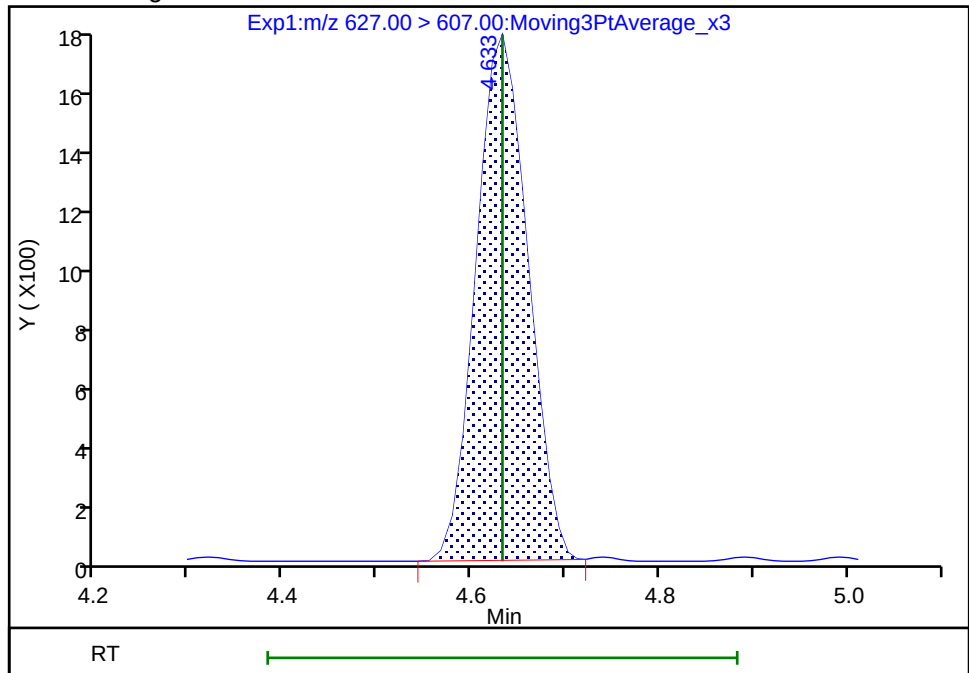
RT: 4.63
Area: 6799
Amount: 0.060274
Amount Units: ng/ml

Processing Integration Results



RT: 4.63
Area: 6754
Amount: 0.059875
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:03:39

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

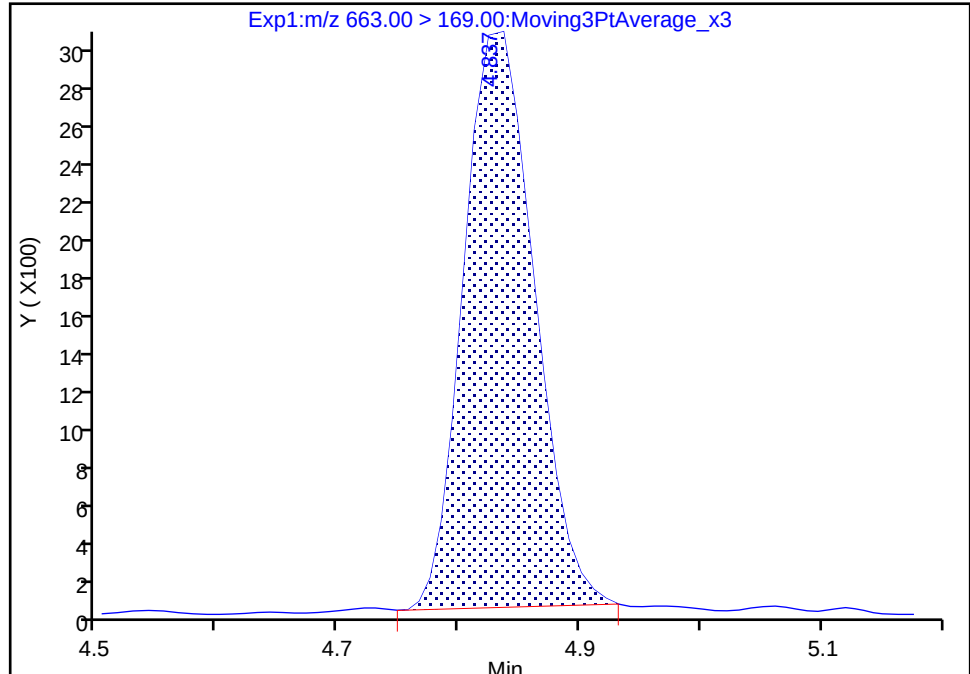
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A05.d
Injection Date: 09-Aug-2022 16:23:57 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

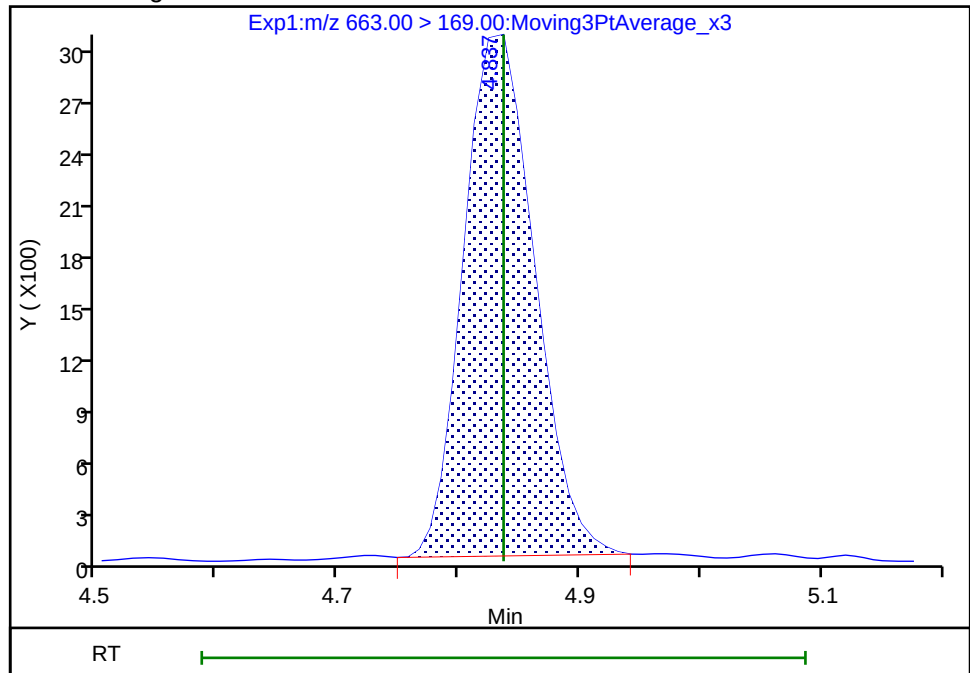
RT: 4.84
Area: 12465
Amount: 0.053459
Amount Units: ng/ml

Processing Integration Results



RT: 4.84
Area: 12541
Amount: 0.053554
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:03:48

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

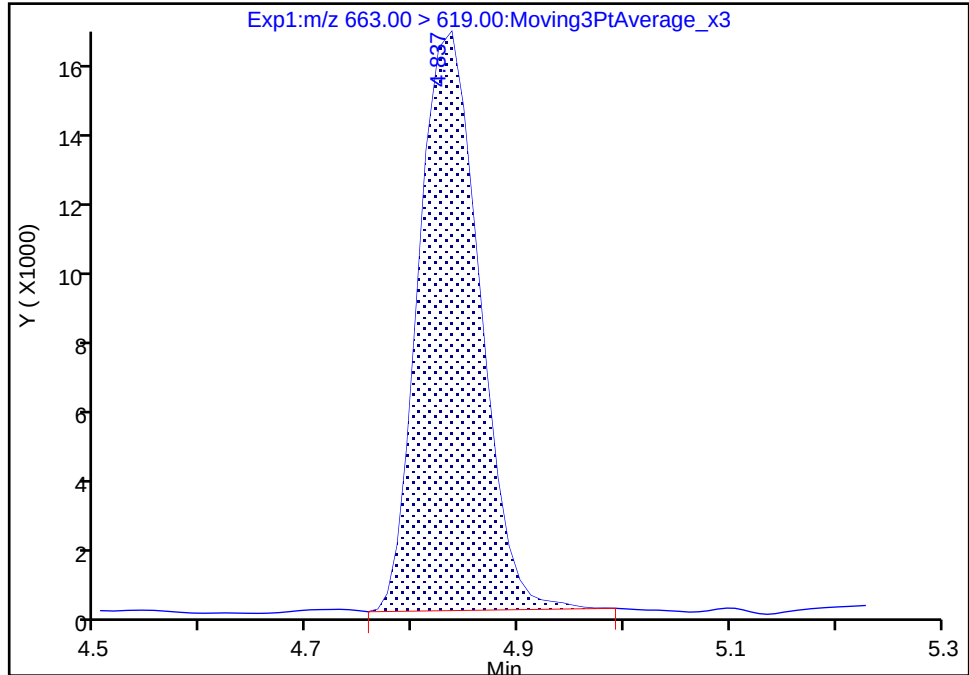
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A05.d
Injection Date: 09-Aug-2022 16:23:57 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

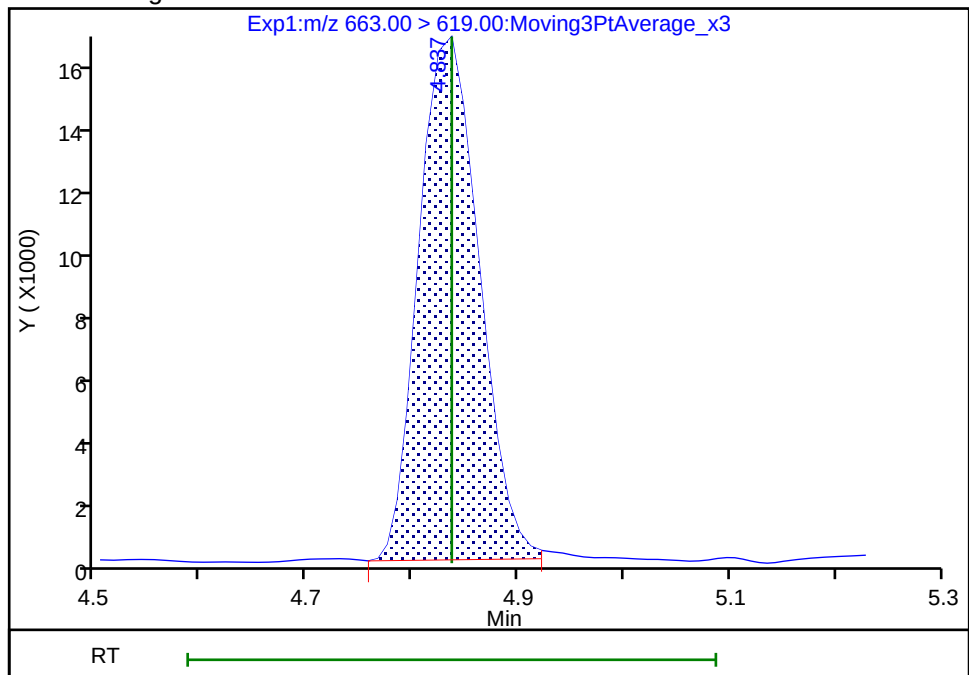
RT: 4.84
Area: 64779
Amount: 0.053459
Amount Units: ng/ml

Processing Integration Results



RT: 4.84
Area: 64383
Amount: 0.053554
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:03:53

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

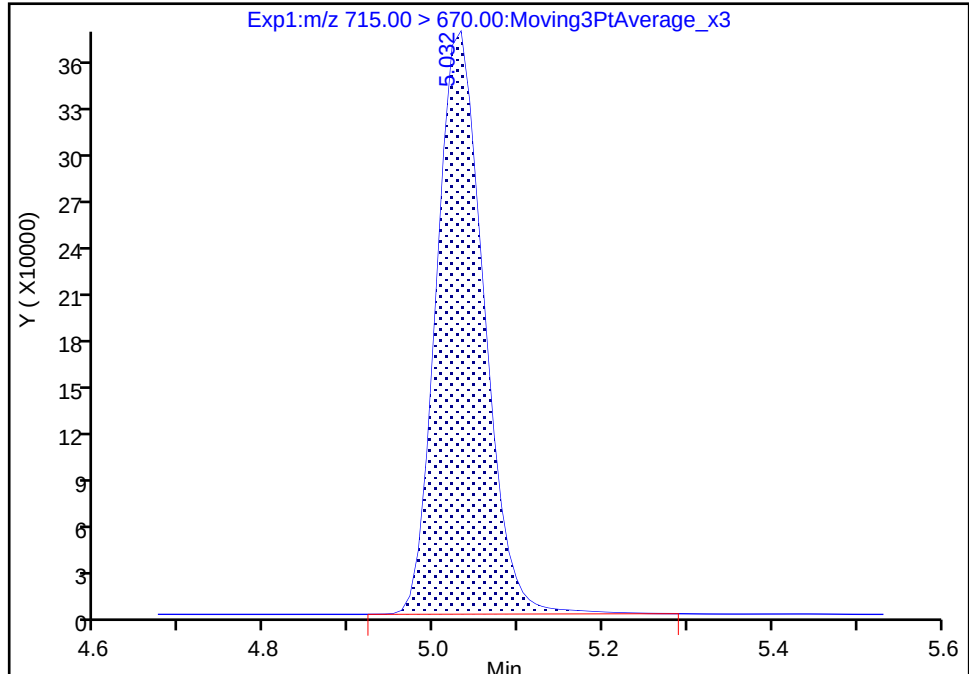
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A05.d
Injection Date: 09-Aug-2022 16:23:57 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

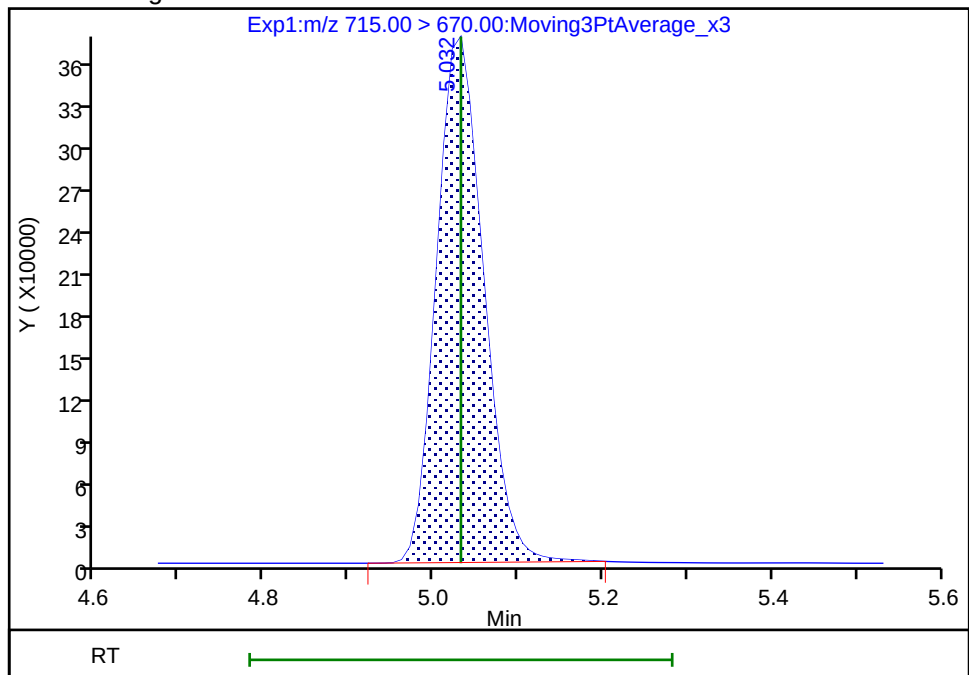
RT: 5.03
Area: 1460079
Amount: 1.400479
Amount Units: ng/ml

Processing Integration Results



RT: 5.03
Area: 1450161
Amount: 1.390966
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:37:30
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

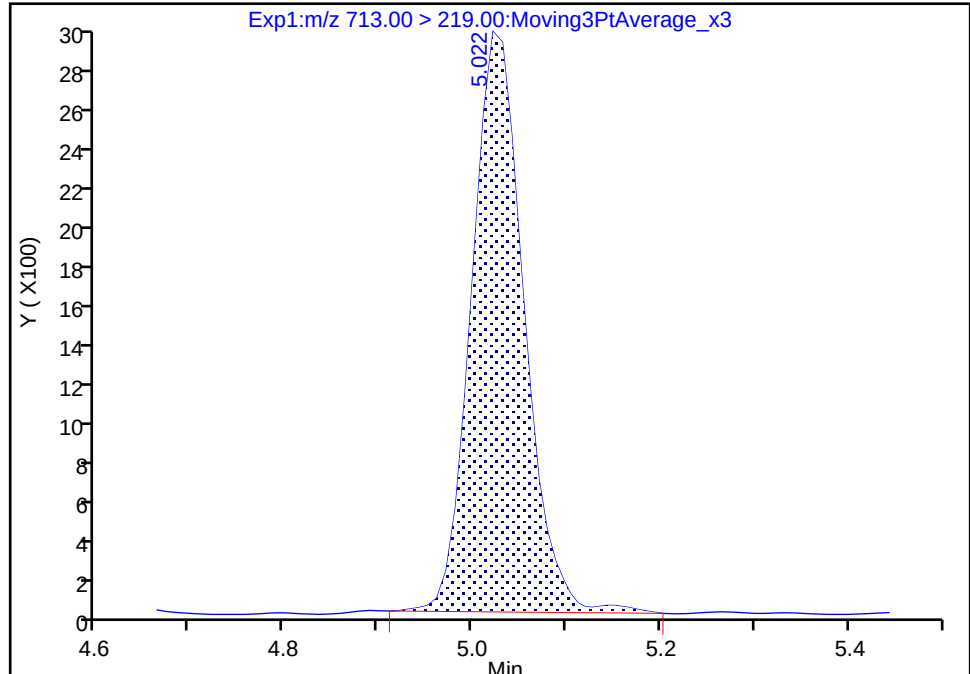
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A05.d
Injection Date: 09-Aug-2022 16:23:57 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

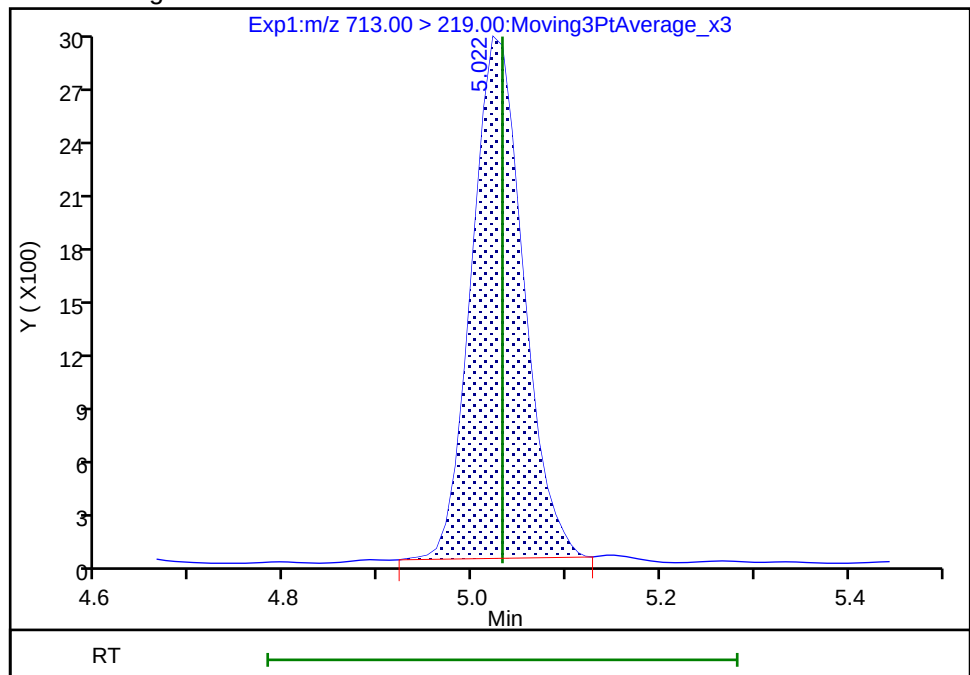
RT: 5.02
Area: 11332
Amount: 0.053651
Amount Units: ng/ml

Processing Integration Results



RT: 5.02
Area: 11045
Amount: 0.054018
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:04:00
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

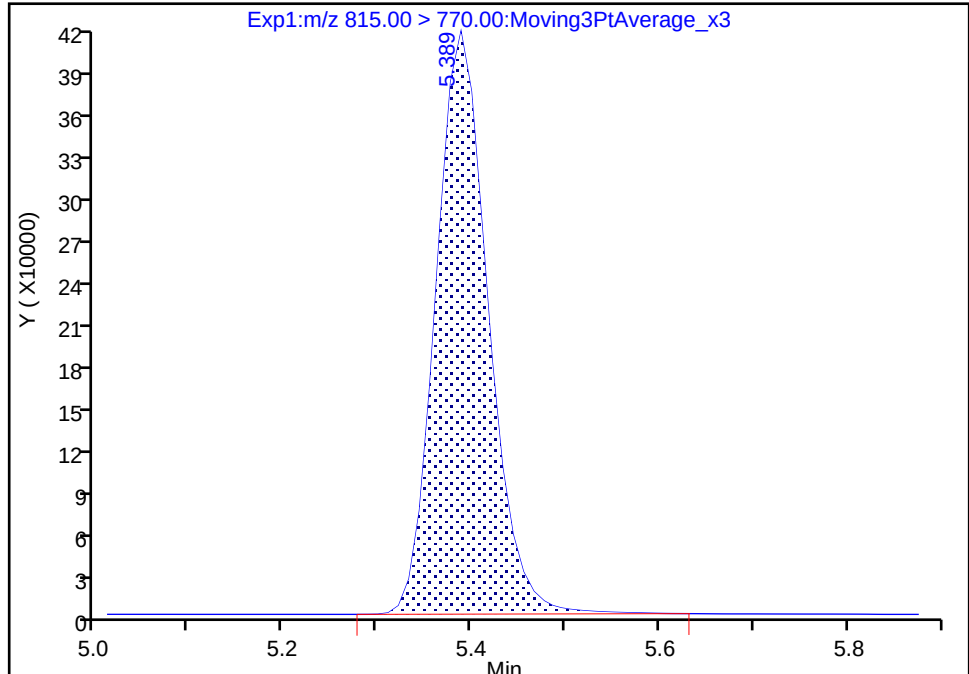
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A05.d
Injection Date: 09-Aug-2022 16:23:57 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 44 13C2 PFHxDA, CAS: STL02115

Signal: 1

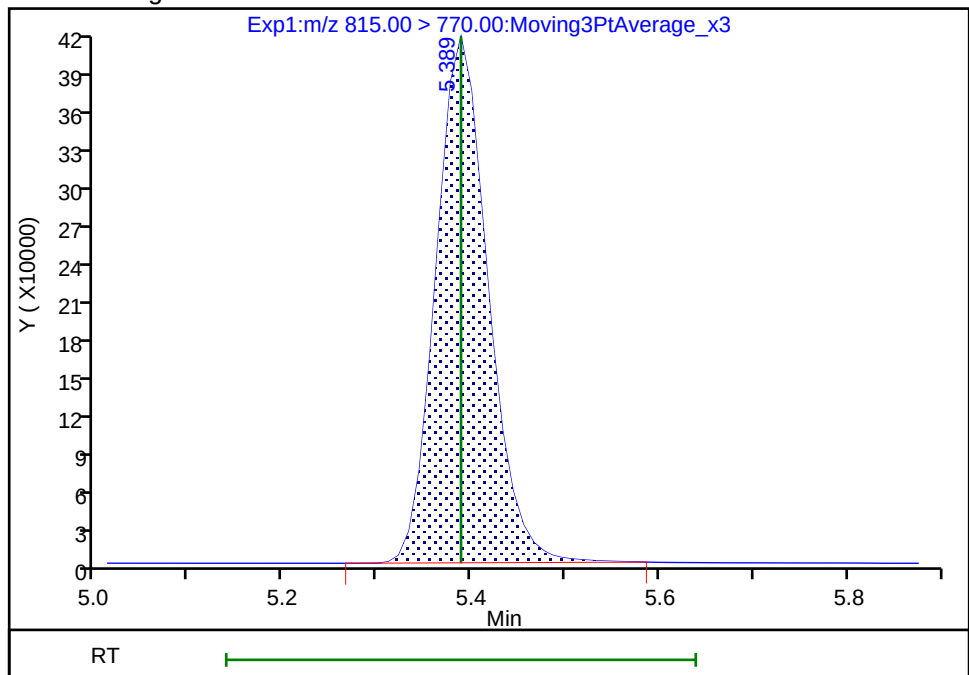
RT: 5.39
Area: 1613117
Amount: 1.358297
Amount Units: ng/ml

Processing Integration Results



RT: 5.39
Area: 1608261
Amount: 1.354208
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:37:36
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-263208-1

SDG No.: _____

Lab Sample ID: CCV 200-182508/18 Calibration Date: 08/09/2022 18:10

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: PA220809A18.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	0.9327		0.962	1.00	-3.8	
Perfluoropentanoic acid (PFPeA)	AveID	1.031	1.001		0.971	1.00	-2.9	
Perfluorobutanesulfonic acid (PFBS)	AveID	1.104	1.071		0.857	0.884	-3.0	
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	AveID	2.377	2.549		1.00	0.934	7.3	
Perfluorohexanoic acid (PFHxA)	AveID	1.043	1.057		1.01	1.00	1.3	
Perfluoropentanesulfonic acid (PFPeS)	AveID	1.297	1.210		0.875	0.938	-6.7	
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	AveID	1.075	1.049		0.976	1.00	-2.4	
Perfluoroheptanoic acid (PFHpA)	AveID	1.031	1.008		0.978	1.00	-2.2	
Perfluorohexanesulfonic acid (PFHxS)	AveID	1.103	1.052		0.868	0.910	-4.6	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	4.119	4.291		0.981	0.942	4.2	
6:2 FTS	L1ID		1.560		0.998	0.948	5.3	30.0
Perfluoroheptanesulfonic acid (PFHpS)	AveID	1.236	1.254		0.966	0.952	1.5	
Perfluorooctanoic acid (PFOA)	AveID	1.121	1.109		0.989	1.00	-1.1	
Perfluorooctanesulfonic acid (PFOS)	L1ID		1.010		0.923	0.928	-0.5	30.0
Perfluorononanoic acid (PFNA)	AveID	1.017	0.9582		0.942	1.00	-5.8	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O)	AveID	1.766	1.845		0.974	0.932	4.5	
Perfluorononanesulfonic acid (PFNS)	AveID	0.7830	0.7963		0.976	0.960	1.7	
Perfluorodecanoic acid (PFDA)	AveID	1.052	1.023		0.973	1.00	-2.7	
8:2 FTS	AveID	0.9657	0.9804		0.973	0.958	1.5	
Perfluorooctanesulfonamide (FOSA)	AveID	1.019	0.9937		0.975	1.00	-2.5	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	AveID	0.8881	0.8692		0.979	1.00	-2.1	
Perfluorodecanesulfonic acid (PFDS)	AveID	0.5827	0.5946		0.984	0.964	2.1	
Perfluoroundecanoic acid (PFUnA)	AveID	1.059	1.017		0.960	1.00	-4.0	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.9079	0.8575		0.945	1.00	-5.5	
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF)	AveID	2.299	2.448		1.00	0.942	6.5	
Perfluorododecanoic acid (PFDoA)	AveID	1.014	1.031		1.02	1.00	1.6	
1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS)	AveID	0.4511	0.4835		1.03	0.964	7.2	
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.2587	0.2751		1.03	0.968	6.3	

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-263208-1

SDG No.: _____

Lab Sample ID: CCV 200-182508/18 Calibration Date: 08/09/2022 18:10

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: PA220809A18.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	0.9338		1.06	1.00	6.2	
Perfluorotetradecanoic acid (PFTeA)	AveID	0.1602	0.1575		0.983	1.00	-1.7	
Perfluoro-n-hexadecanoic acid (PFHxDA)	L1ID		0.8883		0.973	1.00	-2.7	30.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	0.6649	0.7298		1.10	1.00	9.8	
13C4 PFBA	Ave	1.167	1.069		1.15	1.25	-8.4	
13C5 PFPeA	Ave	0.8976	0.8130		1.13	1.25	-9.4	
13C3 PFBS	Ave	1.039	0.9763		1.09	1.16	-6.0	
M2-4:2 FTS	Ave	0.0894	0.0757		0.989	1.17	-15.3	
13C2 PFHxA	Ave	0.8962	0.8356		1.17	1.25	-6.8	
13C3 HFPO-DA	Ave	0.1687	0.1550		1.15	1.25	-8.1	
13C4 PFHpA	Ave	0.9296	0.8945		1.20	1.25	-3.8	50.0
18O2 PFHxS	Ave	0.7305	0.6908		1.12	1.18	-5.4	50.0
M2-6:2 FTS	Ave	0.1223	0.1232		1.20	1.19	0.7	
13C4 PFOA	Ave	0.9525	0.9129		1.20	1.25	-4.2	50.0
13C4 PFOS	Ave	0.5455	0.4959		1.09	1.20	-9.1	50.0
13C5 PFNA	Ave	0.9889	0.9916		1.25	1.25	0.3	50.0
13C2 PFDA	Ave	0.9624	0.9770		1.27	1.25	1.5	
M2-8:2 FTS	Ave	0.1471	0.1514		1.23	1.20	2.9	
13C8 FOSA	Ave	0.8423	0.7844		1.16	1.25	-6.9	
d3-NMeFOSAA	Ave	0.1290	0.1219		1.18	1.25	-5.5	
13C2 PFUnA	Ave	0.7292	0.7217		1.24	1.25	-1.0	
d5-NEtFOSAA	Ave	0.1221	0.1133		1.16	1.25	-7.2	
13C2 PFDoA	Ave	0.7556	0.7709		1.28	1.25	2.0	
13C2 PFTeDA	Ave	0.6177	0.6939		1.40	1.25	12.3	
13C2 PFHxDA	Ave	0.7037	0.7372		1.31	1.25	4.8	

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A18.d
 Lims ID: CCV L4
 Client ID:
 Sample Type: CCV
 Inject. Date: 09-Aug-2022 18:10:19 ALS Bottle#: 15 Worklist Smp#: 18
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: CCV L4
 Misc. Info.: 200-0052011-018 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Sublist: chrom-PFC_LC812*sub3
 Method: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 10-Aug-2022 11:01:07 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: CTX1674

First Level Reviewer: khanphomeea

Date: 10-Aug-2022 09:50:05

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	0.602	2483675	1.15		91.6	10138	M
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.085	2.085	0.0	1.000	1853192	0.9618		96.2	222	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.400	2.386	0.014	0.693	1888192	1.13		90.6	3494	
4 Perfluoropentanoic acid										
262.90 > 219.00	2.400	2.386	0.014	1.000	1511875	0.9708		97.1	53.4	
D 47 13C3 PFBS										
301.90 > 80.00	2.413	2.400	0.013	0.696	2108664	1.09		94.0	336286	
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.413	2.413	0.0	1.000	1716825	0.8574	Target=2.23	97.0	879	M
298.90 > 99.00	2.413	2.413	0.0	1.000	817451		2.10(1.11-3.34)		518	M
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.713	2.701	0.012	0.783	164270	0.9888		84.7	149	M
61 1H,1H,2H,2H-perfluorohexanesulfo										
327.00 > 307.00	2.713	2.701	0.012	1.000	335031	1.00		107	1467	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.750	2.737	0.013	1.000	1641234	1.01	Target=12.24	101	294	M
313.00 > 119.00	2.750	2.737	0.013	1.000	130085		12.62(6.12-18.36)		194	M
D 7 13C2 PFHxA										M
315.00 > 270.00	2.750	2.737	0.013	0.794	1940515	1.17		93.2	2270	M
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.750	2.750	0.0	0.884	1456865	0.8754	Target=2.95	93.3	1254	
349.00 > 99.00	2.750	2.750	0.0	0.884	498749		2.92(1.48-4.43)		832	M
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.847	2.847	0.0	0.822	359943	1.15		91.9	1582	

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	2.847	0.012	1.004	302113	0.9764		97.6	1455	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.110	3.110	0.0	0.897	1517720	1.12		94.6	2022	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.110	3.110	0.0	1.000	1229195	0.8683	Target=3.43	95.4	1116	M
399.00 > 99.00	3.110	3.110	0.0	1.000	371888		3.31(1.72-5.15)		477	M
D 9 13C4 PFHpA										M
367.00 > 322.00	3.110	3.110	0.0	0.897	2077337	1.20		96.2	2139	M
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.110	3.110	0.0	1.000	1674510	0.9777	Target=3.73	97.8	441	M
363.00 > 169.00	3.110	3.110	0.0	1.000	449993		3.72(1.86-5.59)		755	M
77 DONA										M
377.00 > 251.00	3.154	3.143	0.011	0.834	3723710	0.9813	Target=2.84	104	2076	M
377.00 > 85.00	3.154	3.143	0.011	0.834	1314309		2.83(1.42-4.26)		1164	M
D 12 M2-6:2 FTS										
429.00 > 81.00	3.456	3.455	0.001	0.997	271760	1.20		101	392	
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.456	3.455	0.001	1.000	338483	1.00		105	335	M
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.456	3.455	0.001	0.914	1100013	0.9660	Target=4.89	101	1663	M
449.00 > 99.00	3.456	3.455	0.001	0.914	218175		5.04(2.44-7.33)		690	M
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.474	3.464	0.010	1.003	1881297	0.9891	Target=2.67	98.9	227	
413.00 > 169.00	3.465	3.464	0.001	1.000	677221		2.78(1.34-4.01)		766	M
D 14 13C4 PFOA										M
417.00 > 372.00	3.465	3.464	0.001	1.000	2120239	1.20		95.8	1860	M
* 62 13C2 PFOA										
415.00 > 370.00	3.465	3.464	0.001		2322406	1.25			2659	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.783	3.782	0.001	1.000	863202	0.9232	Target=4.88	99.5	503	M
499.00 > 99.00	3.783	3.782	0.001	1.000	189713		4.55(2.44-7.32)		592	M
D 18 13C4 PFOS										
503.00 > 80.00	3.783	3.782	0.001	1.092	1100966	1.09		90.9	2197	
20 Perfluorononanoic acid										M
463.00 > 419.00	3.802	3.801	0.001	1.000	1765317	0.9418	Target=8.23	94.2	487	
463.00 > 169.00	3.802	3.801	0.001	1.000	228564		7.72(4.11-12.34)		1442	M
D 19 13C5 PFNA										
468.00 > 423.00	3.802	3.801	0.001	1.097	2302814	1.25		100	3945	
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.951	3.951	0.0	1.044	1584480	0.9736		104	4269	
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.081	4.081	0.0	1.079	704298	0.9763	Target=2.53	102	2290	
549.00 > 99.00	4.081	4.081	0.0	1.079	298378		2.36(1.26-3.79)		1511	
D 23 13C2 PFDA										
515.00 > 470.00	4.104	4.104	0.0	1.184	2268897	1.27		102	2540	

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	4.104	4.104	0.0	1.000	1856761	0.9727	Target=9.67	97.3	887	
513.00 > 169.00	4.104	4.104	0.0	1.000	198364		9.36(4.83-14.50)		774	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.116	4.115	0.001	1.188	336746	1.23		103	1360	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.116	4.115	0.001	1.000	264105	0.9726		102	1465	
D 21 13C8 FOSA										
506.00 > 78.00	4.161	4.161	0.0	1.201	1821743	1.16		93.1	2369	M
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.173	4.173	0.0	1.003	1448198	0.9752		97.5	1173	M
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.250	4.249	0.001	1.226	282990	1.18		94.5	549	M
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.261	4.249	0.012	1.003	196772	0.9787		97.9	232	M
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.353	4.342	0.011	1.151	528097	0.9838	Target=2.80	102	1970	
599.00 > 99.00	4.353	4.342	0.011	1.151	209063		2.53(1.40-4.20)		1145	
D 30 13C2 PFUnA										
565.00 > 520.00	4.376	4.376	0.0	1.263	1676030	1.24		99.0	1568	M
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.376	4.376	0.0	1.000	1363645	0.9600	Target=9.07	96.0	891	M
563.00 > 169.00	4.376	4.376	0.0	1.000	156009		8.74(4.54-13.61)		992	
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.387	4.387	0.0	1.266	263176	1.16		92.8	831	
33 N-ethylperfluorooctanesulfonamid										
584.00 > 419.00	4.399	4.387	0.012	1.003	180547	0.9445		94.5	704	M
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.478	4.478	0.0	1.184	2124841	1.00		106	4275	M
D 36 13C2 PFDaA										
615.00 > 570.00	4.612	4.612	0.0	1.331	1790402	1.28		102	1841	M
37 Perfluorododecanoic acid										
613.00 > 569.00	4.622	4.612	0.010	1.002	1476272	1.02	Target=6.97	102	189	M
613.00 > 169.00	4.622	4.612	0.010	1.002	226135		6.53(3.48-10.45)		1419	
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.633	4.633	0.0	1.126	131056	1.03		107	537	M
75 Perfluorododecanesulfonic acid (										
699.00 > 80.00	4.794	4.794	0.0	1.267	245333	1.03	Target=0.52	106	2642	
699.00 > 99.00	4.794	4.794	0.0	1.267	464327		0.53(0.26-0.79)		2588	
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.837	4.837	0.0	1.049	1337431	1.06	Target=4.56	106	181	M
663.00 > 169.00	4.837	4.837	0.0	1.049	284856		4.70(2.28-6.84)		1015	M
D 43 13C2 PFTeDA										
715.00 > 670.00	5.032	5.032	0.0	1.452	1611546	1.40		112	2277	M
42 Perfluorotetradecanoic acid										
713.00 > 169.00	5.032	5.032	0.0	1.000	203078	0.9832	Target=0.94	98.3	893	M
713.00 > 219.00	5.032	5.032	0.0	1.000	222425		0.91(0.47-1.41)		977	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	5.400	5.389	0.011	1.002	1216783	0.9729	Target=4.38	97.3	240	M
813.00 > 169.00	5.400	5.389	0.011	1.002	279687		4.35(2.19-6.57)		1910	
D 44 13C2 PFHxDA										M
815.00 > 770.00	5.388	5.389	-0.001	1.555	1712177	1.31		105	1608	M
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.749	5.740	0.009	1.067	999622	1.10	Target=4.31	110	217	M
913.00 > 169.00	5.740	5.740	0.0	1.065	227353		4.40(2.16-6.47)		852	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PFAS32NCIC4_00033

Amount Added: 100.00

Units: uL

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A18.d

Injection Date: 09-Aug-2022 18:10:19

Instrument ID: LC812

Lims ID: CCV L4

Client ID:

Operator ID: lc812tech

ALS Bottle#:

15

Worklist Smp#:

18

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

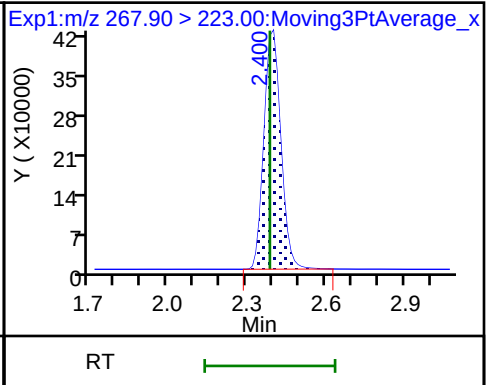
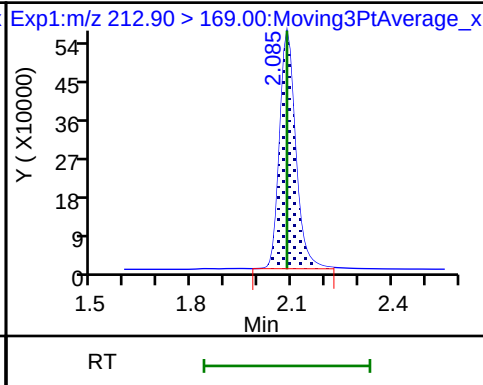
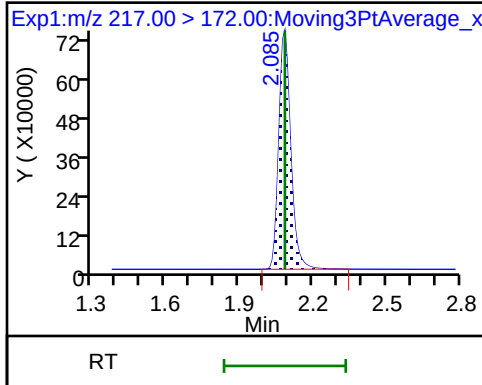
Limit Group:

LC_PFC_ICAL

D 1 13C4 PFBA (M)

2 Perfluorobutanoic acid (M)

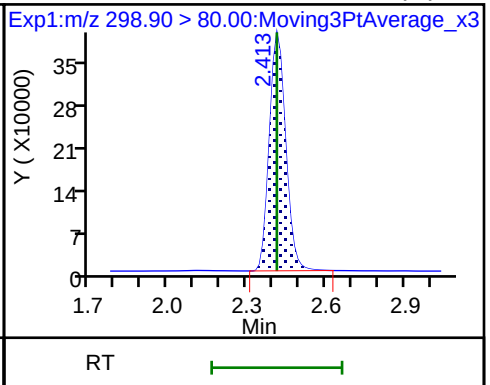
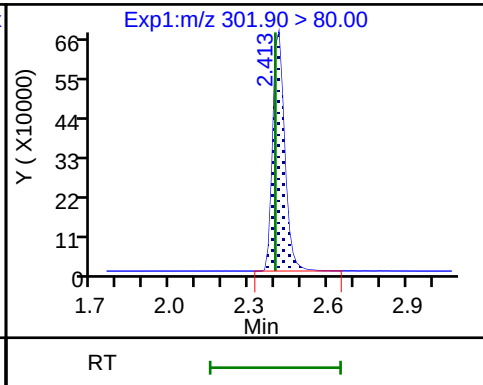
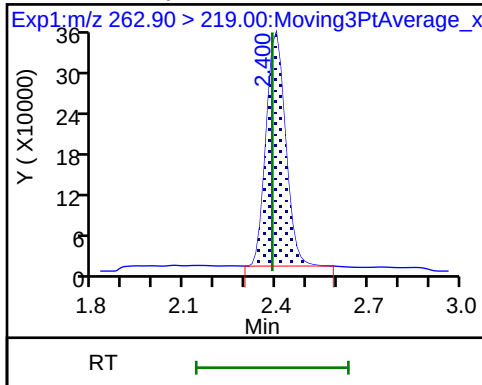
D 3 13C5 PFPeA



4 Perfluoropentanoic acid

D 47 13C3 PFBS

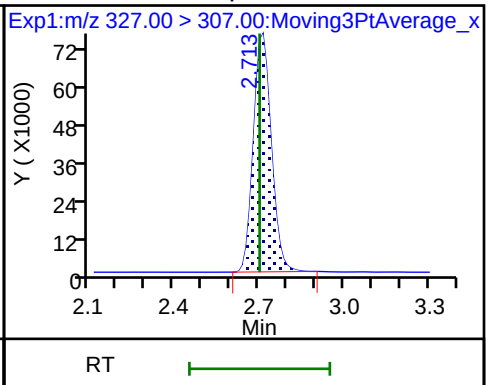
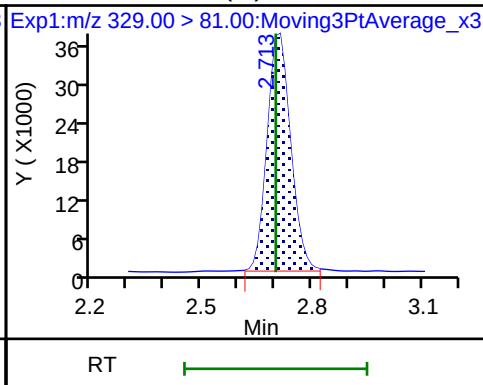
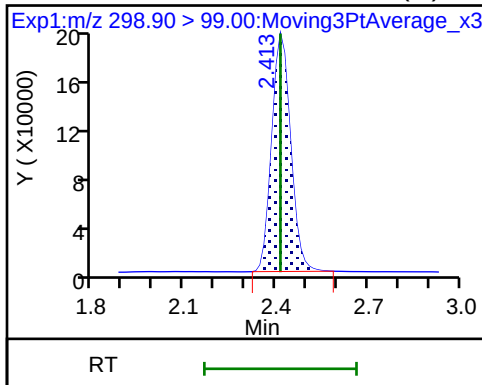
5 Perfluorobutanesulfonic acid (M)



5 Perfluorobutanesulfonic acid (M)

D 60 M2-4:2 FTS (M)

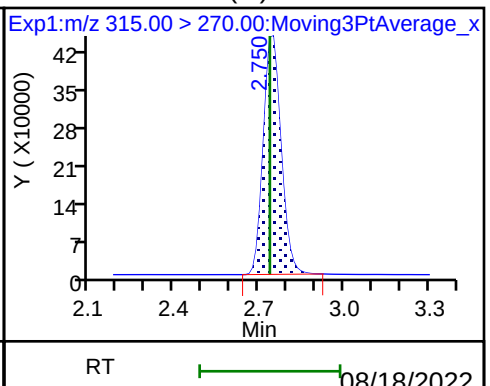
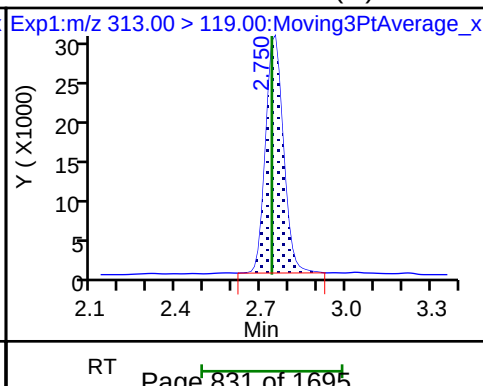
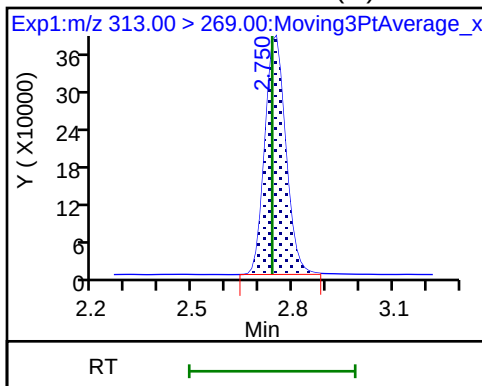
61 1H,1H,2H,2H-perfluorohexanesulfo



6 Perfluorohexanoic acid (M)

6 Perfluorohexanoic acid (M)

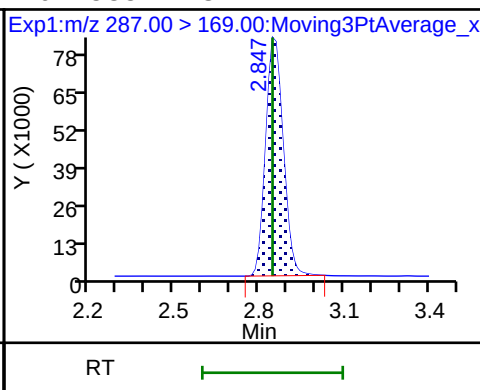
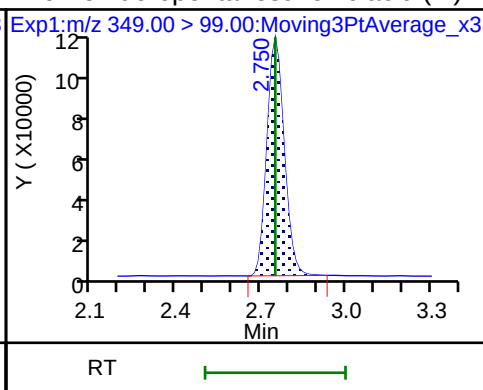
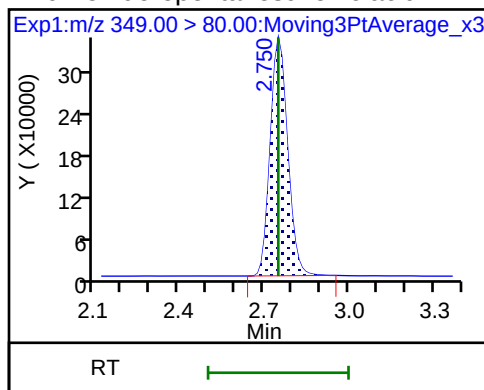
D 7 13C2 PFHxA (M)



70 Perfluoropentanesulfonic acid

70 Perfluoropentanesulfonic acid (M)

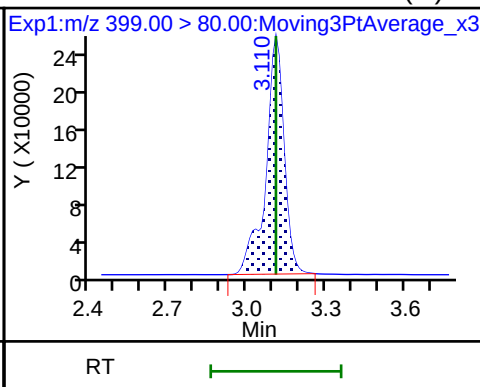
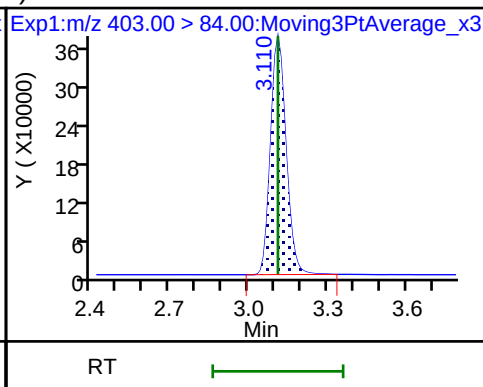
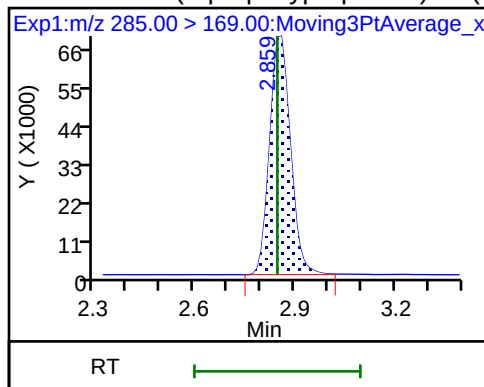
D 64 13C3 HFPO-DA



67 Perfluoro(2-propoxypropanoic) ac (M)

11 18O2 PFHxS

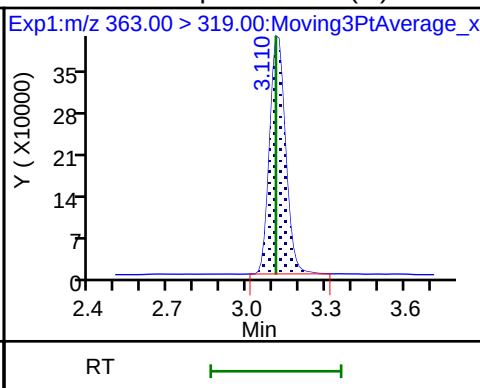
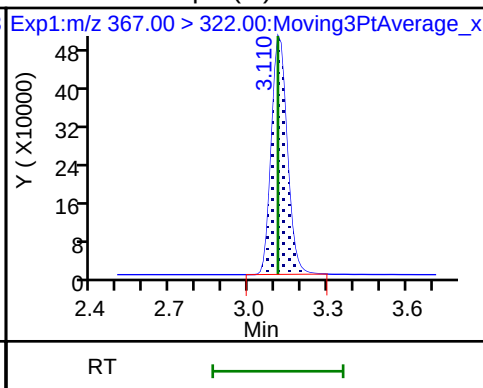
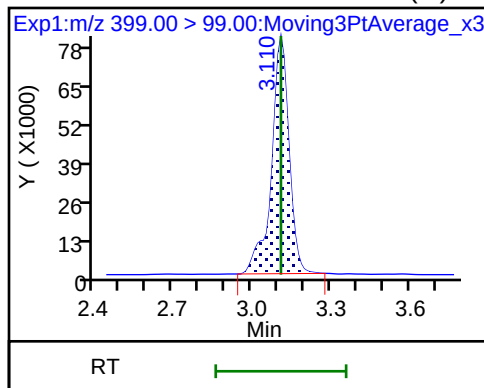
8 Perfluorohexanesulfonic acid (M)



8 Perfluorohexanesulfonic acid (M)

D 9 13C4 PFHpA (M)

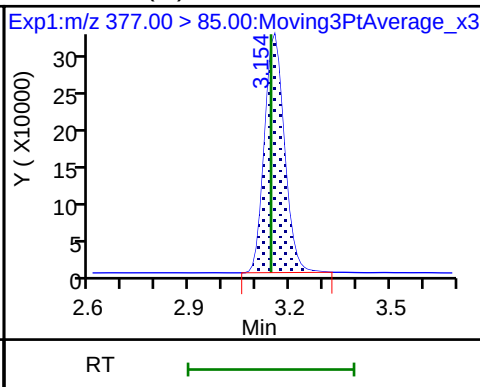
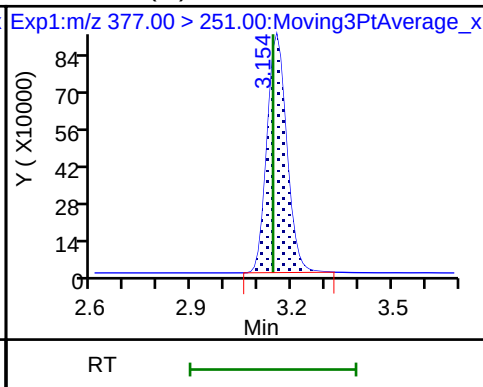
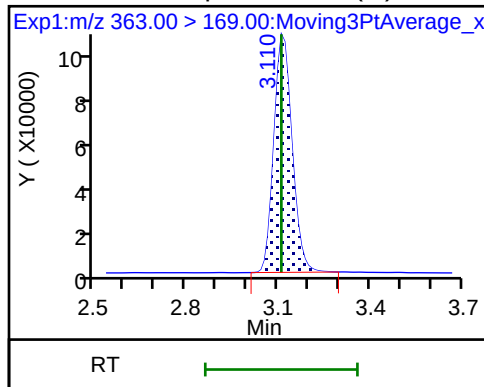
10 Perfluoroheptanoic acid (M)



10 Perfluoroheptanoic acid (M)

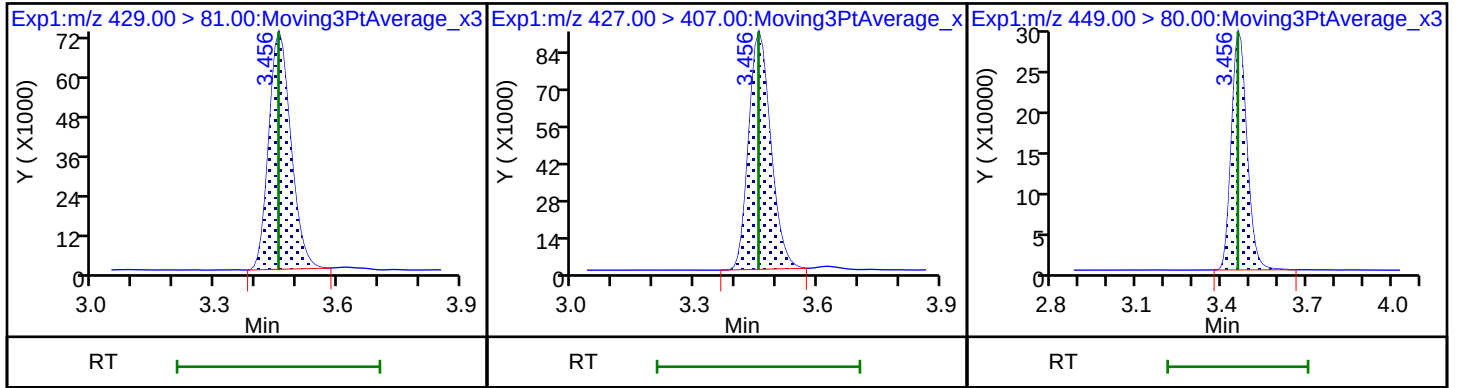
77 DONA (M)

77 DONA (M)



D 12 M2-6:2 FTS

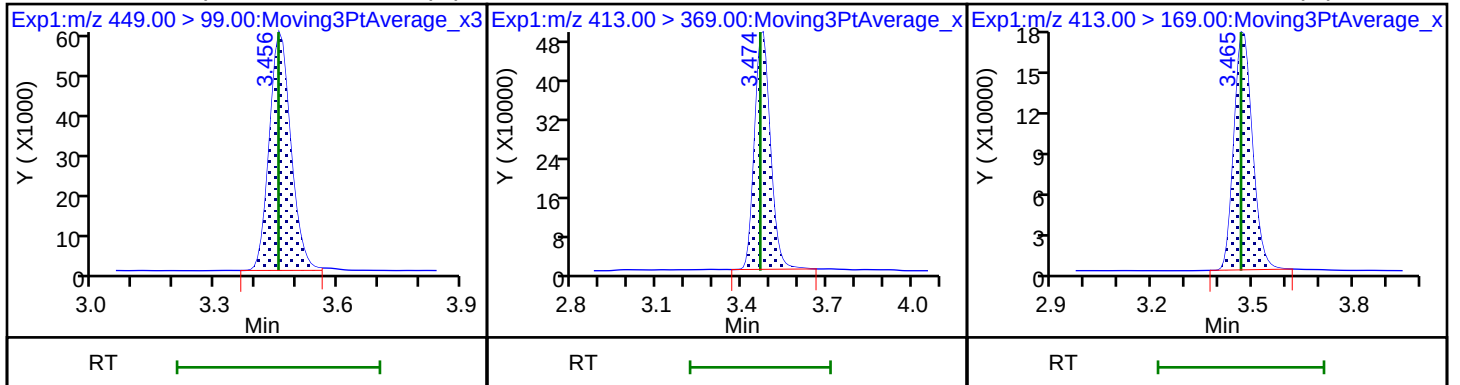
13 1H,1H,2H,2H-perfluorooctanesulfo (M) 16 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M)

15 Perfluorooctanoic acid

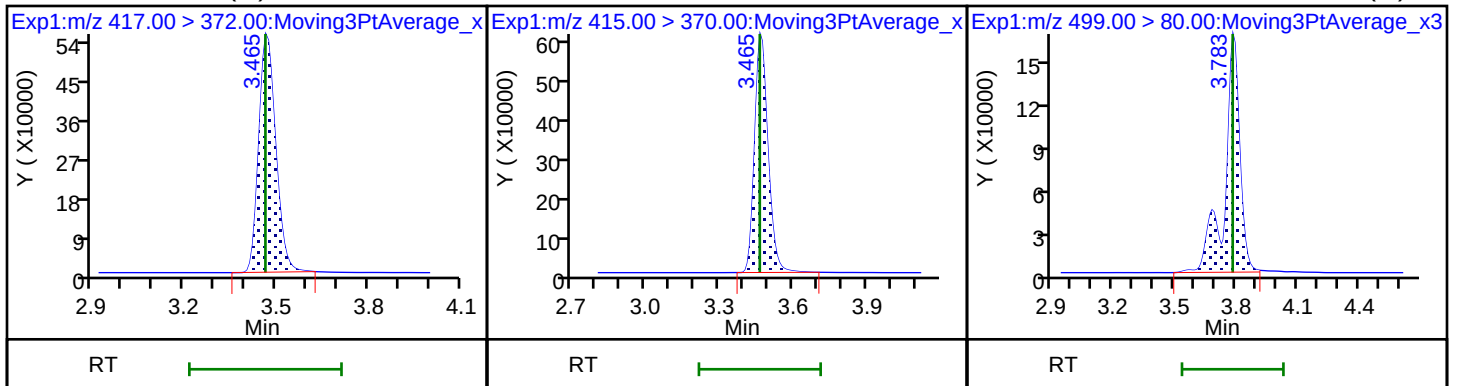
15 Perfluorooctanoic acid (M)



D 14 13C4 PFOA (M)

* 62 13C2 PFOA

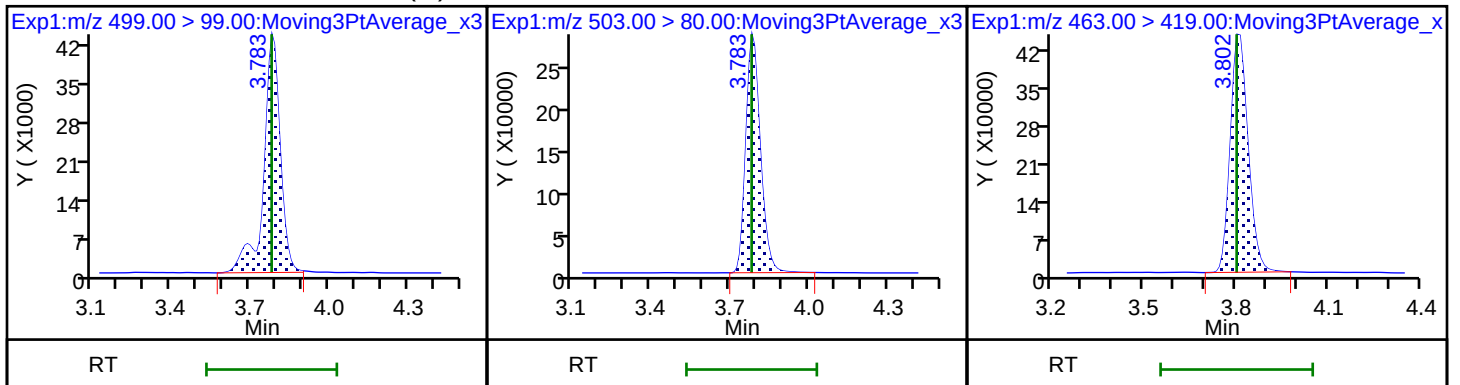
17 Perfluorooctanesulfonic acid (M)

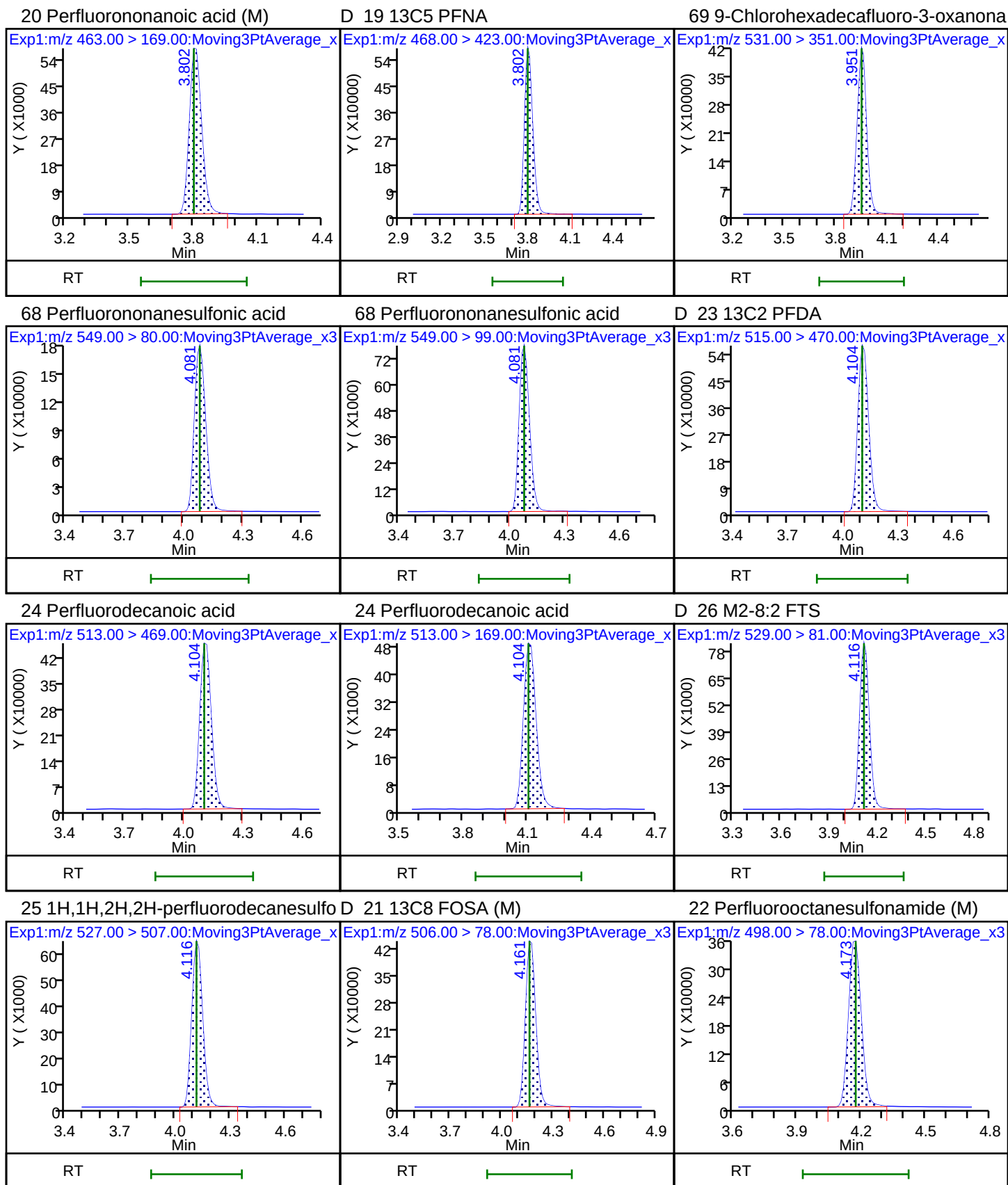


17 Perfluorooctanesulfonic acid (M)

D 18 13C4 PFOS

20 Perfluorononanoic acid

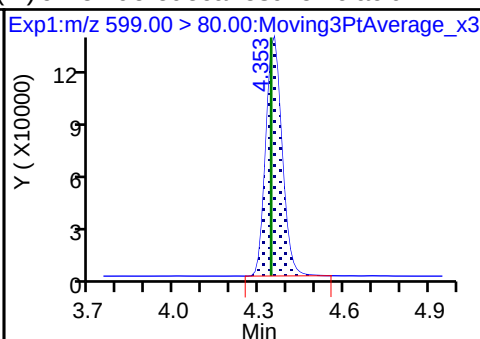
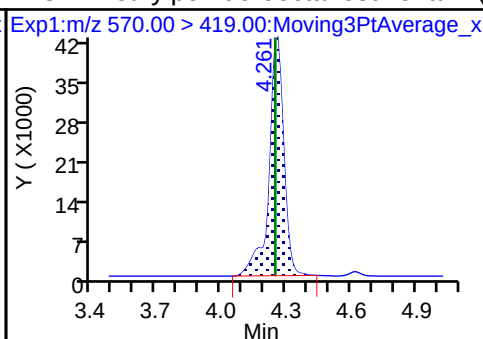
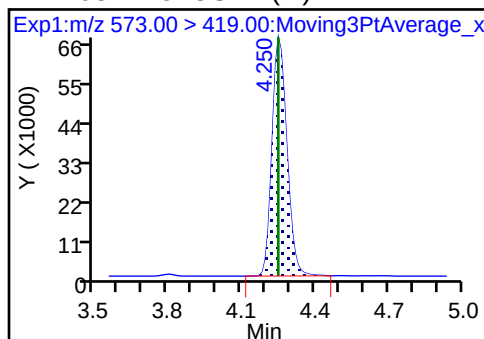




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami (M)

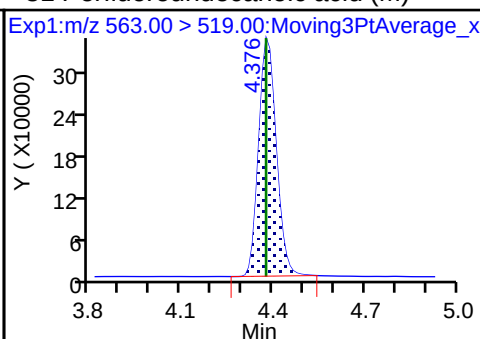
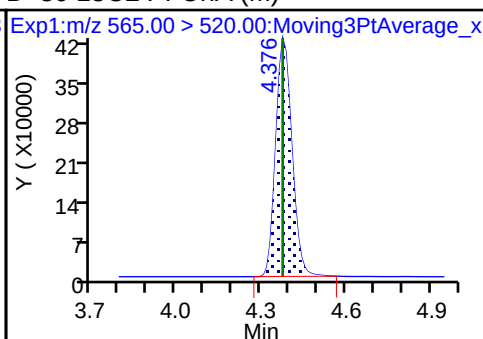
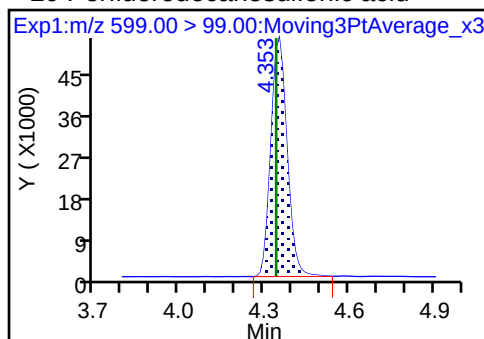
29 Perfluorodecanesulfonic acid



29 Perfluorodecanesulfonic acid

D 30 13C2 PFUnA (M)

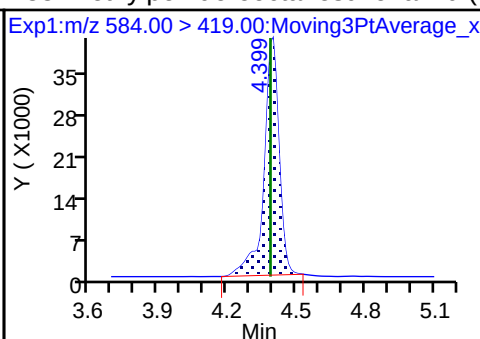
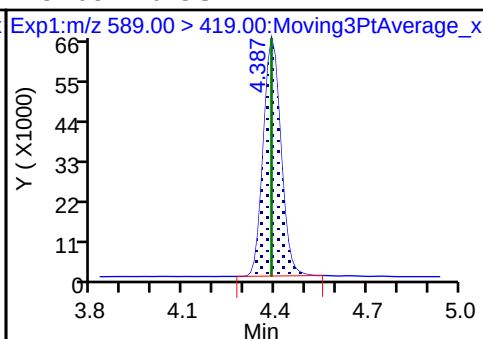
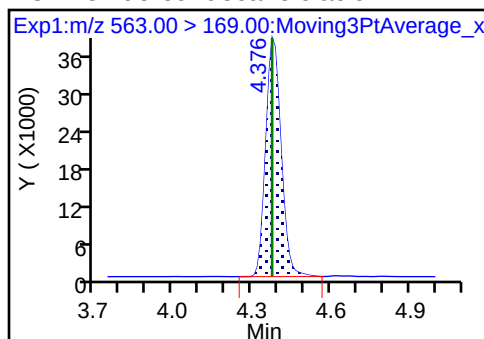
31 Perfluoroundecanoic acid (M)



31 Perfluoroundecanoic acid

D 32 d5-NEtFOSAA

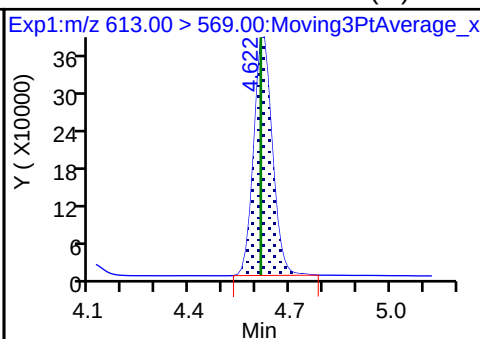
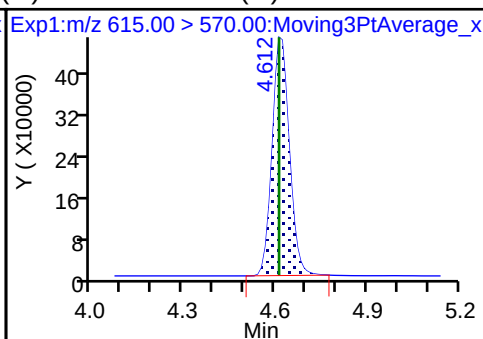
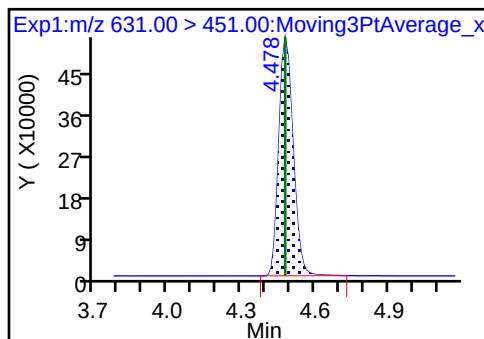
33 N-ethylperfluorooctanesulfonamid (M)

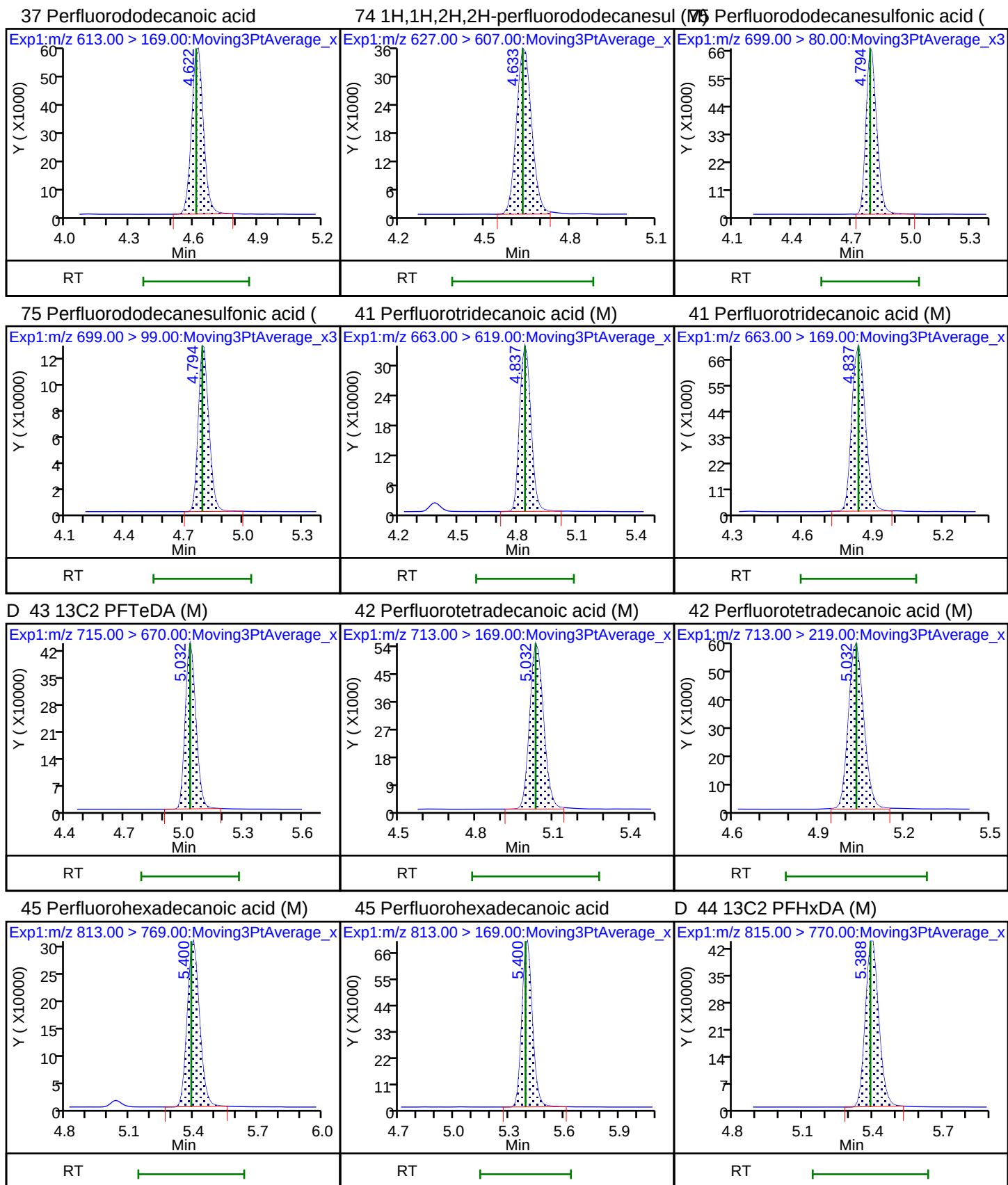


66 11-Chloroeicosafluoro-3-oxaundec (M)

36 13C2 PFDa (M)

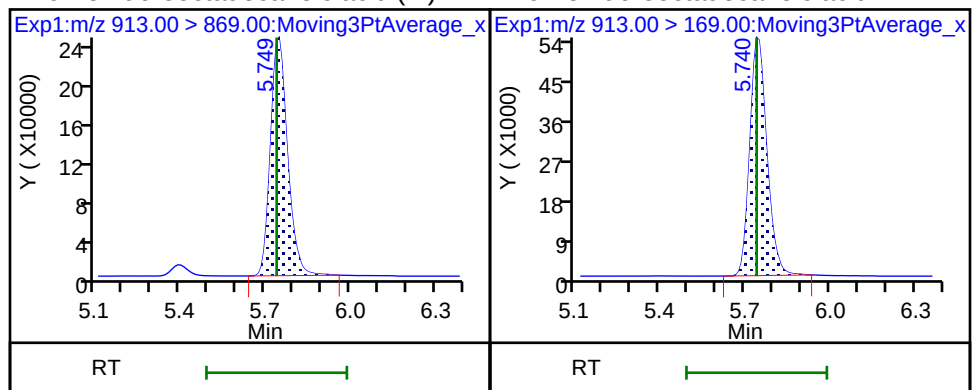
37 Perfluorododecanoic acid (M)





46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid



Eurofins Burlington

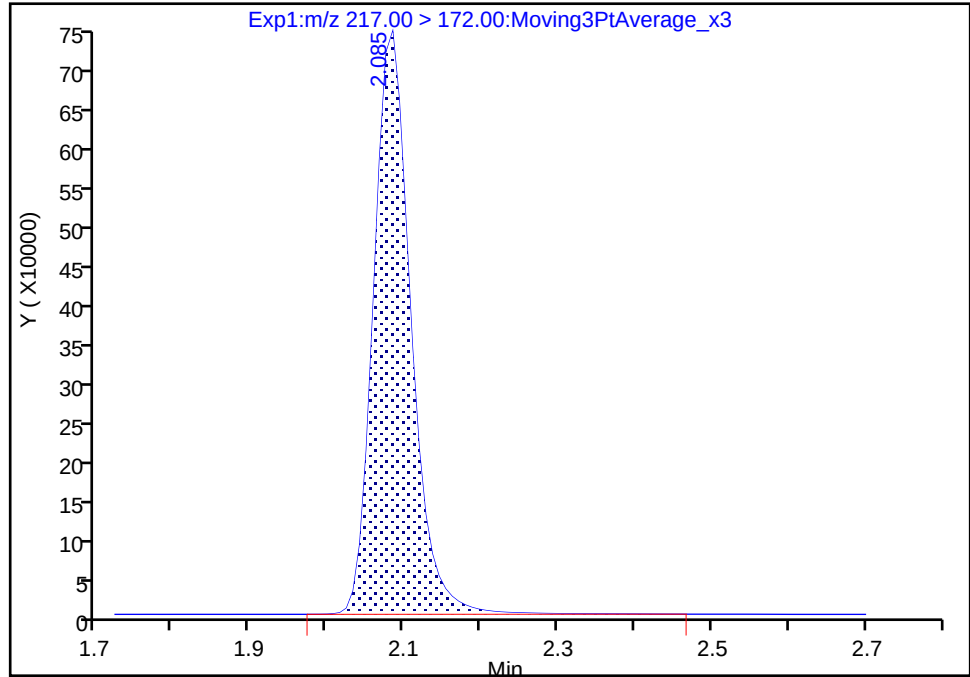
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A18.d
Injection Date: 09-Aug-2022 18:10:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 1 13C4 PFBA, CAS: STL00992

Signal: 1

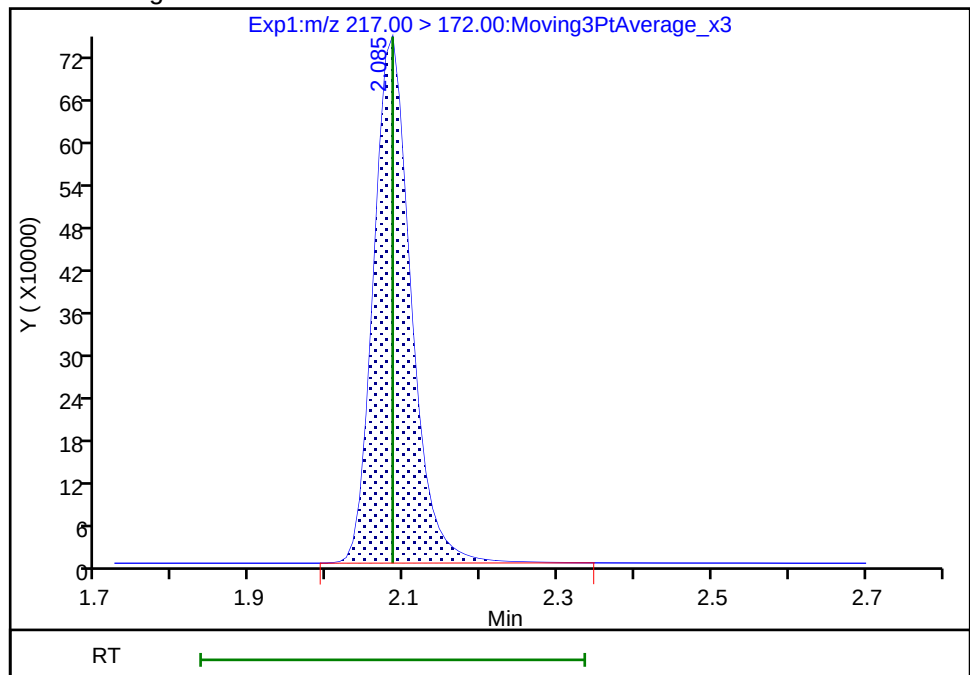
RT: 2.08
Area: 2488838
Amount: 1.147839
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 2483675
Amount: 1.145458
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:38:19
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

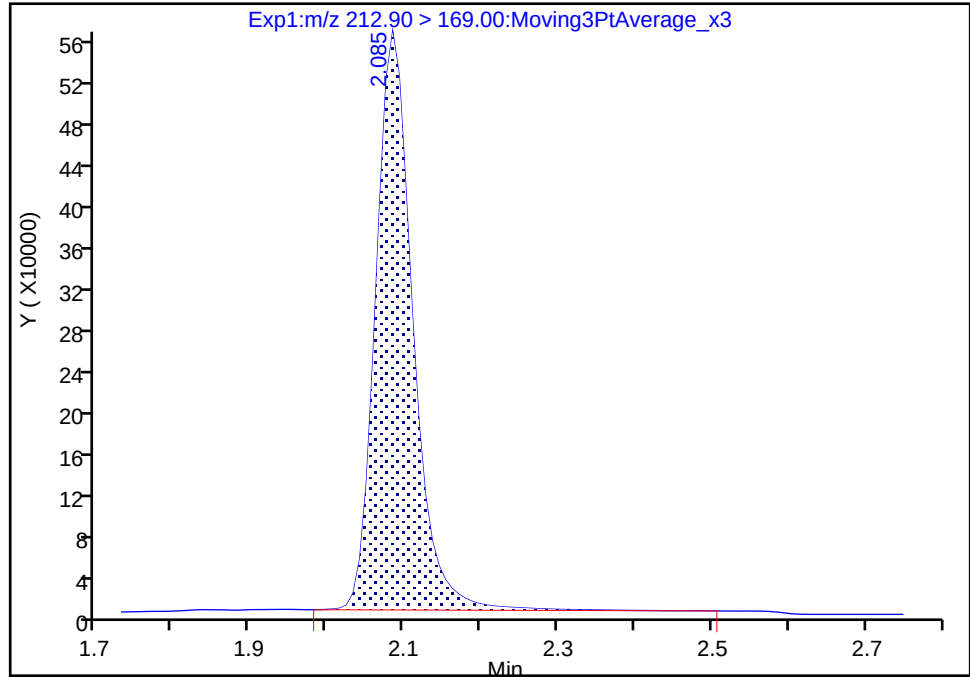
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A18.d
Injection Date: 09-Aug-2022 18:10:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

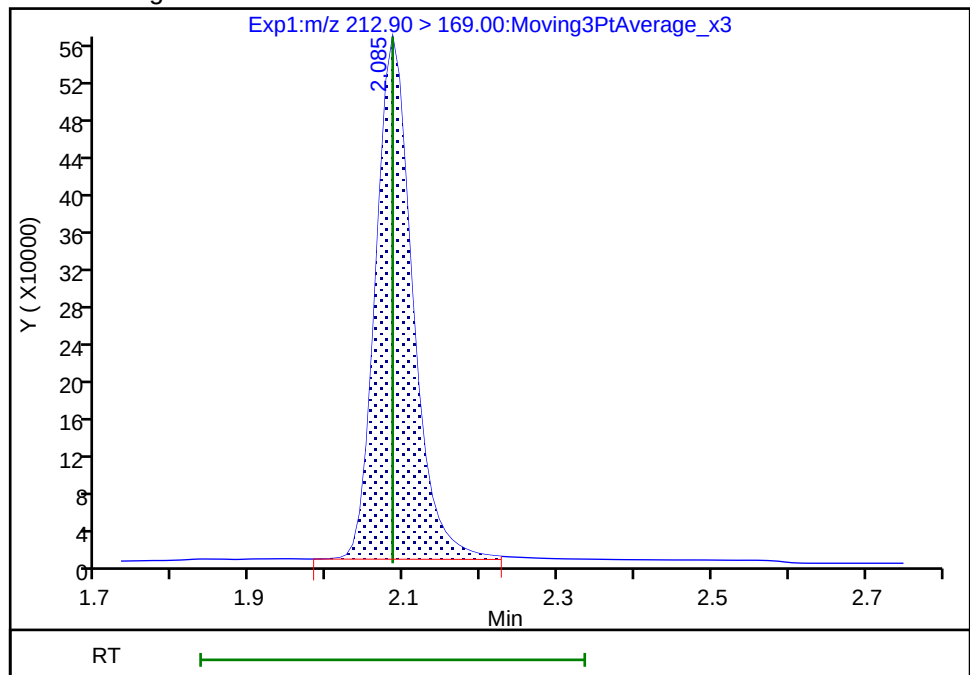
RT: 2.08
Area: 1867256
Amount: 0.967129
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 1853192
Amount: 0.961839
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:39:08

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

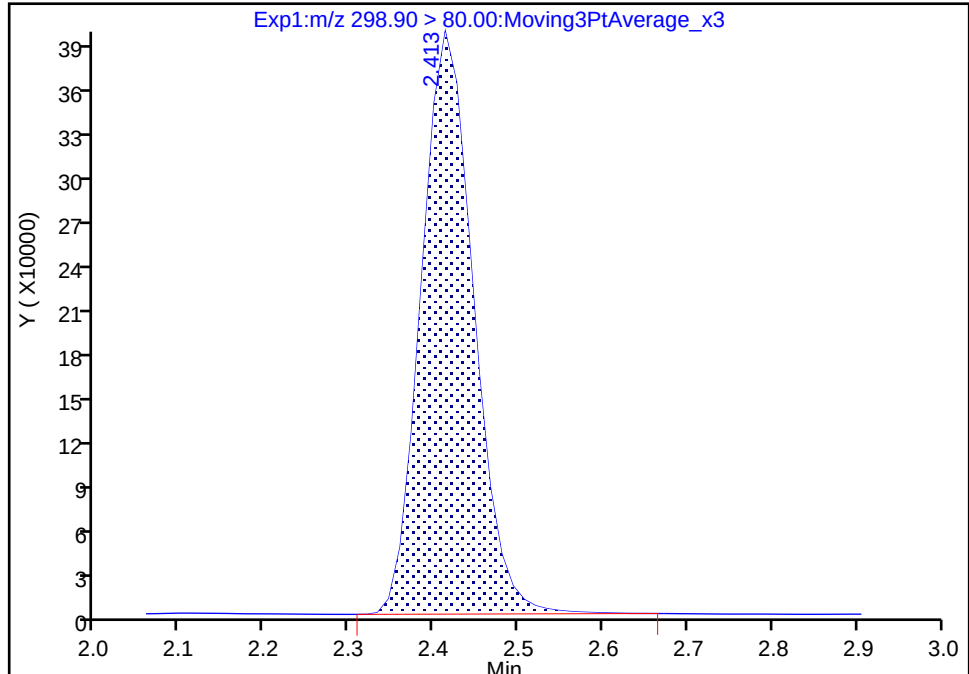
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A18.d
Injection Date: 09-Aug-2022 18:10:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

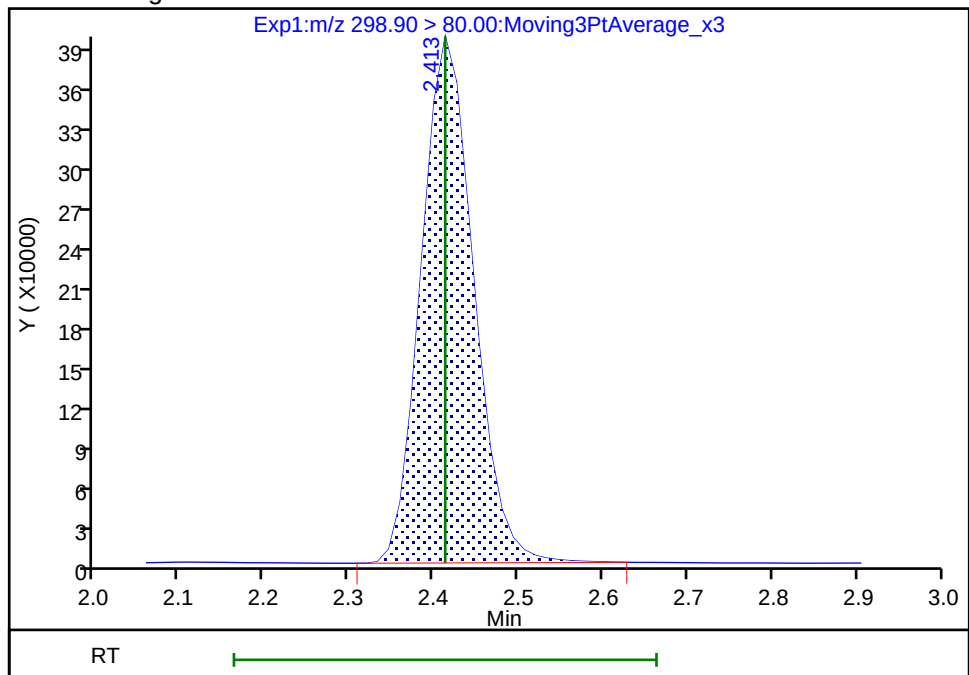
RT: 2.41
Area: 1718544
Amount: 0.858299
Amount Units: ng/ml

Processing Integration Results



RT: 2.41
Area: 1716825
Amount: 0.857441
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:39:21

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

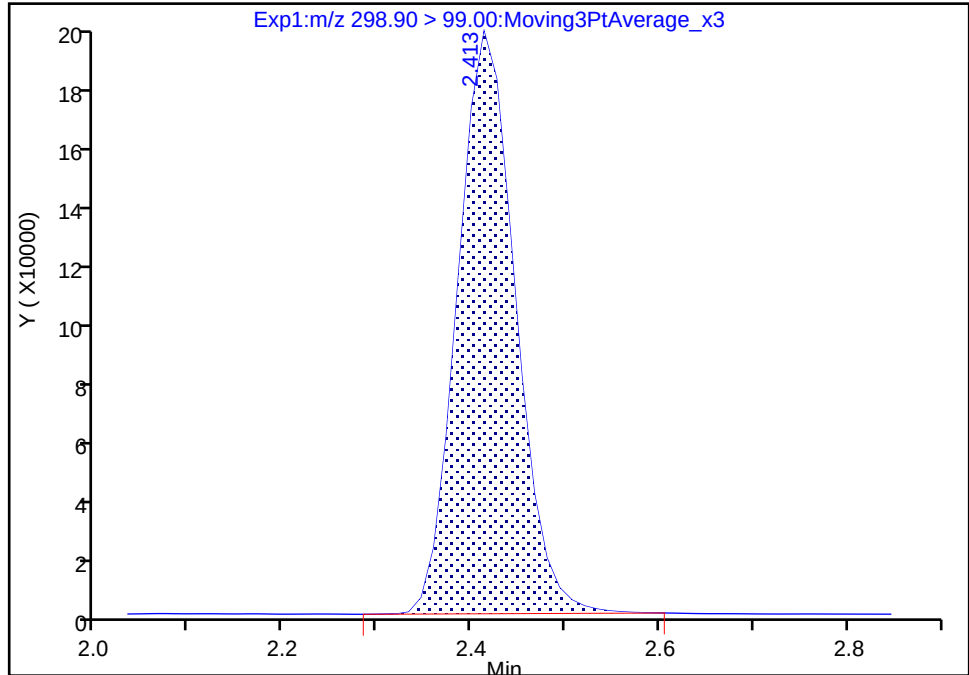
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A18.d
Injection Date: 09-Aug-2022 18:10:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

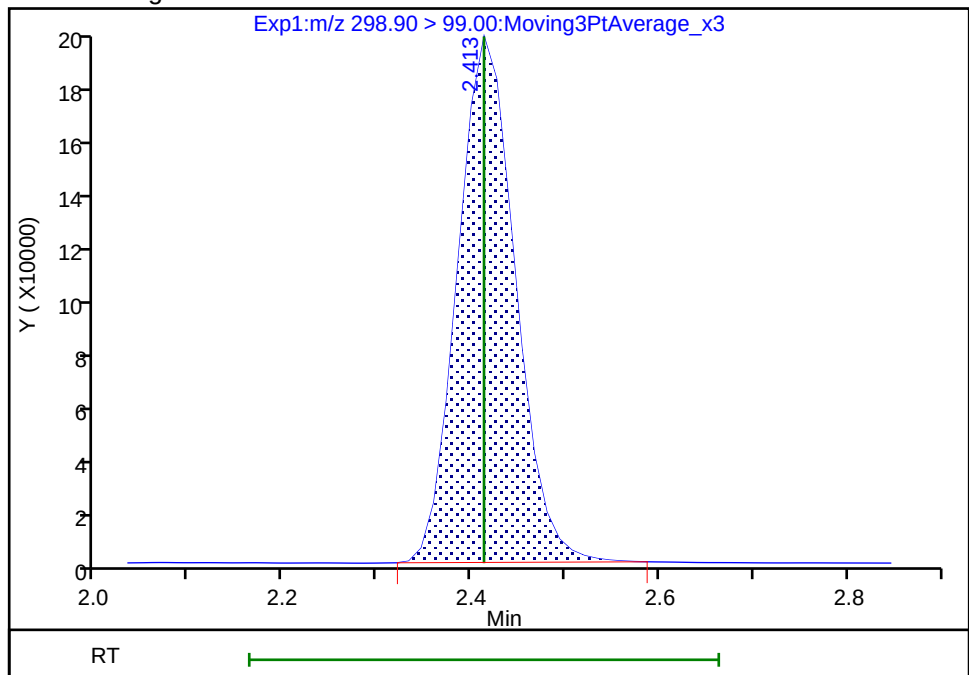
RT: 2.41
Area: 819146
Amount: 0.858299
Amount Units: ng/ml

Processing Integration Results



RT: 2.41
Area: 817451
Amount: 0.857441
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:39:24

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

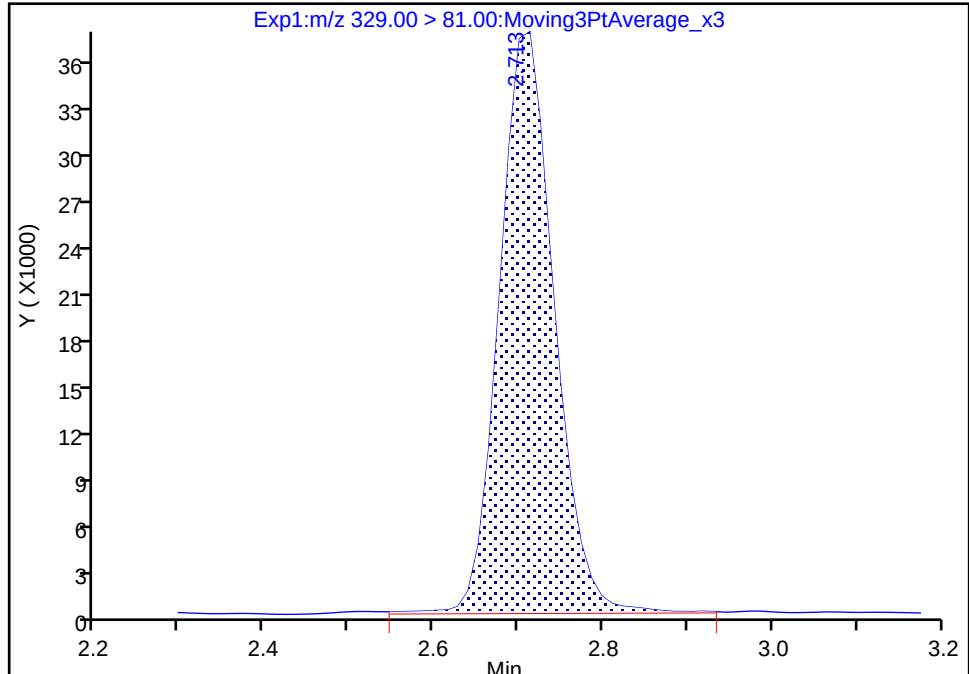
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A18.d
Injection Date: 09-Aug-2022 18:10:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

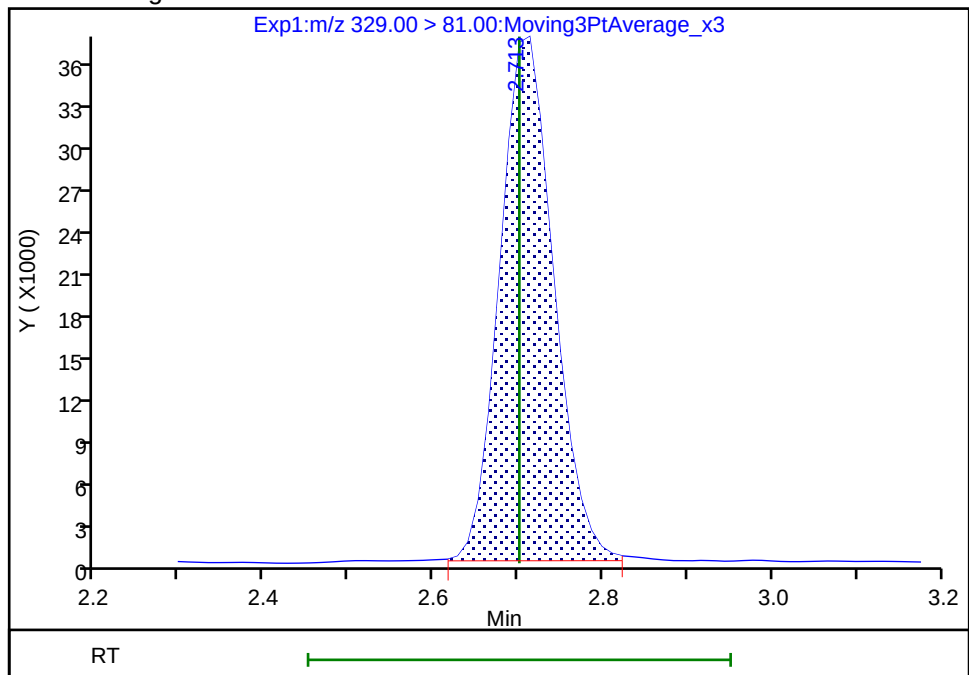
RT: 2.71
Area: 167811
Amount: 1.010111
Amount Units: ng/ml

Processing Integration Results



RT: 2.71
Area: 164270
Amount: 0.988796
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:38:26

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

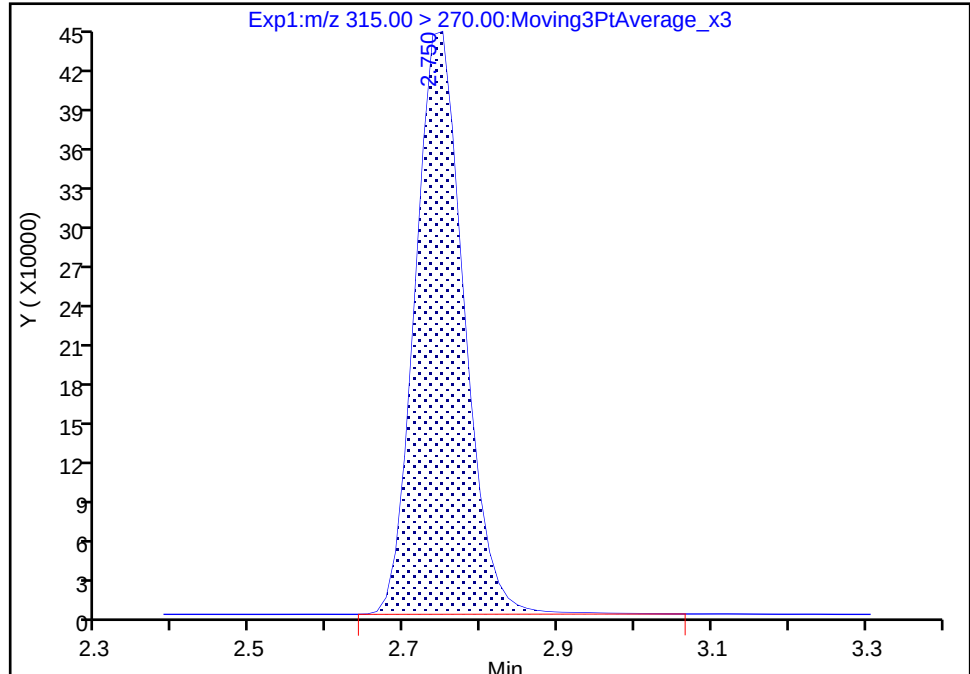
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A18.d
Injection Date: 09-Aug-2022 18:10:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 7 13C2 PFHxA, CAS: STL00993

Signal: 1

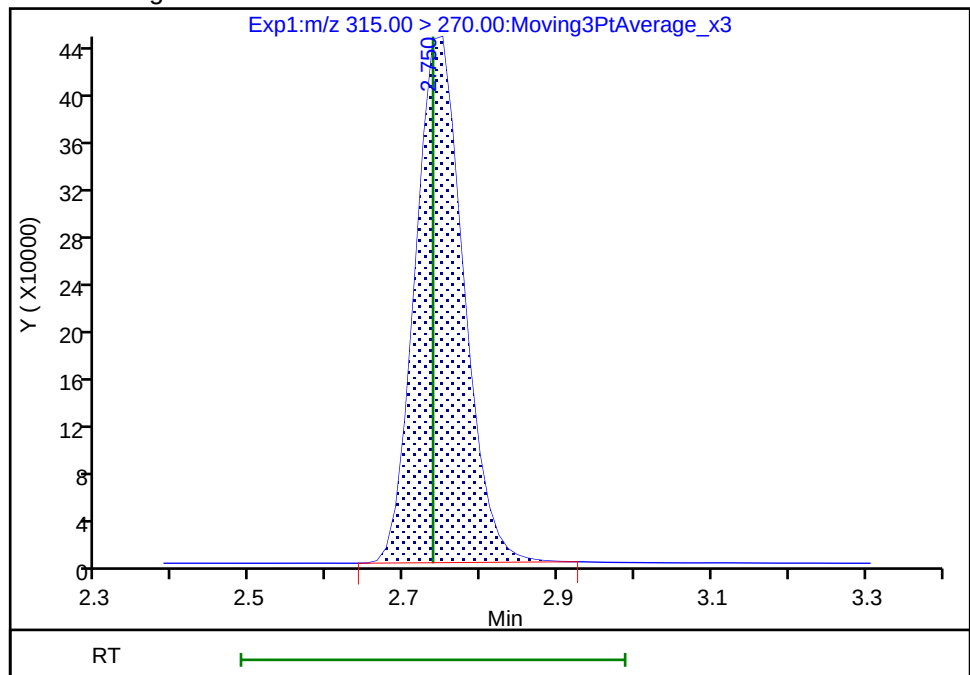
RT: 2.75
Area: 1953036
Amount: 1.172939
Amount Units: ng/ml

Processing Integration Results



RT: 2.75
Area: 1940515
Amount: 1.165419
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:38:31
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

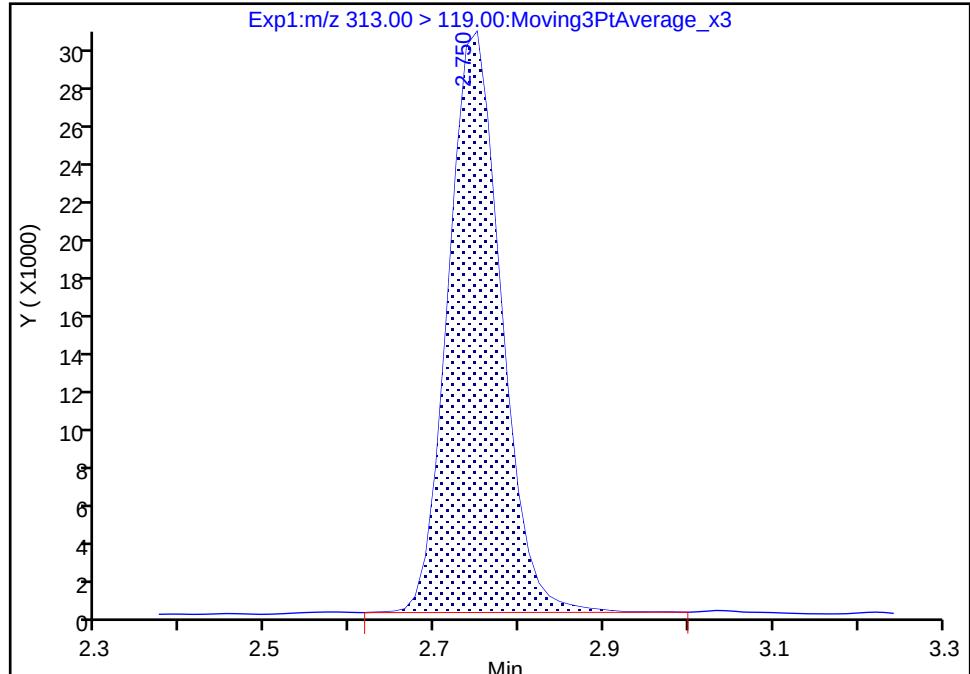
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A18.d
Injection Date: 09-Aug-2022 18:10:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

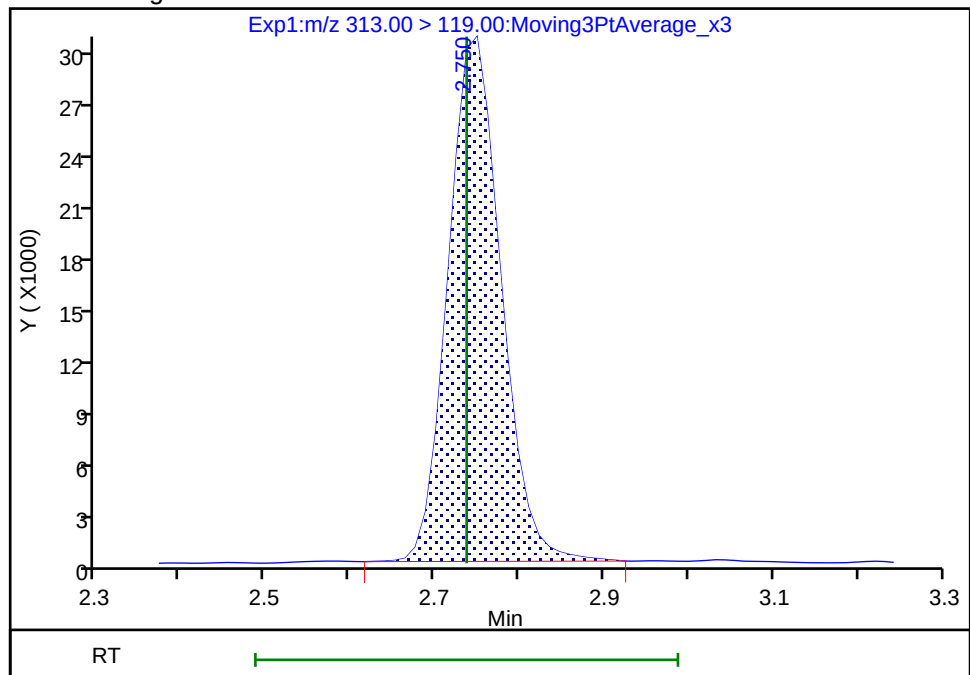
RT: 2.75
Area: 130351
Amount: 1.013903
Amount Units: ng/ml

Processing Integration Results



RT: 2.75
Area: 130085
Amount: 1.013184
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:39:36

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

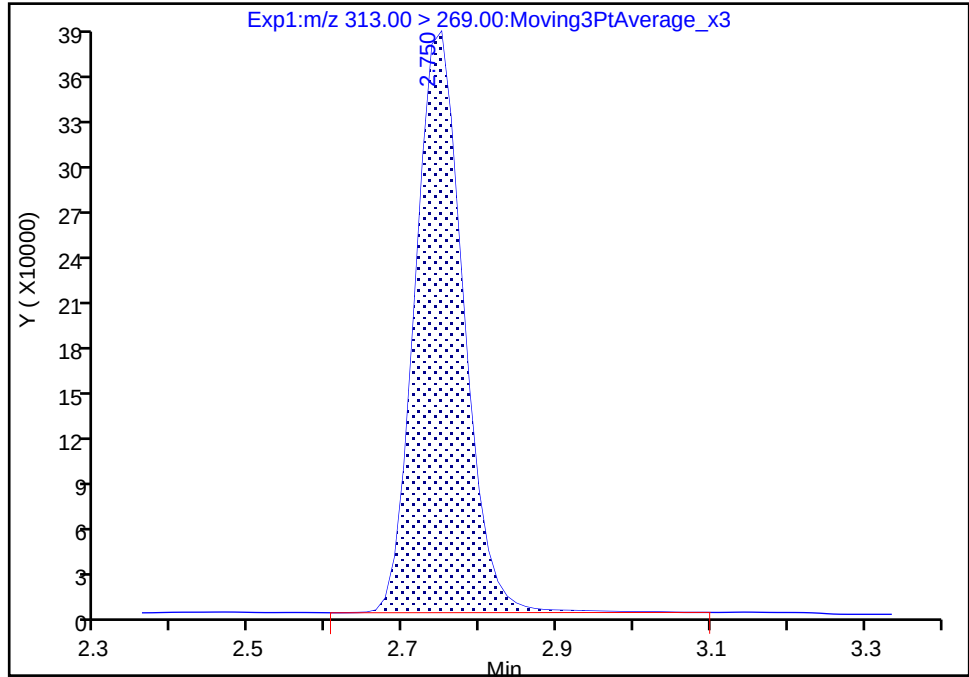
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A18.d
Injection Date: 09-Aug-2022 18:10:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

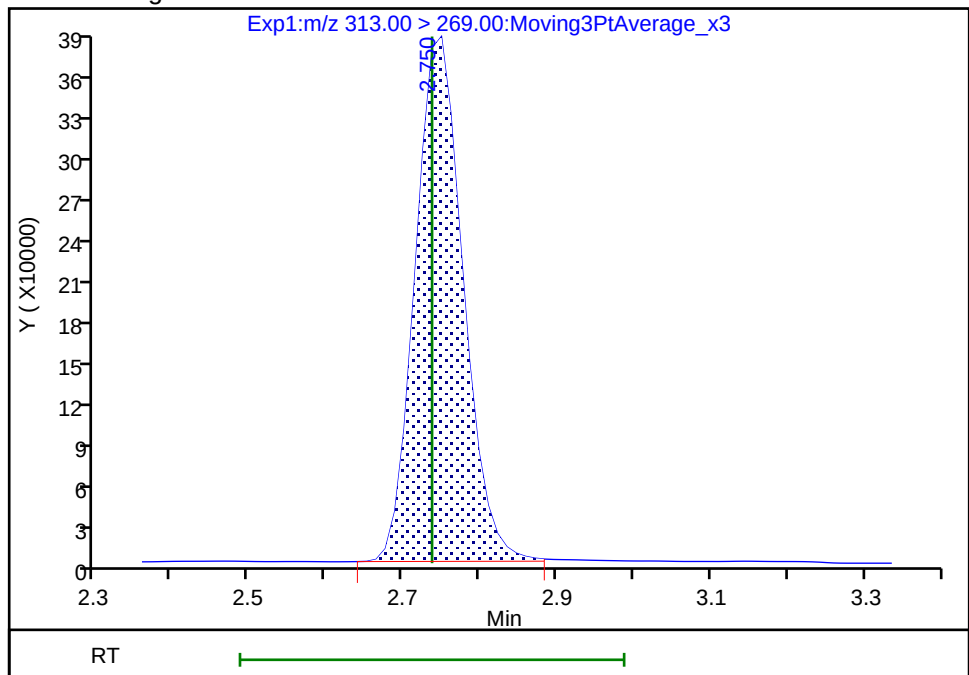
RT: 2.75
Area: 1652997
Amount: 1.013903
Amount Units: ng/ml

Processing Integration Results



RT: 2.75
Area: 1641234
Amount: 1.013184
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:39:39

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

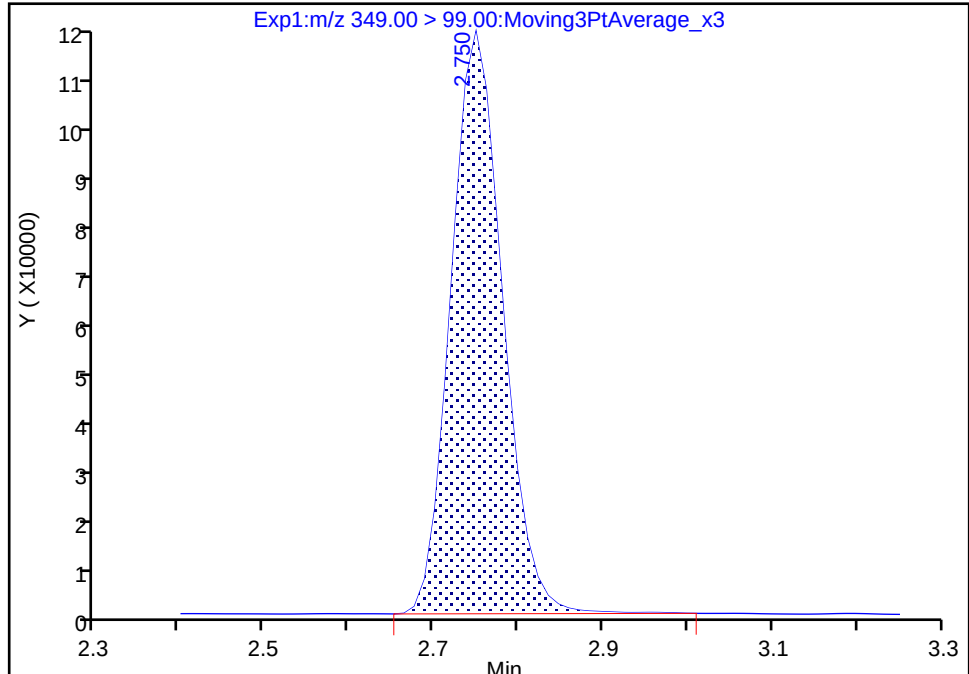
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A18.d
Injection Date: 09-Aug-2022 18:10:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 2

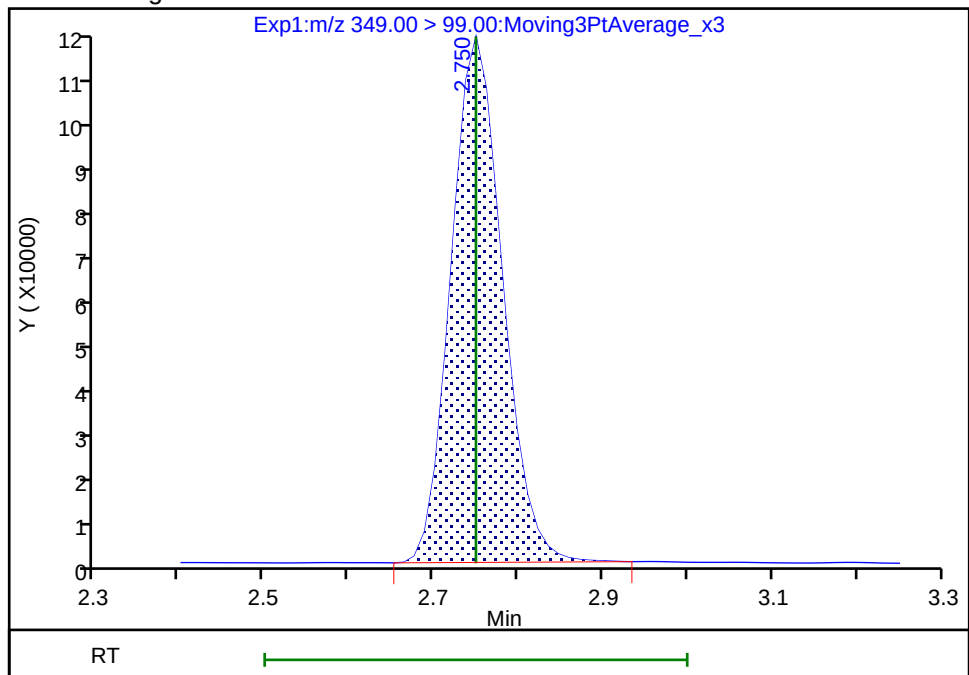
RT: 2.75
Area: 500843
Amount: 0.875438
Amount Units: ng/ml

Processing Integration Results



RT: 2.75
Area: 498749
Amount: 0.875438
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:39:46

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

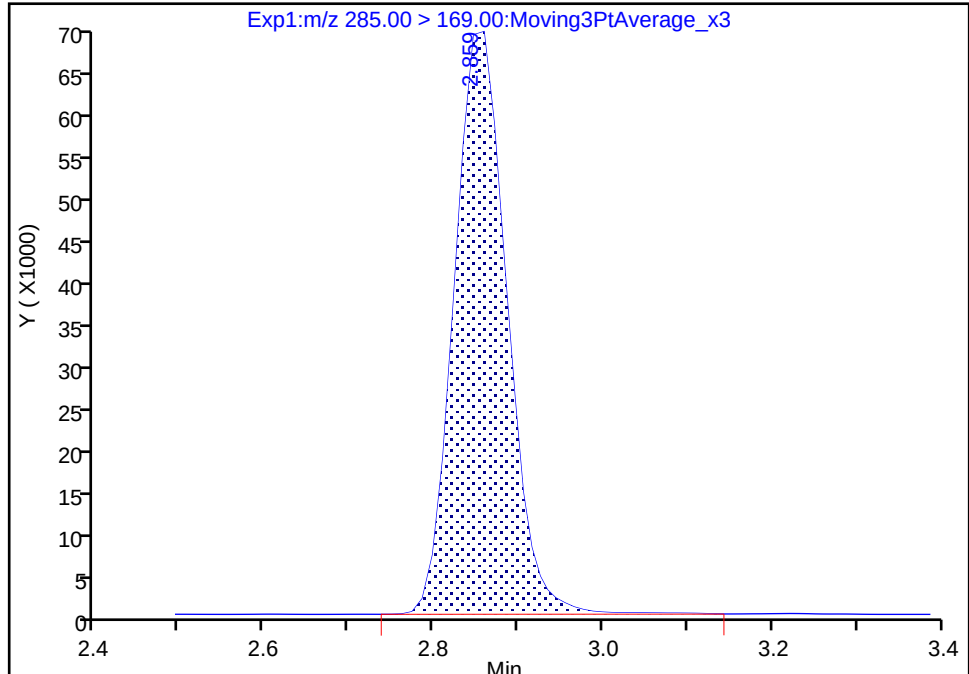
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A18.d
Injection Date: 09-Aug-2022 18:10:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

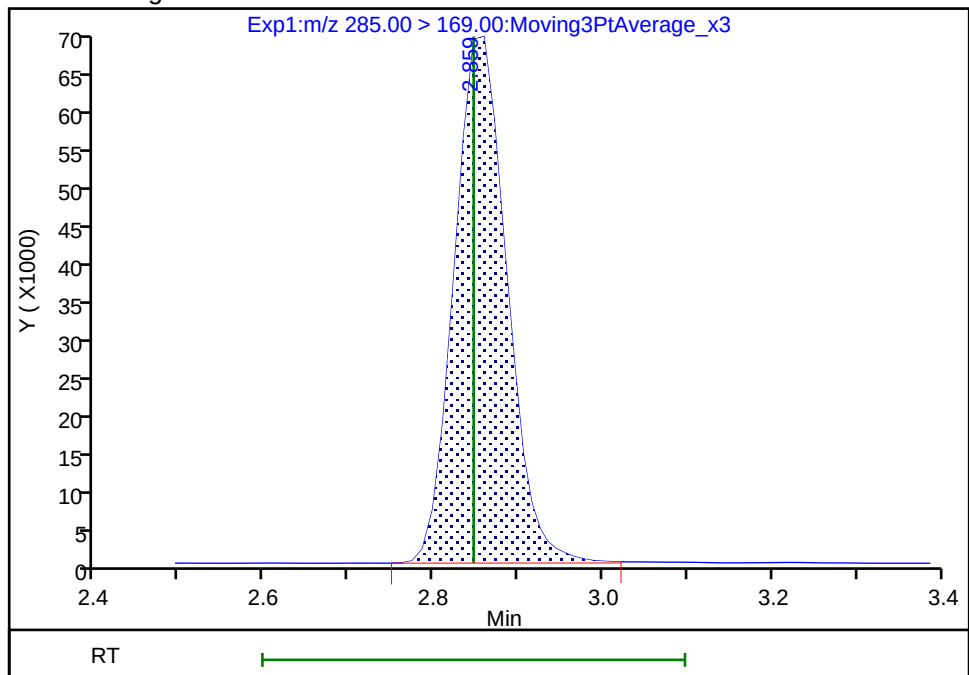
RT: 2.86
Area: 303018
Amount: 0.979323
Amount Units: ng/ml

Processing Integration Results



RT: 2.86
Area: 302113
Amount: 0.976398
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:39:57

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

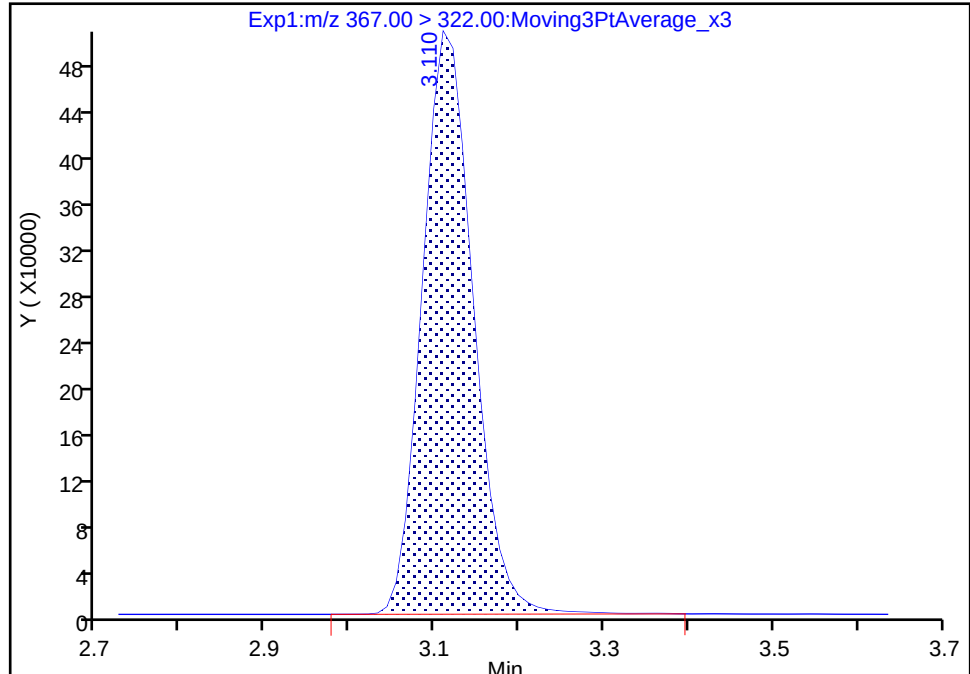
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A18.d
Injection Date: 09-Aug-2022 18:10:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 9 13C4 PFHpA, CAS: STL01892

Signal: 1

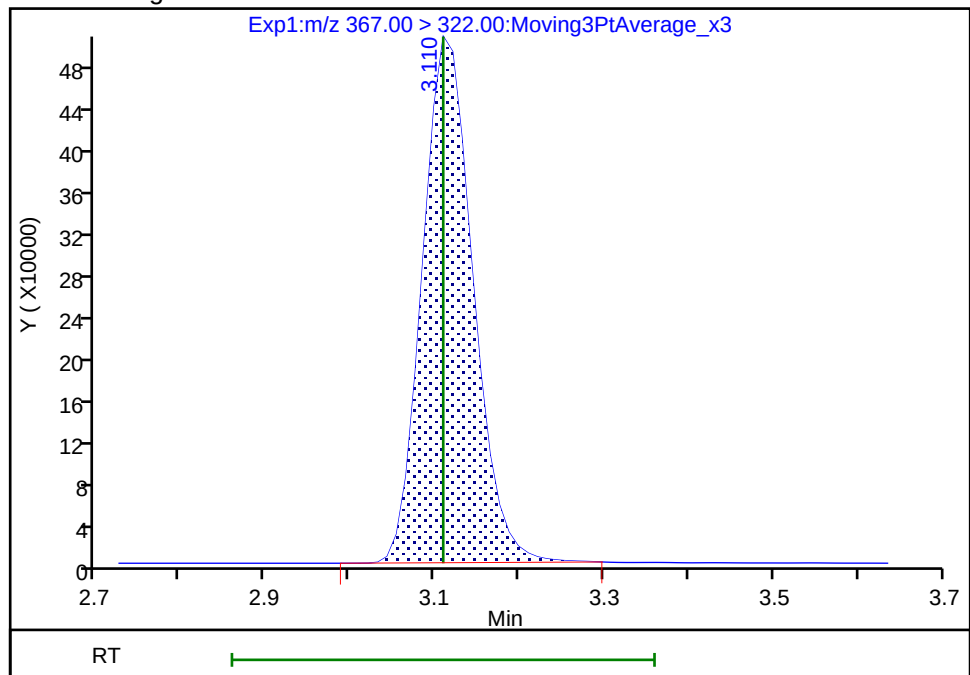
RT: 3.11
Area: 2087675
Amount: 1.208776
Amount Units: ng/ml

Processing Integration Results



RT: 3.11
Area: 2077337
Amount: 1.202790
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:38:44
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

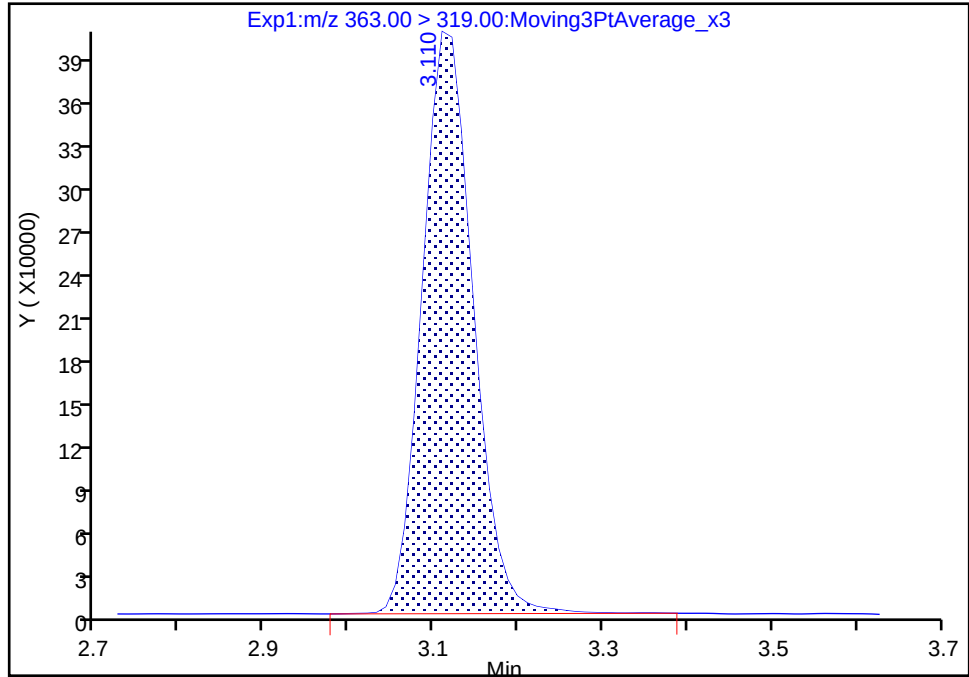
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A18.d
Injection Date: 09-Aug-2022 18:10:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

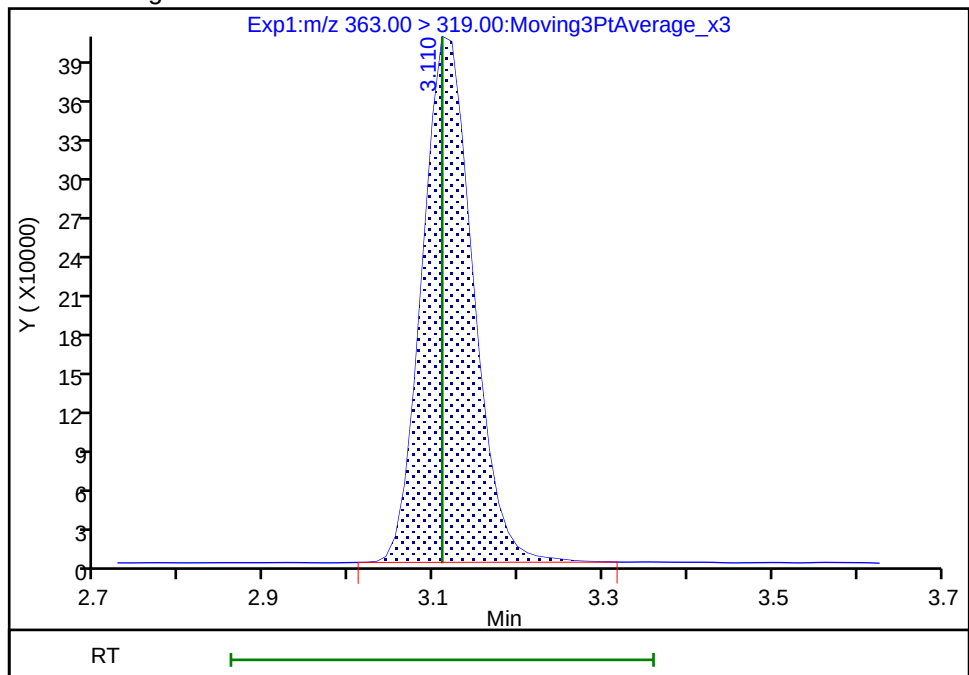
RT: 3.11
Area: 1679485
Amount: 0.975739
Amount Units: ng/ml

Processing Integration Results



RT: 3.11
Area: 1674510
Amount: 0.977690
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:40:30

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

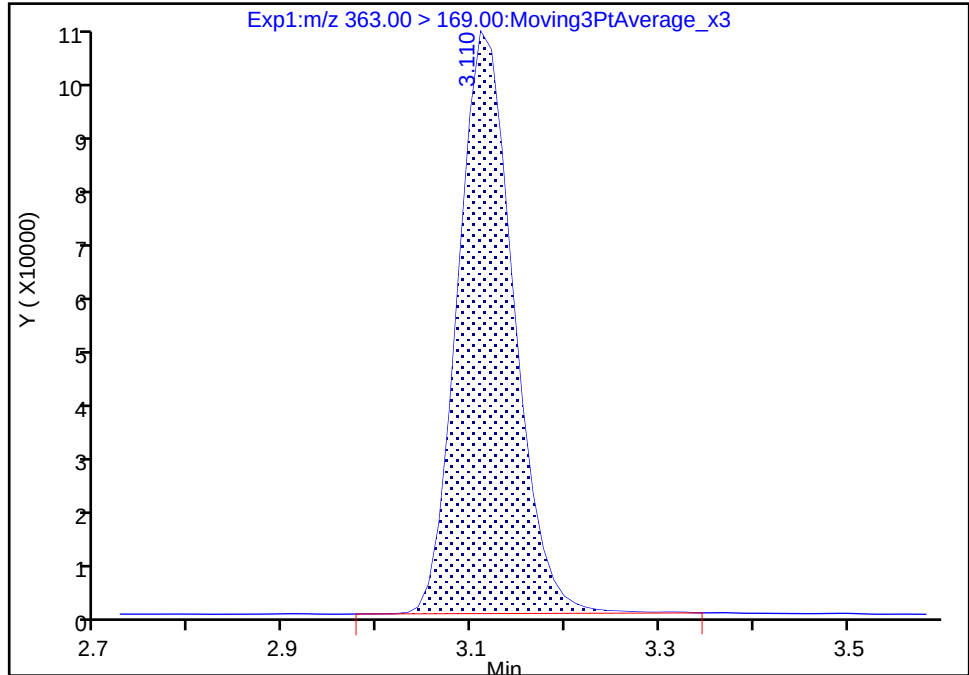
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A18.d
Injection Date: 09-Aug-2022 18:10:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

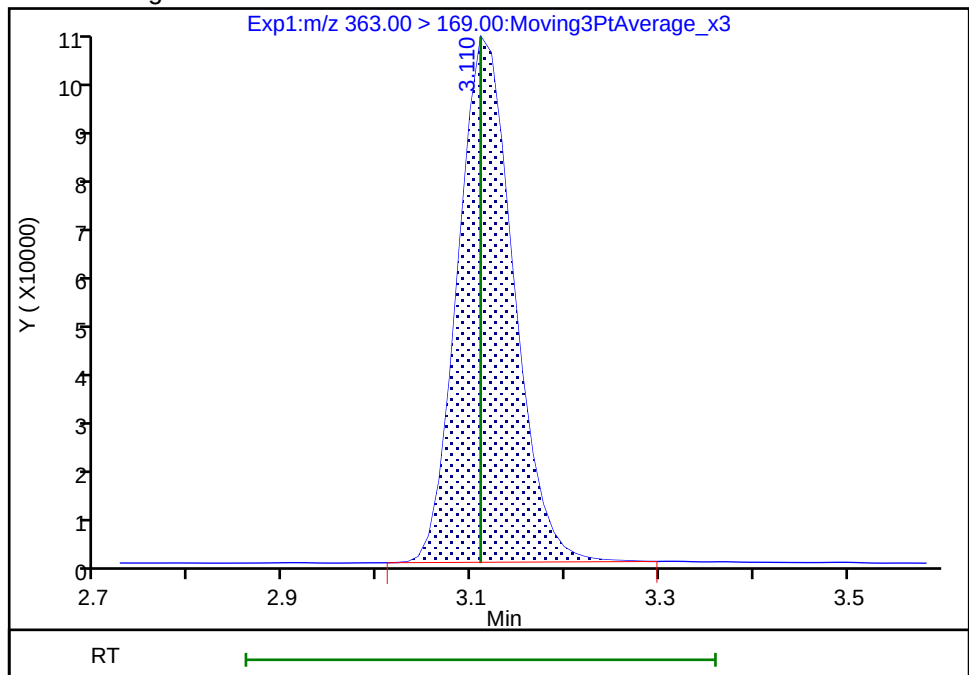
RT: 3.11
Area: 451452
Amount: 0.975739
Amount Units: ng/ml

Processing Integration Results



RT: 3.11
Area: 449993
Amount: 0.977690
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:40:36

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

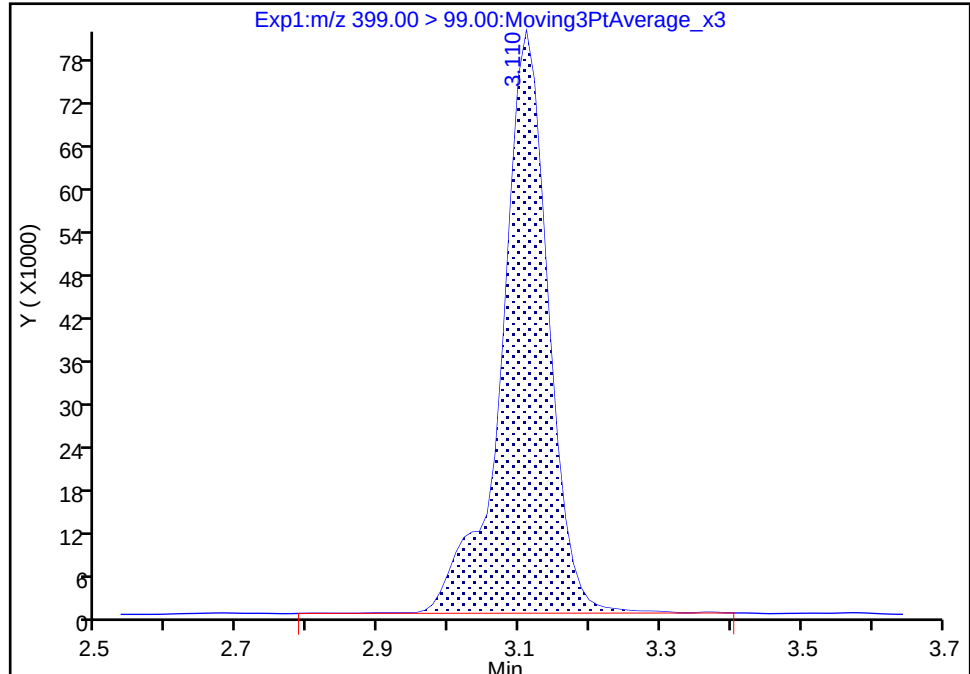
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A18.d
Injection Date: 09-Aug-2022 18:10:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

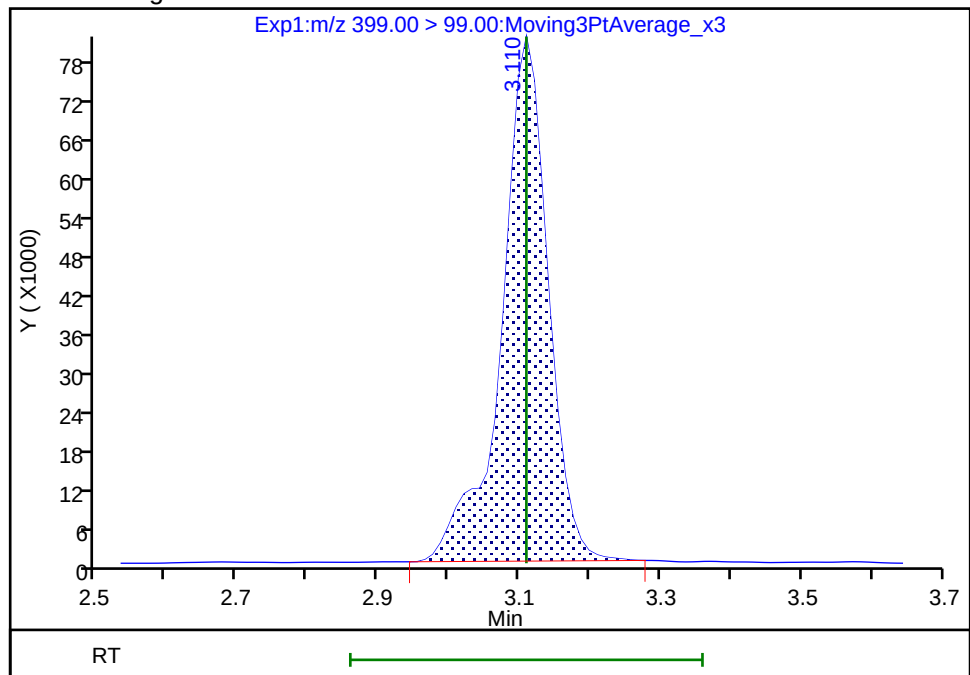
RT: 3.11
Area: 376311
Amount: 0.875650
Amount Units: ng/ml

Processing Integration Results



RT: 3.11
Area: 371888
Amount: 0.868317
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:40:22

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

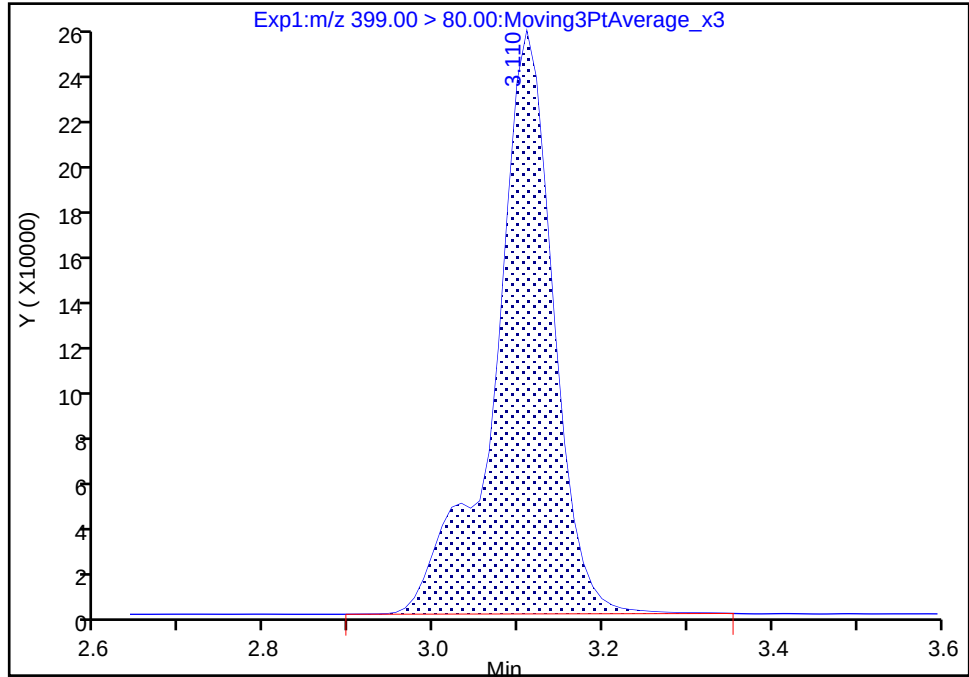
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A18.d
Injection Date: 09-Aug-2022 18:10:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

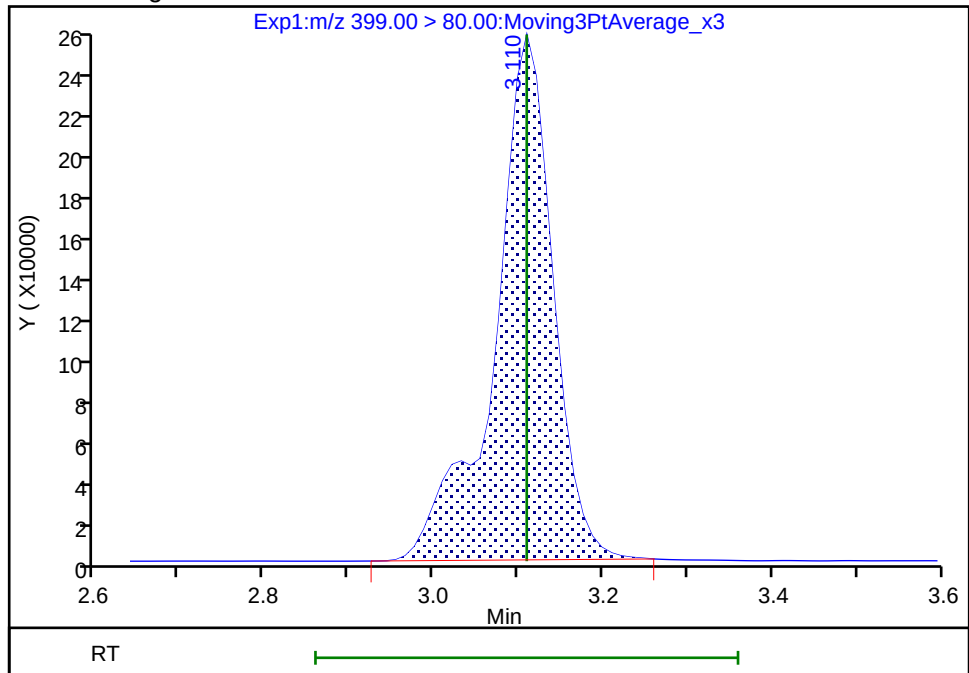
RT: 3.11
Area: 1239576
Amount: 0.875650
Amount Units: ng/ml

Processing Integration Results



RT: 3.11
Area: 1229195
Amount: 0.868317
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:38:39

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

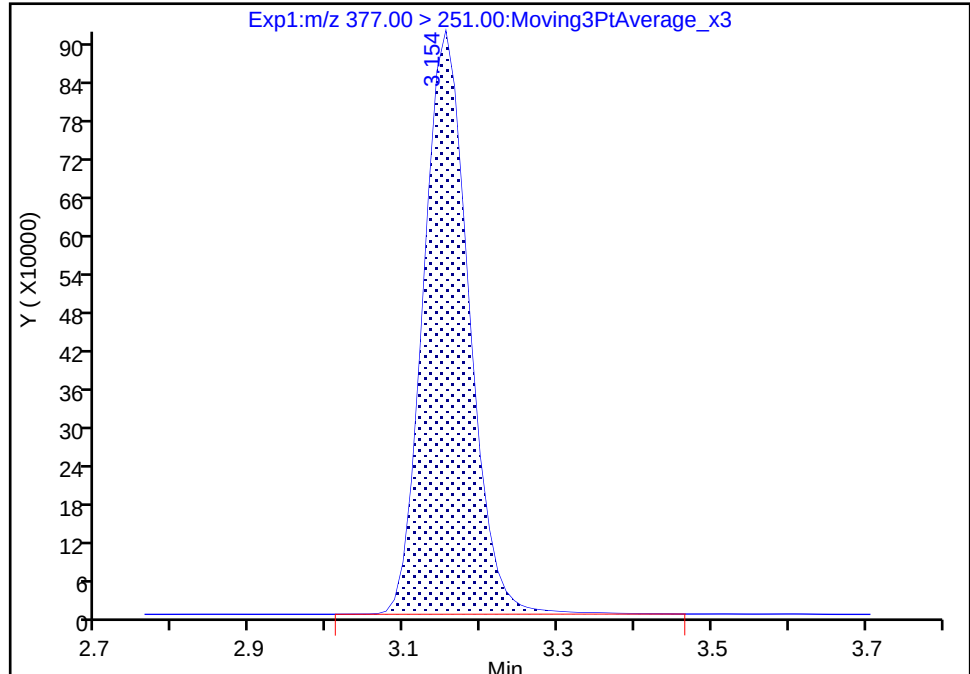
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A18.d
Injection Date: 09-Aug-2022 18:10:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

77 DONA, CAS: 919005-14-4

Signal: 1

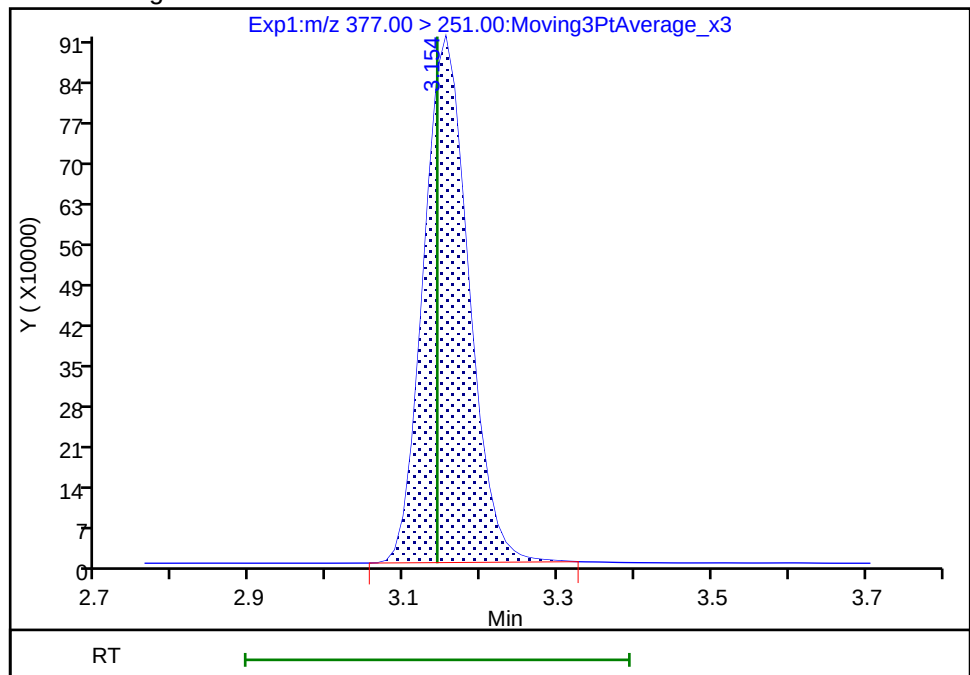
RT: 3.15
Area: 3751048
Amount: 0.988506
Amount Units: ng/ml

Processing Integration Results



RT: 3.15
Area: 3723710
Amount: 0.981302
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:40:41
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

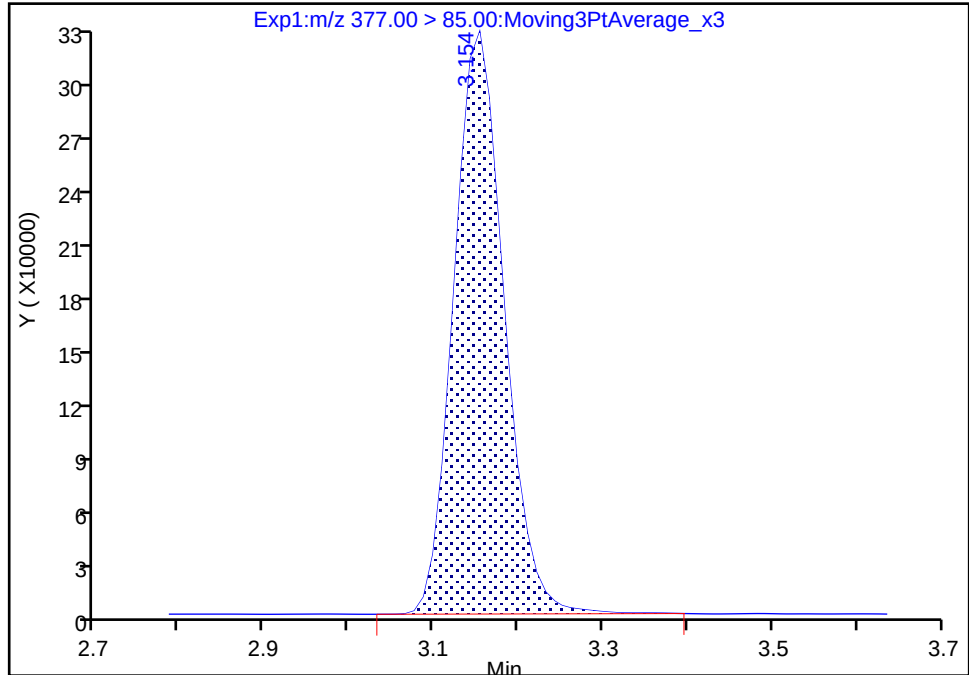
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A18.d
Injection Date: 09-Aug-2022 18:10:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

77 DONA, CAS: 919005-14-4

Signal: 2

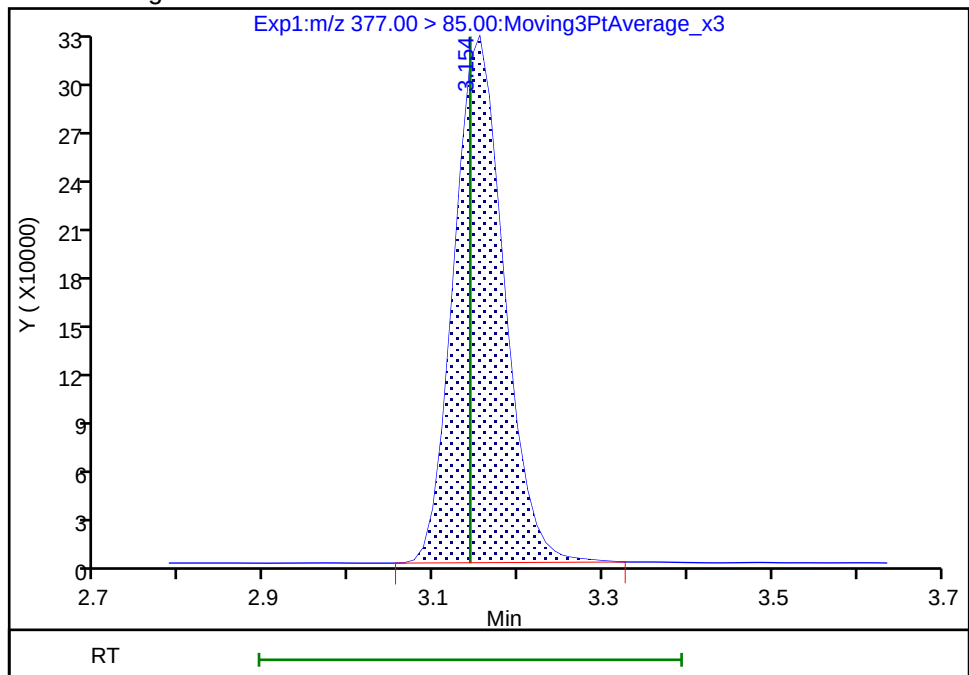
RT: 3.15
Area: 1318787
Amount: 0.988506
Amount Units: ng/ml

Processing Integration Results



RT: 3.15
Area: 1314309
Amount: 0.981302
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:40:47

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

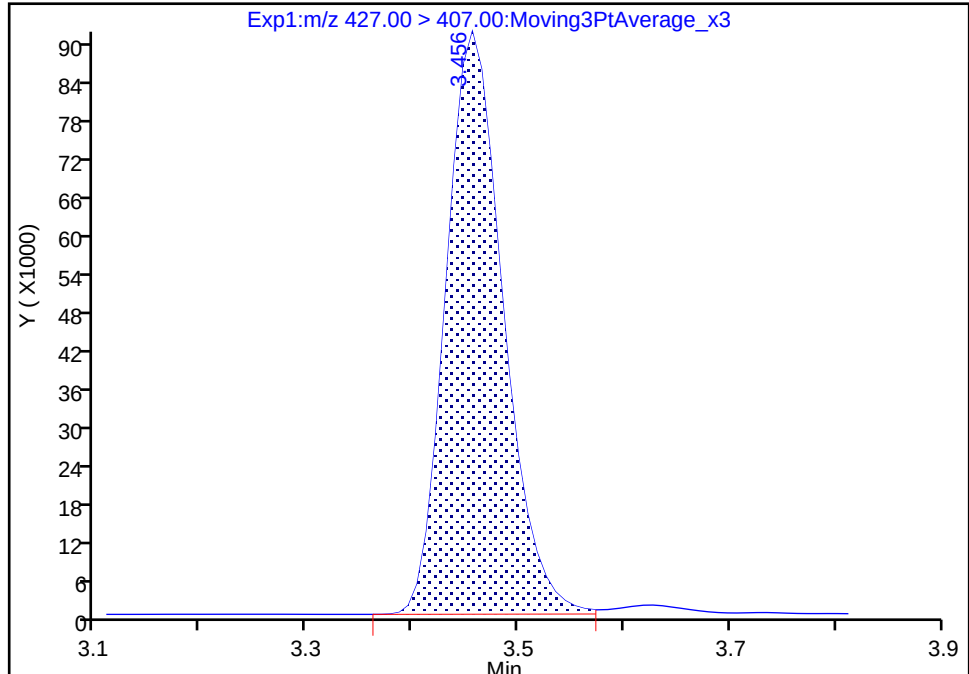
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A18.d
Injection Date: 09-Aug-2022 18:10:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

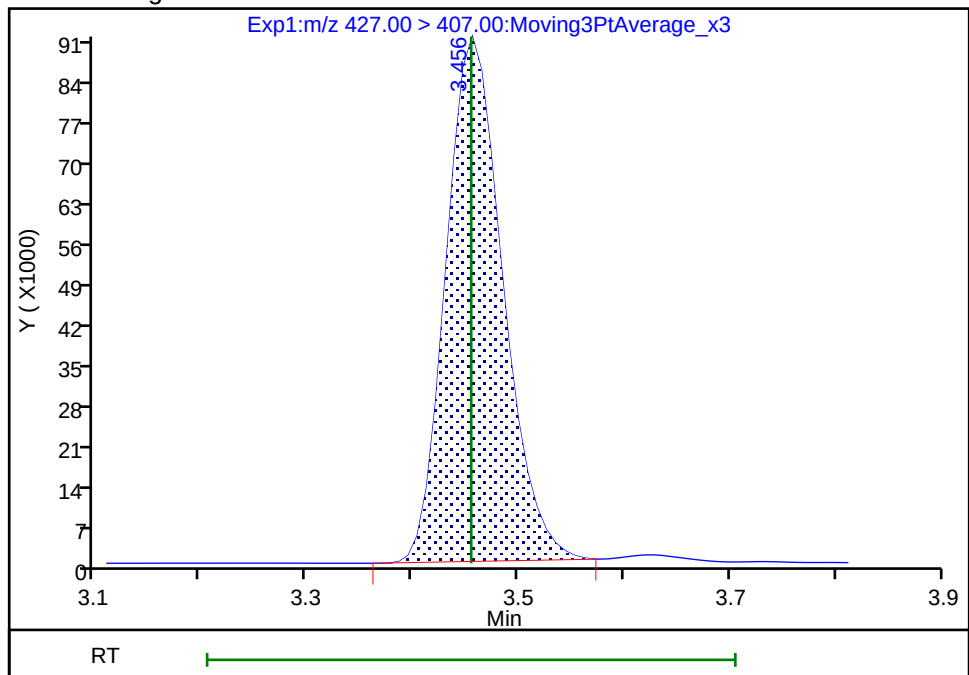
RT: 3.46
Area: 342568
Amount: 1.010445
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 338483
Amount: 0.998195
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:38:52
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

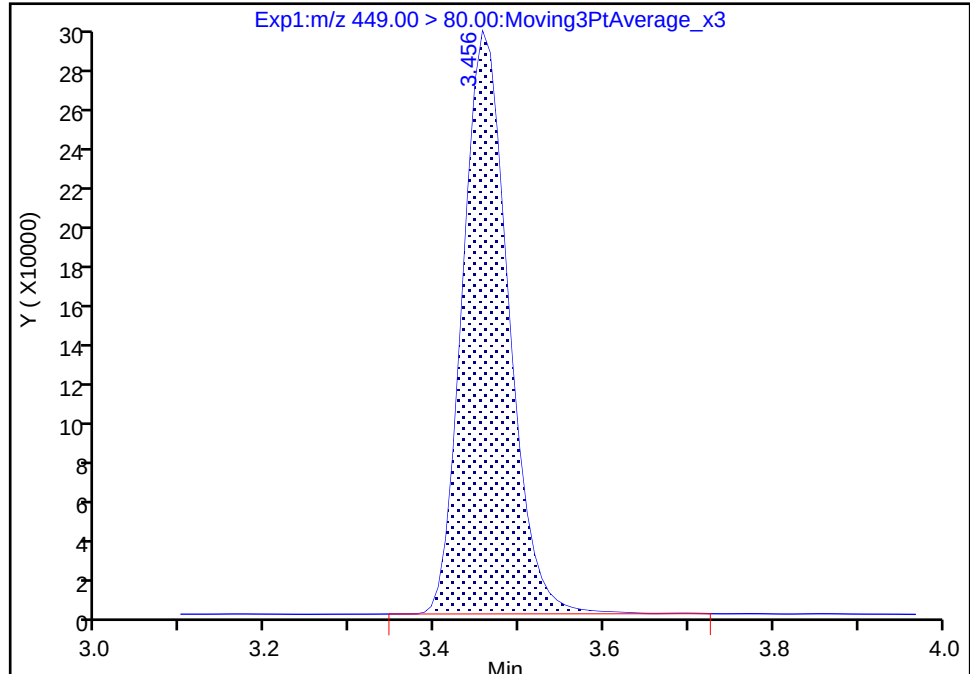
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A18.d
Injection Date: 09-Aug-2022 18:10:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

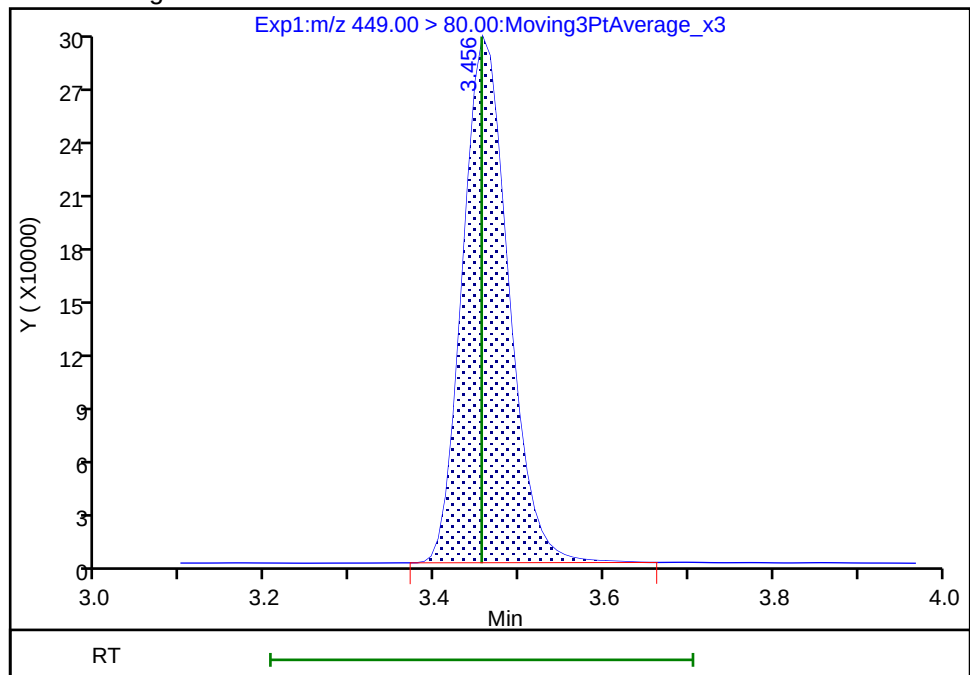
RT: 3.46
Area: 1101929
Amount: 0.967665
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 1100013
Amount: 0.965982
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:40:56

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

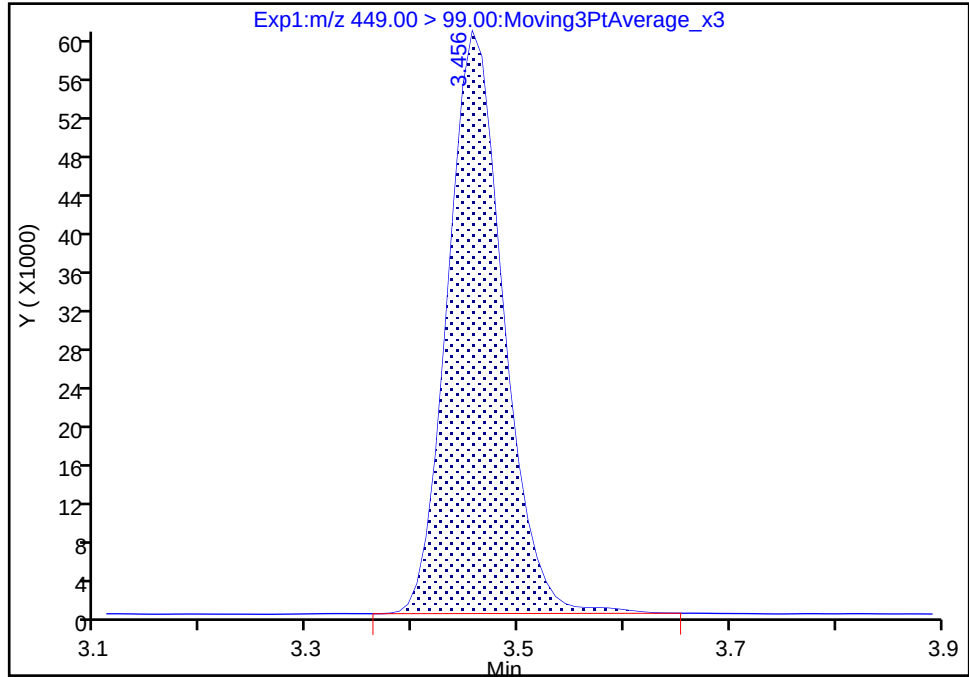
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A18.d
Injection Date: 09-Aug-2022 18:10:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

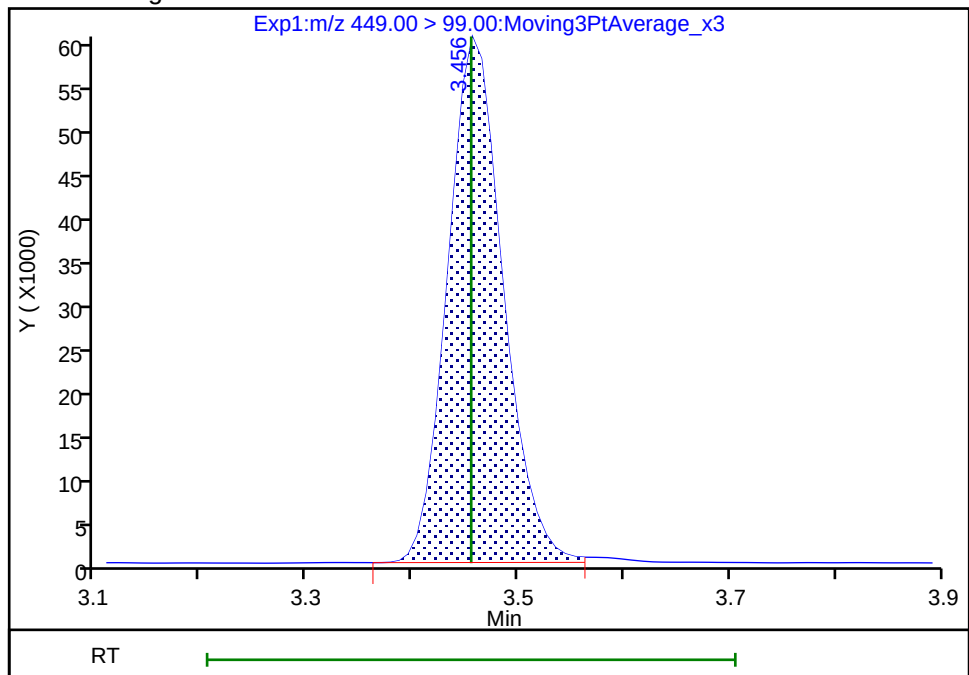
RT: 3.46
Area: 219630
Amount: 0.967665
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 218175
Amount: 0.965982
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:41:02

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

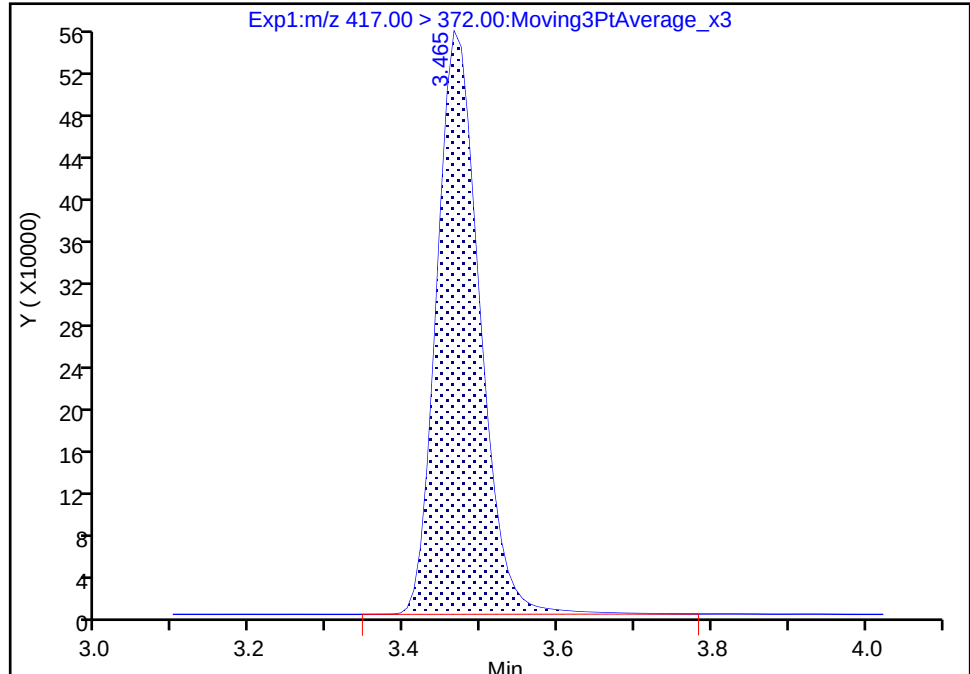
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A18.d
Injection Date: 09-Aug-2022 18:10:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 14 13C4 PFOA, CAS: STL00990

Signal: 1

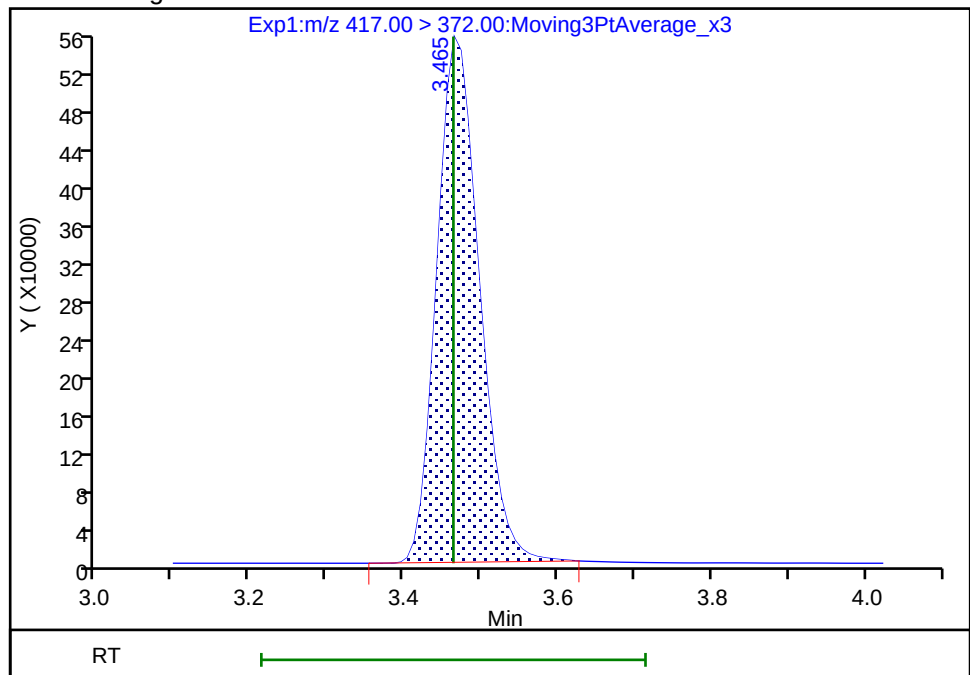
RT: 3.46
Area: 2145178
Amount: 1.212151
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 2120239
Amount: 1.198059
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:39:03
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

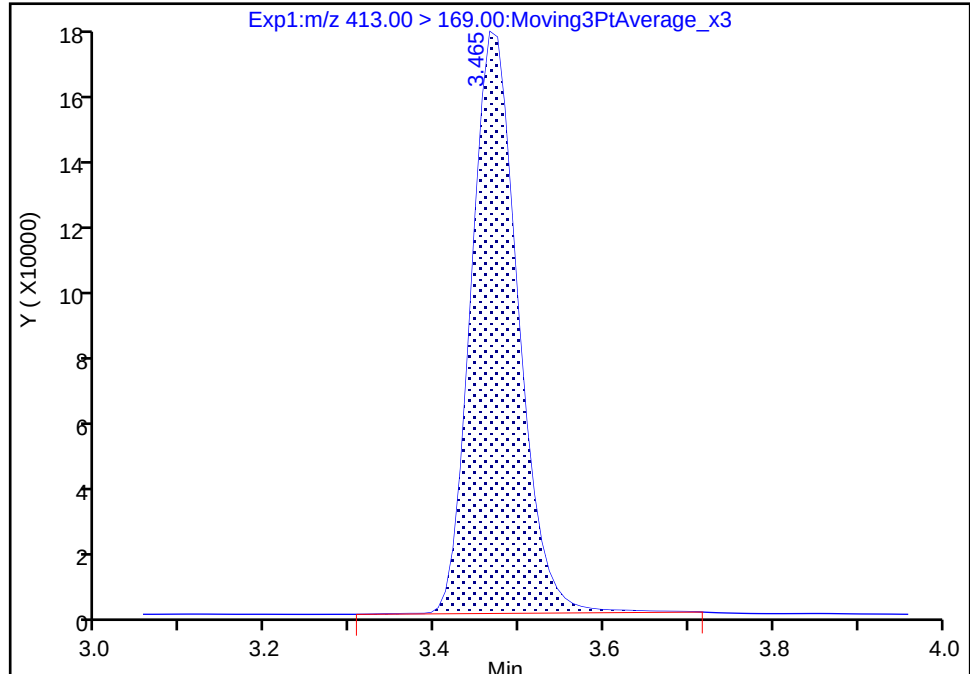
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A18.d
Injection Date: 09-Aug-2022 18:10:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

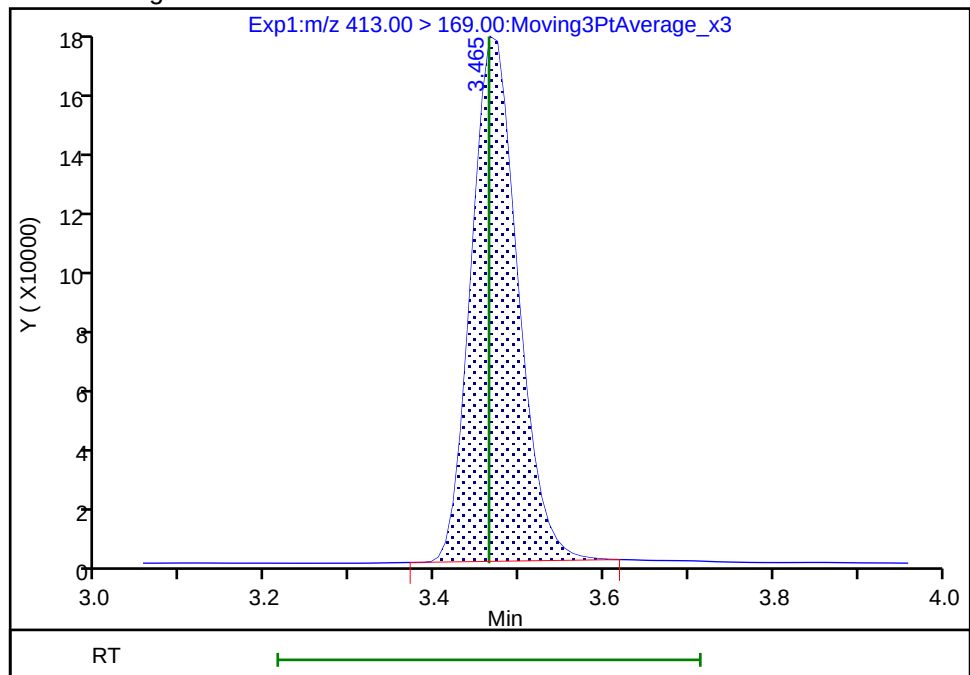
RT: 3.46
Area: 685837
Amount: 0.977561
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 677221
Amount: 0.989060
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:38:59
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

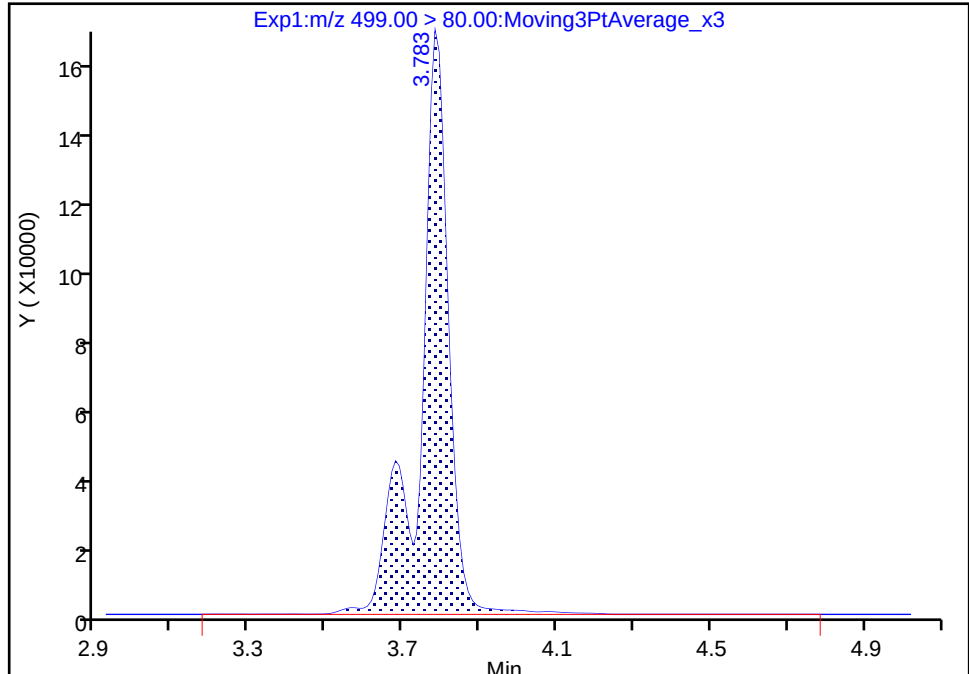
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A18.d
Injection Date: 09-Aug-2022 18:10:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

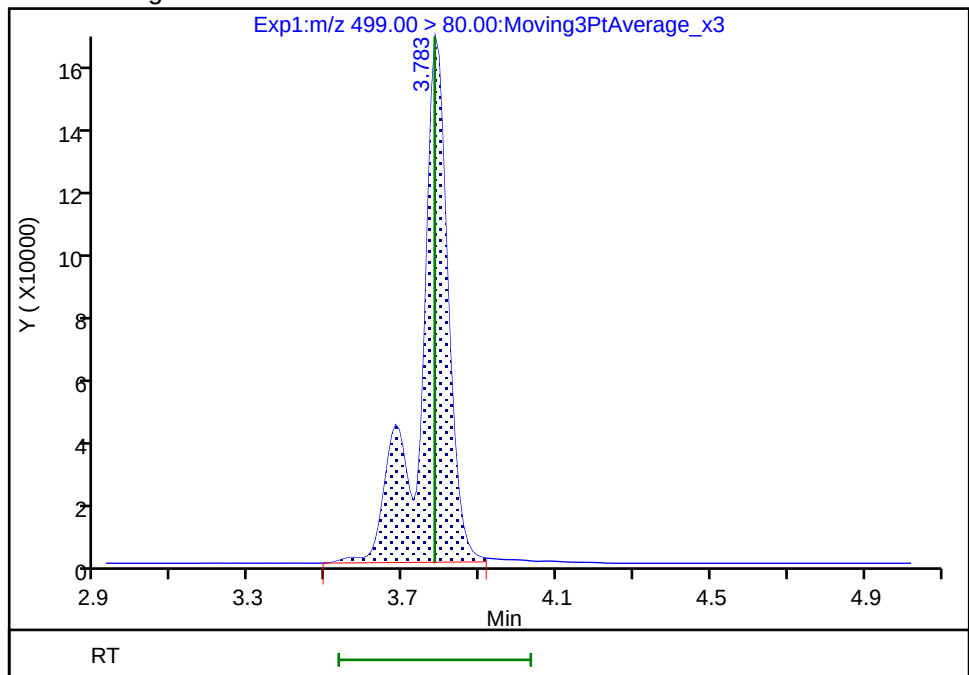
RT: 3.78
Area: 883405
Amount: 0.945255
Amount Units: ng/ml

Processing Integration Results



RT: 3.78
Area: 863202
Amount: 0.923215
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:41:35

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

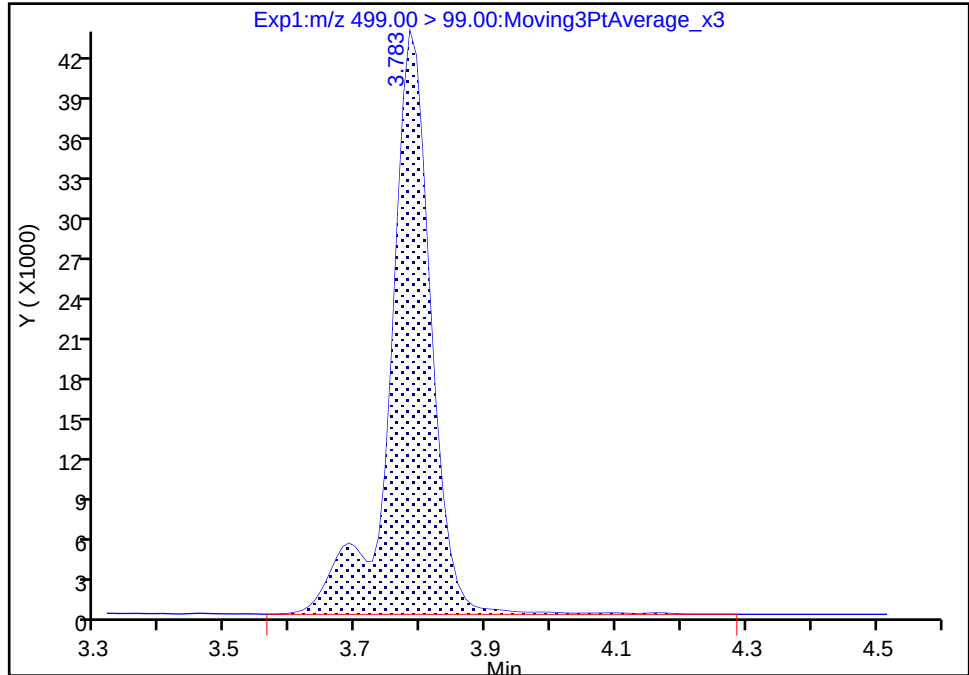
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A18.d
Injection Date: 09-Aug-2022 18:10:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

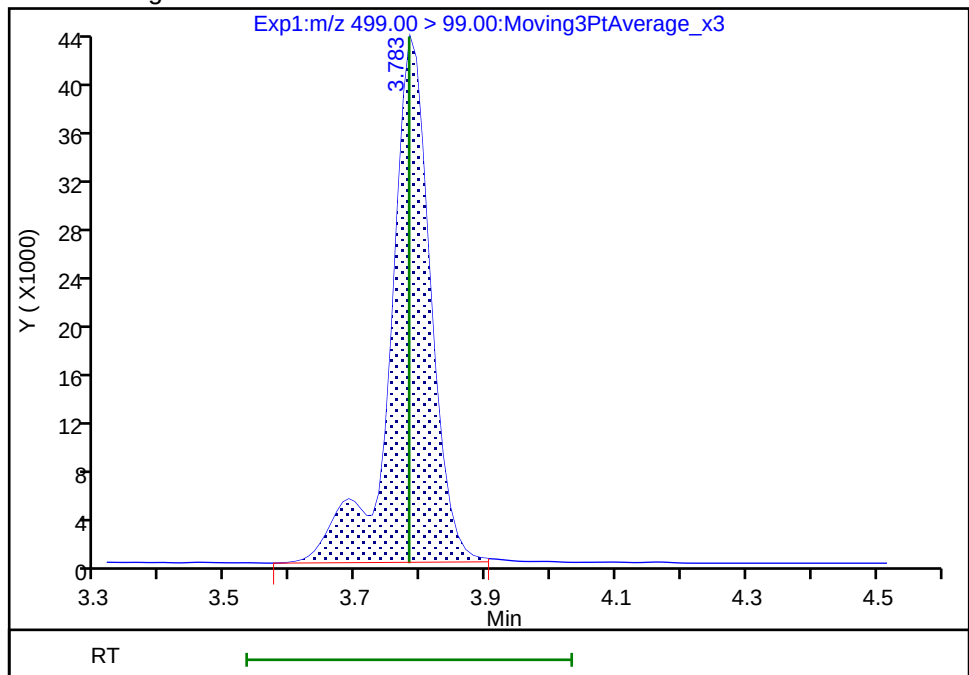
RT: 3.78
Area: 193003
Amount: 0.945255
Amount Units: ng/ml

Processing Integration Results



RT: 3.78
Area: 189713
Amount: 0.923215
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:41:46

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

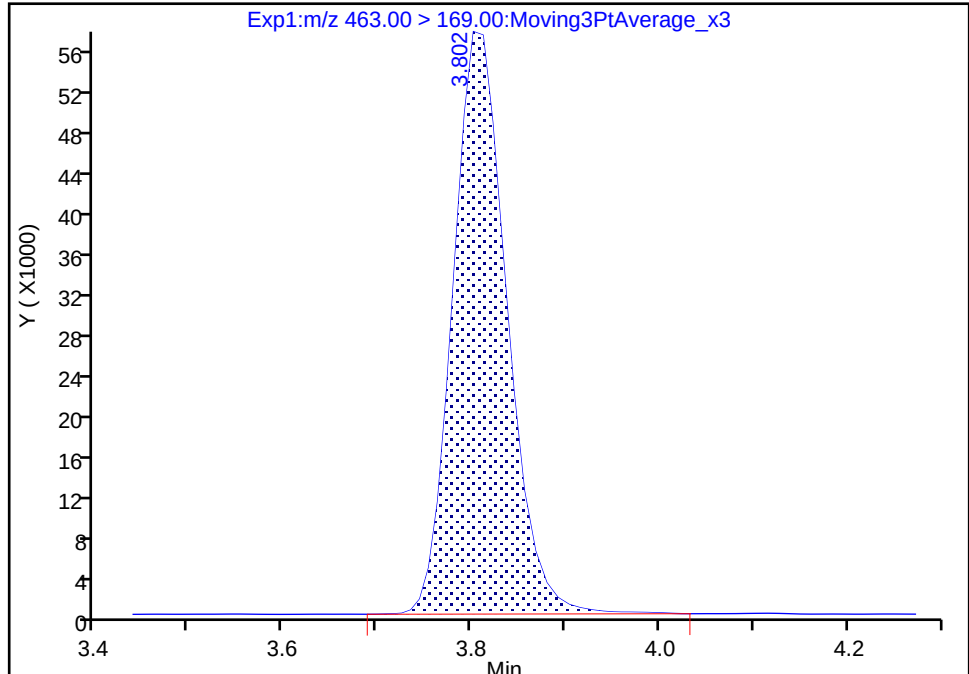
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A18.d
Injection Date: 09-Aug-2022 18:10:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

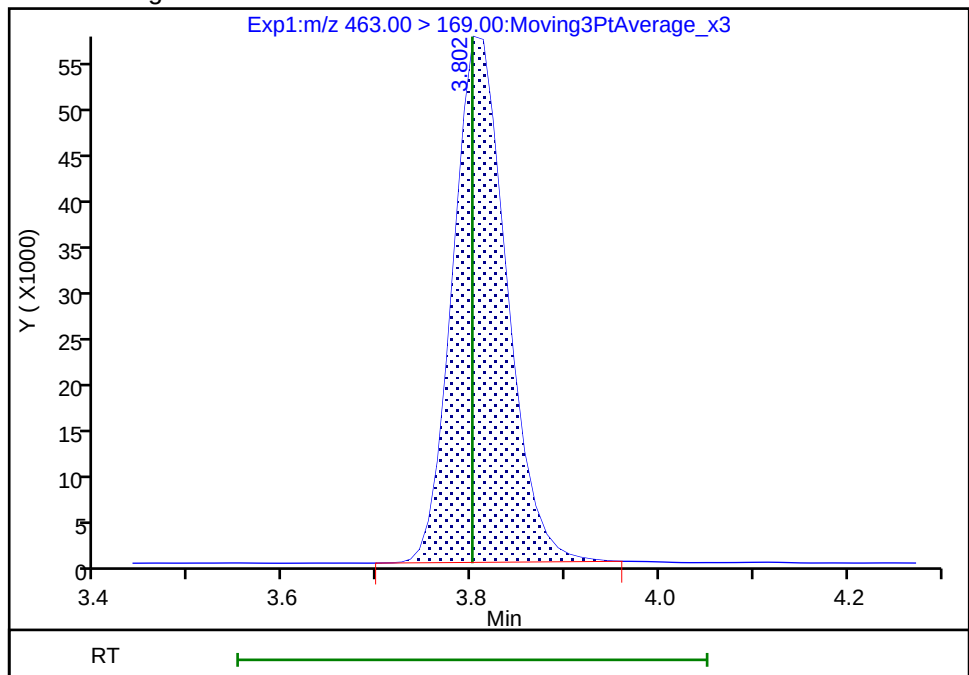
RT: 3.80
Area: 230211
Amount: 0.941767
Amount Units: ng/ml

Processing Integration Results



RT: 3.80
Area: 228564
Amount: 0.941767
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:48:03

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

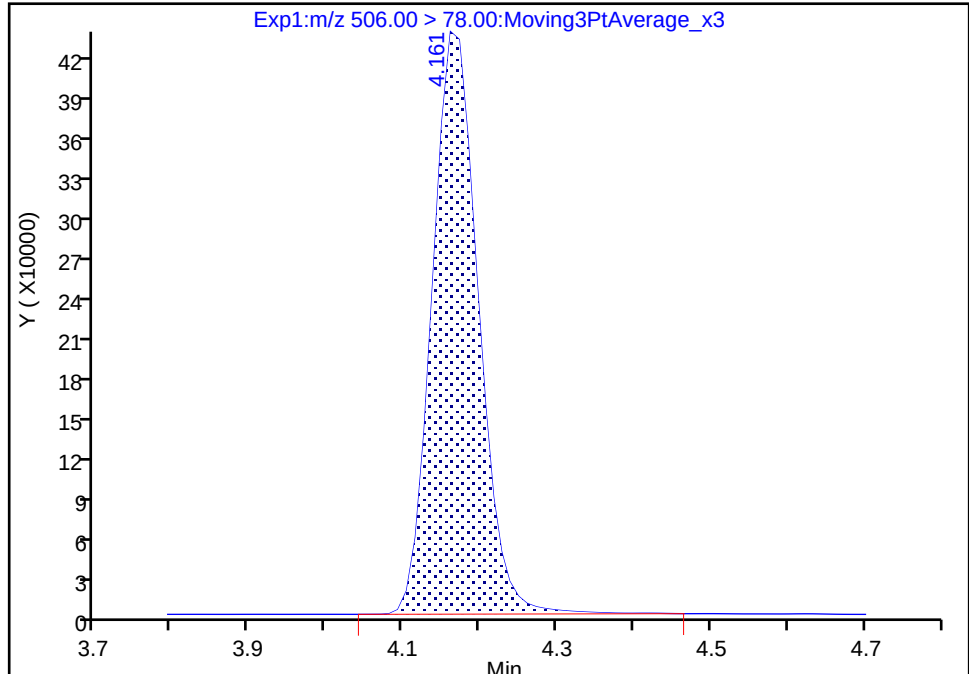
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A18.d
Injection Date: 09-Aug-2022 18:10:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

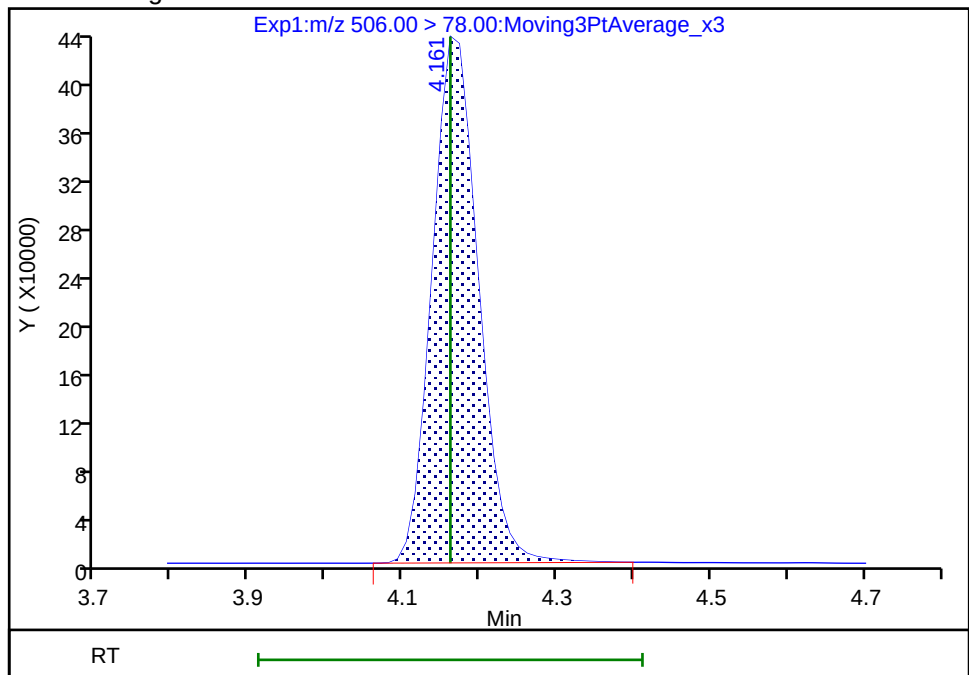
RT: 4.16
Area: 1826533
Amount: 1.167110
Amount Units: ng/ml

Processing Integration Results



RT: 4.16
Area: 1821743
Amount: 1.164050
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:38:42

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

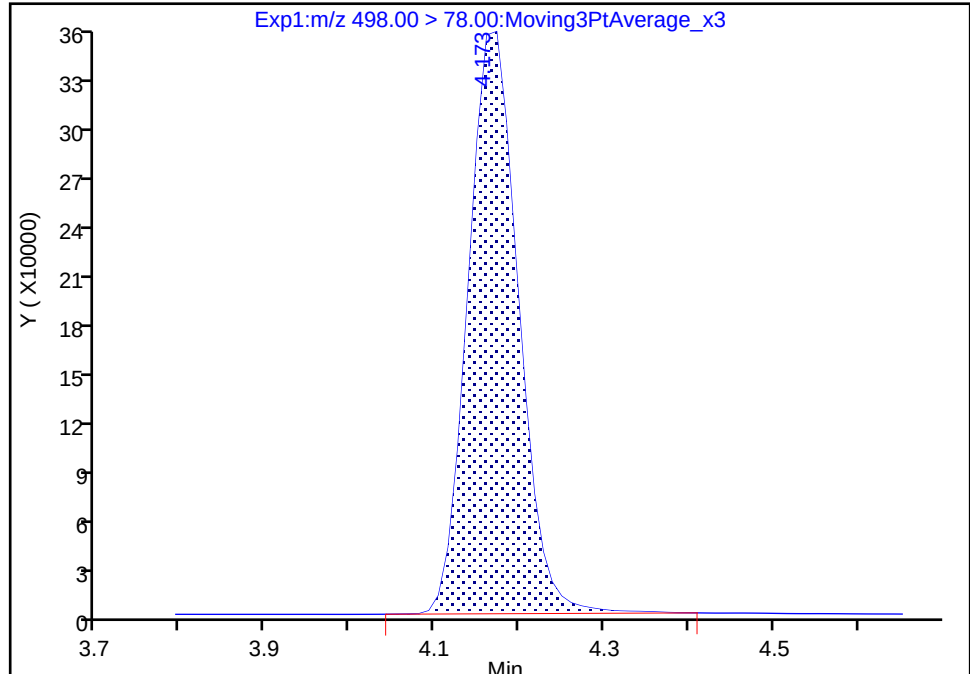
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A18.d
Injection Date: 09-Aug-2022 18:10:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

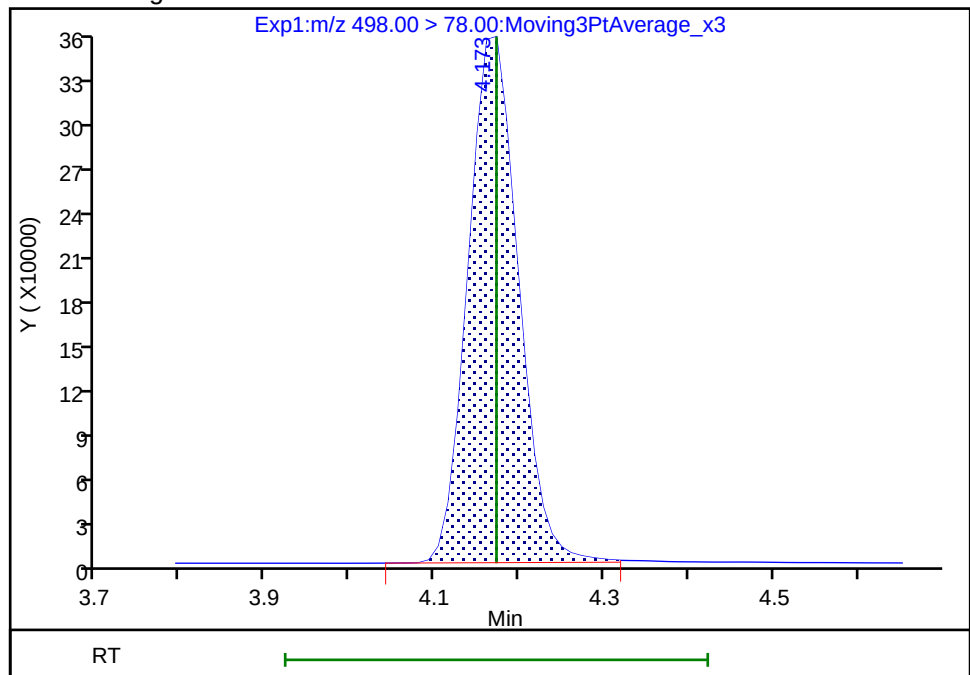
RT: 4.17
Area: 1451343
Amount: 0.977271
Amount Units: ng/ml

Processing Integration Results



RT: 4.17
Area: 1448198
Amount: 0.975154
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:48:15

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

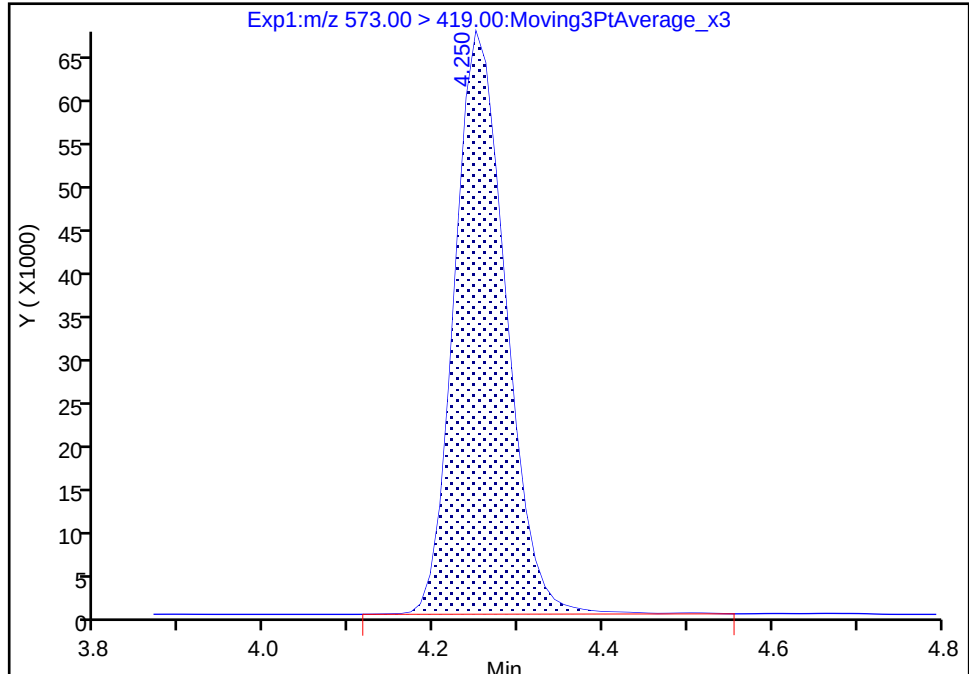
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A18.d
Injection Date: 09-Aug-2022 18:10:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

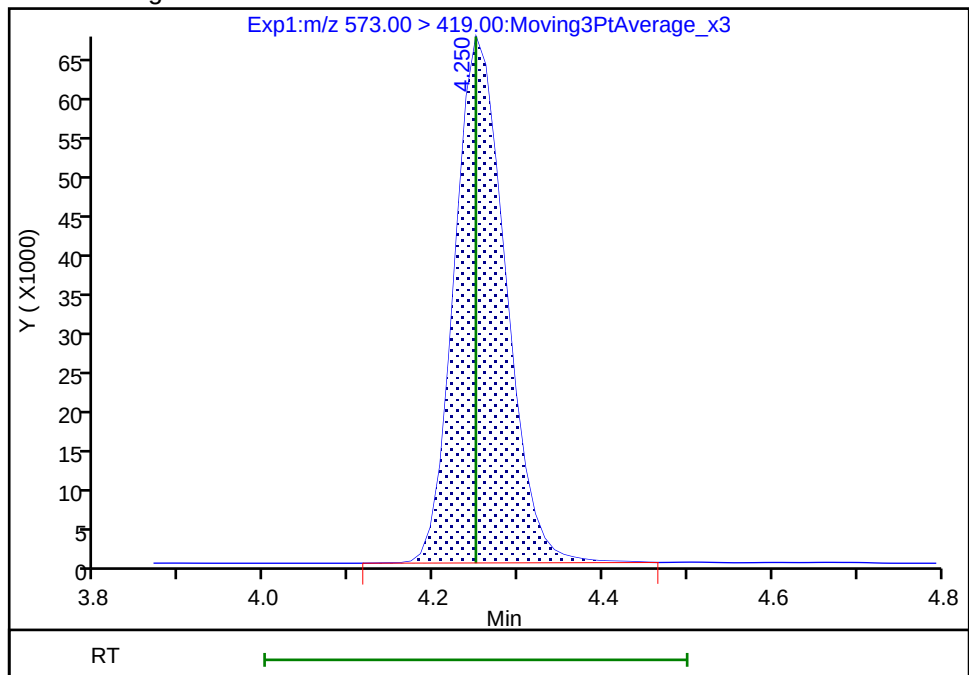
RT: 4.25
Area: 283770
Amount: 1.184032
Amount Units: ng/ml

Processing Integration Results



RT: 4.25
Area: 282990
Amount: 1.180777
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:38:47

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

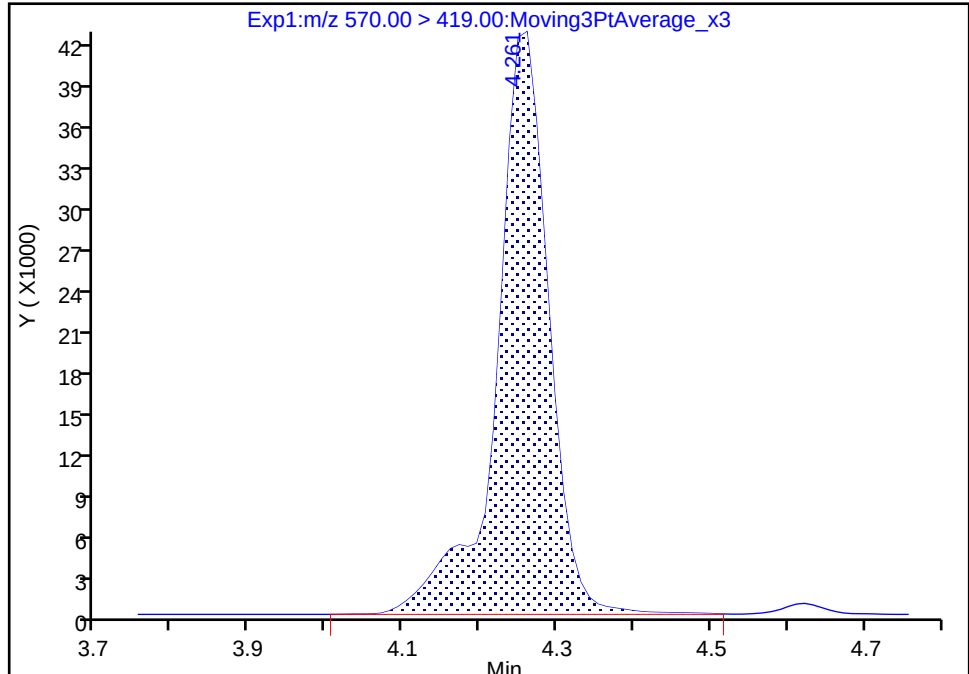
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A18.d
Injection Date: 09-Aug-2022 18:10:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

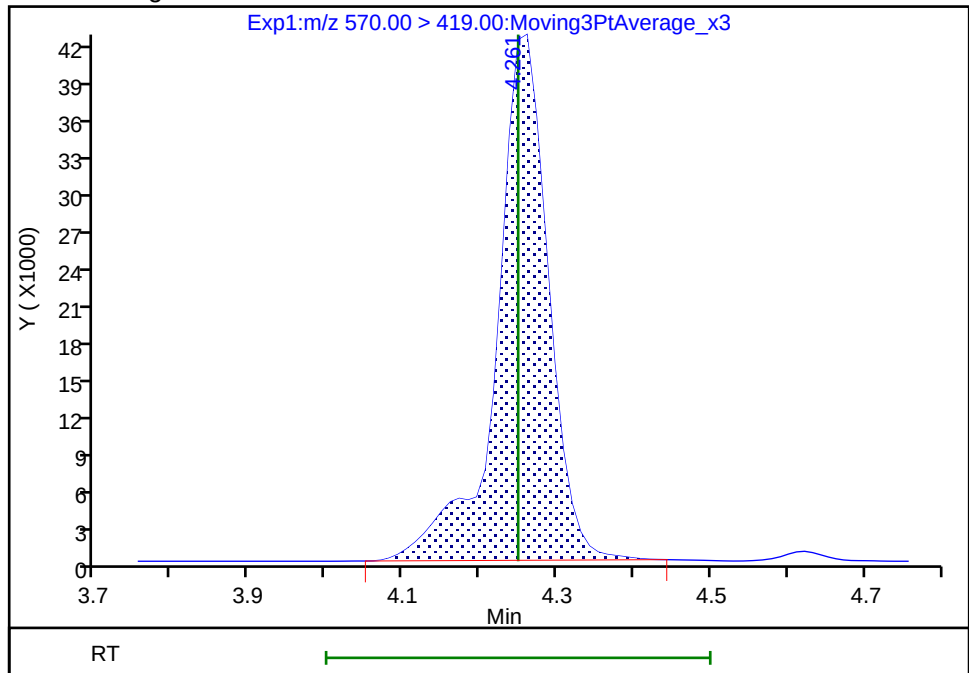
RT: 4.26
Area: 198843
Amount: 0.988967
Amount Units: ng/ml

Processing Integration Results



RT: 4.26
Area: 196772
Amount: 0.978667
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:39:22
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

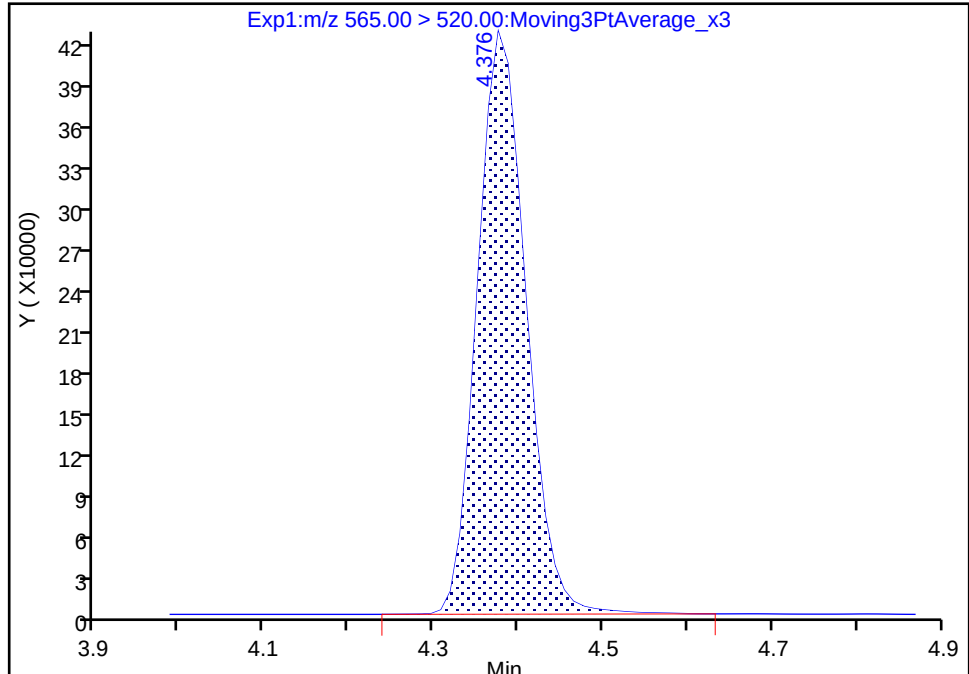
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A18.d
Injection Date: 09-Aug-2022 18:10:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

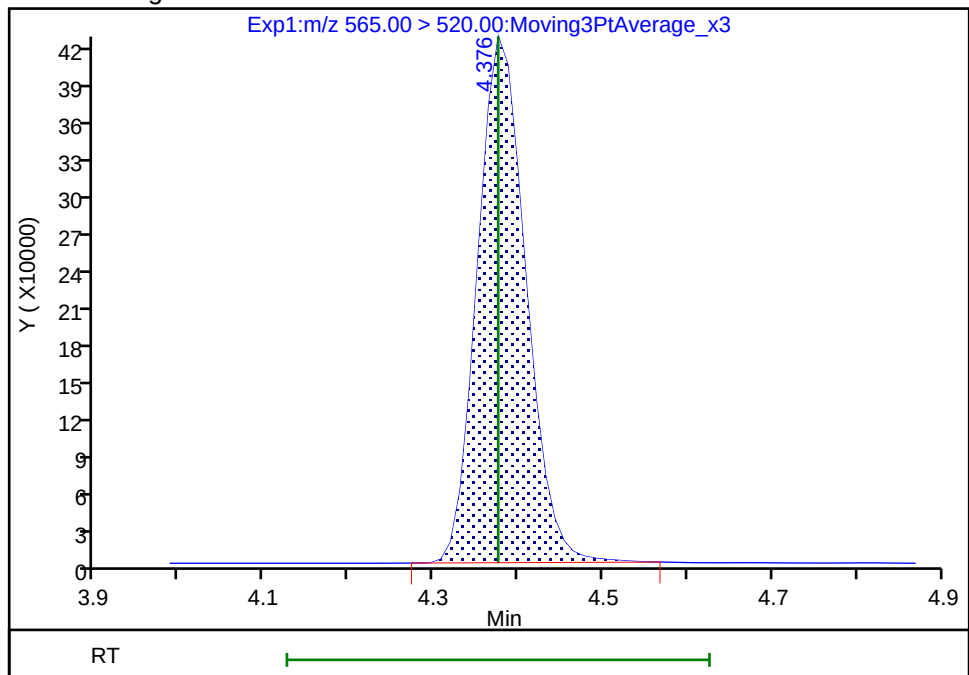
RT: 4.38
Area: 1683490
Amount: 1.242597
Amount Units: ng/ml

Processing Integration Results



RT: 4.38
Area: 1676030
Amount: 1.237091
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:39:28
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

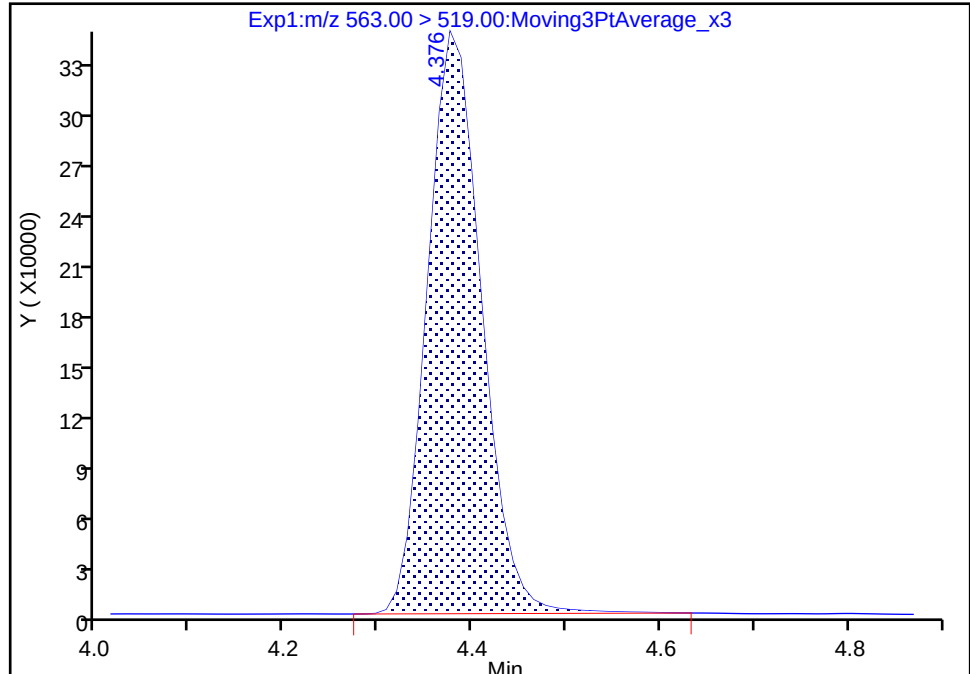
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A18.d
Injection Date: 09-Aug-2022 18:10:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

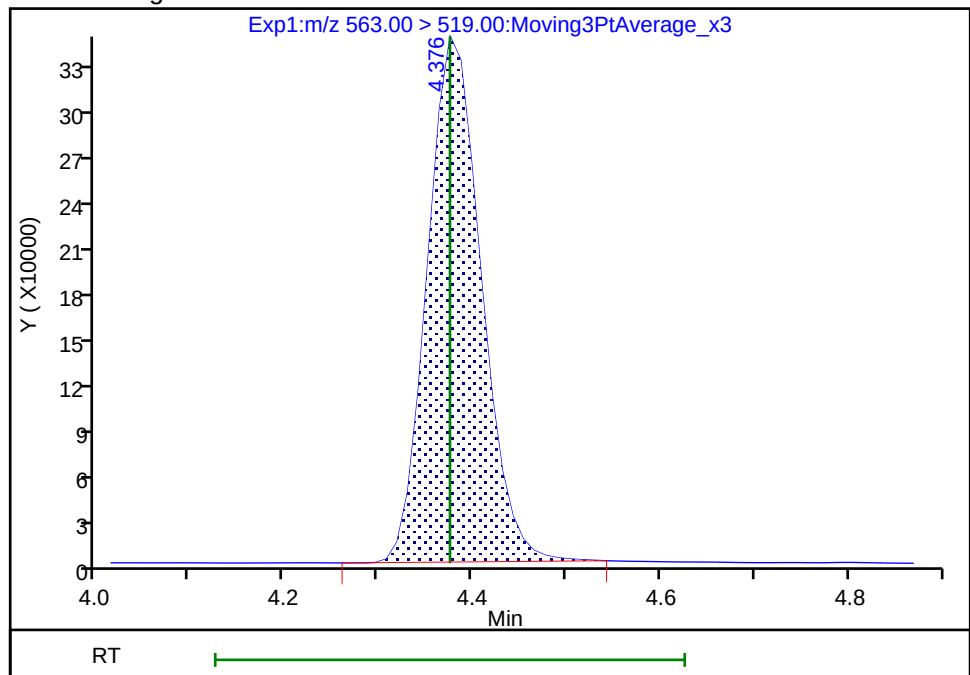
RT: 4.38
Area: 1374307
Amount: 0.967468
Amount Units: ng/ml

Processing Integration Results



RT: 4.38
Area: 1363645
Amount: 0.959962
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:39:32

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

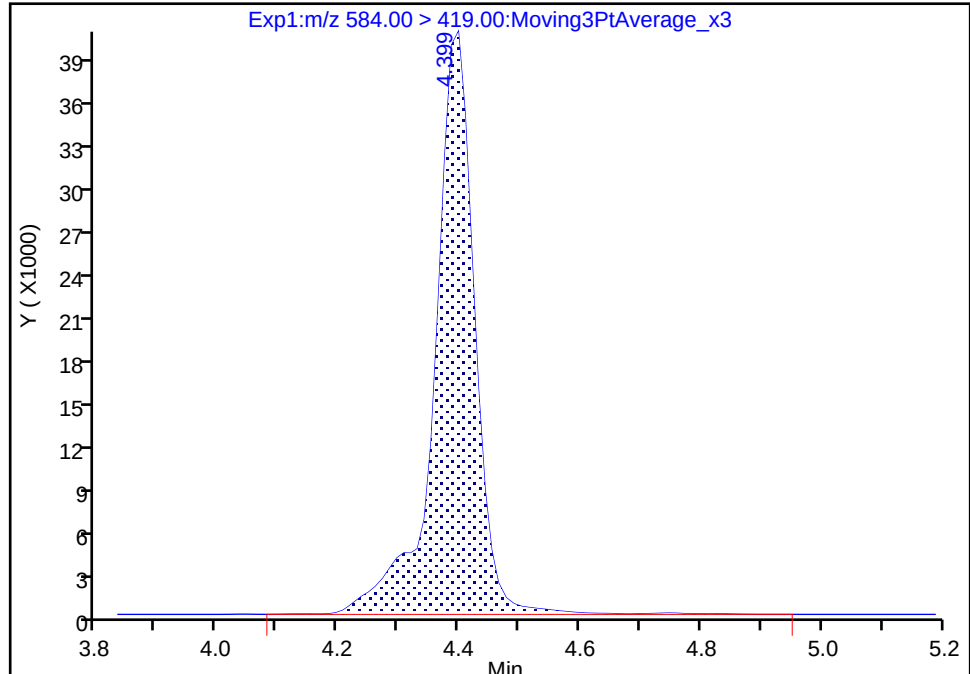
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A18.d
Injection Date: 09-Aug-2022 18:10:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

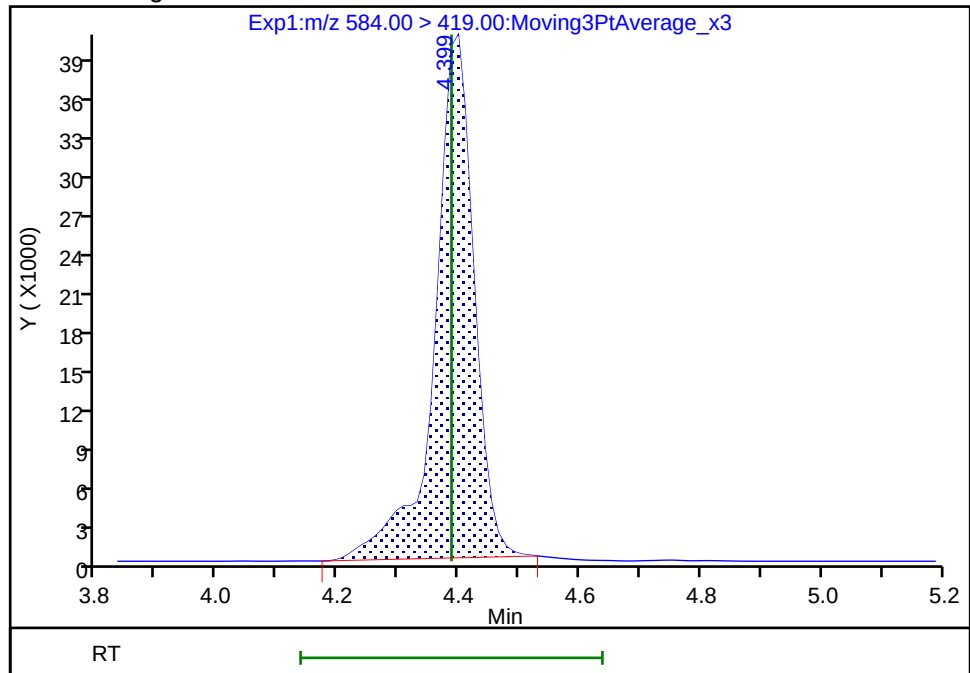
RT: 4.40
Area: 187015
Amount: 0.978351
Amount Units: ng/ml

Processing Integration Results



RT: 4.40
Area: 180547
Amount: 0.944514
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:39:38
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

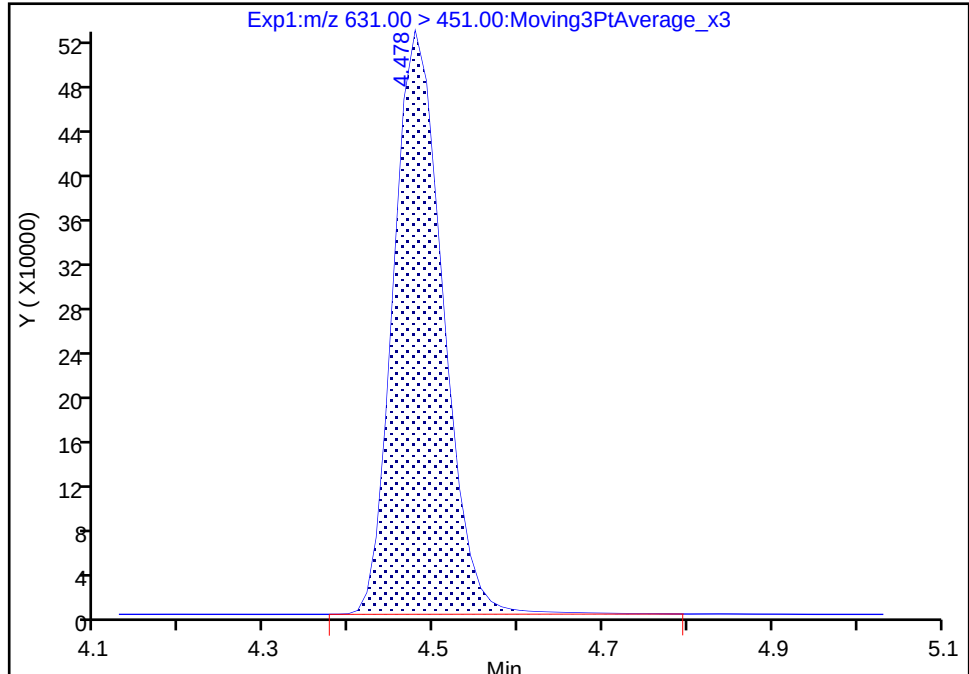
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A18.d
Injection Date: 09-Aug-2022 18:10:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

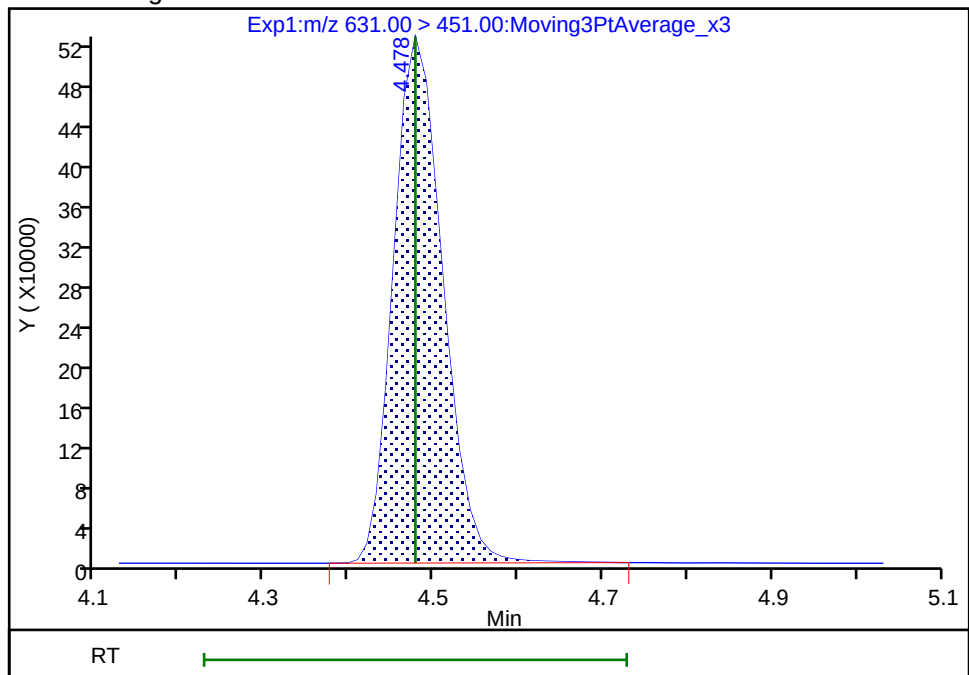
RT: 4.48
Area: 2129466
Amount: 1.005288
Amount Units: ng/ml

Processing Integration Results



RT: 4.48
Area: 2124841
Amount: 1.003104
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:48:38

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

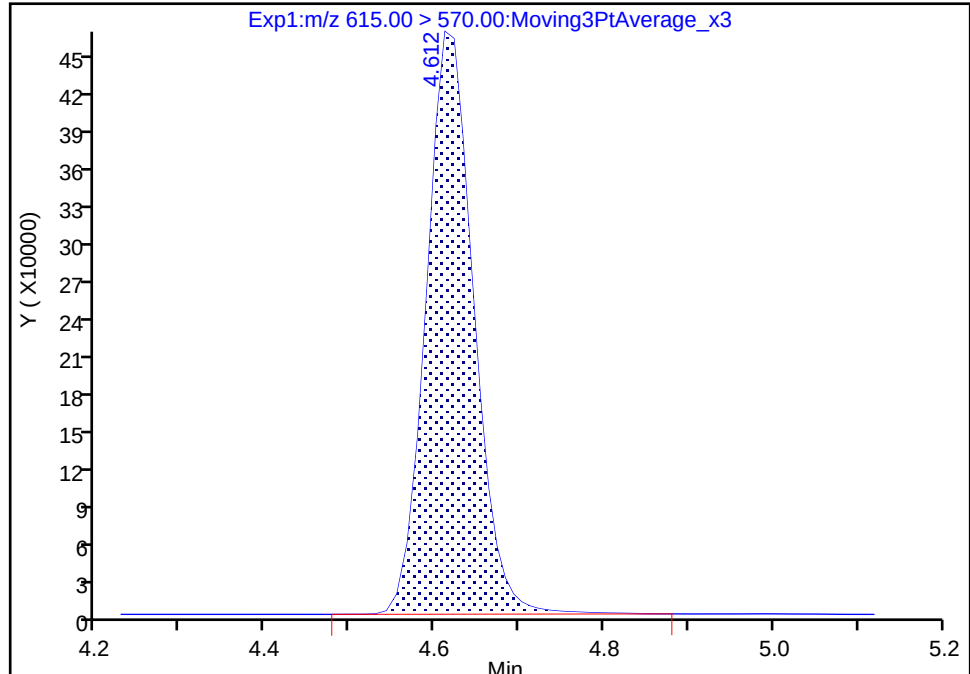
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A18.d
Injection Date: 09-Aug-2022 18:10:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 36 13C2 PFD_oA, CAS: STL00998

Signal: 1

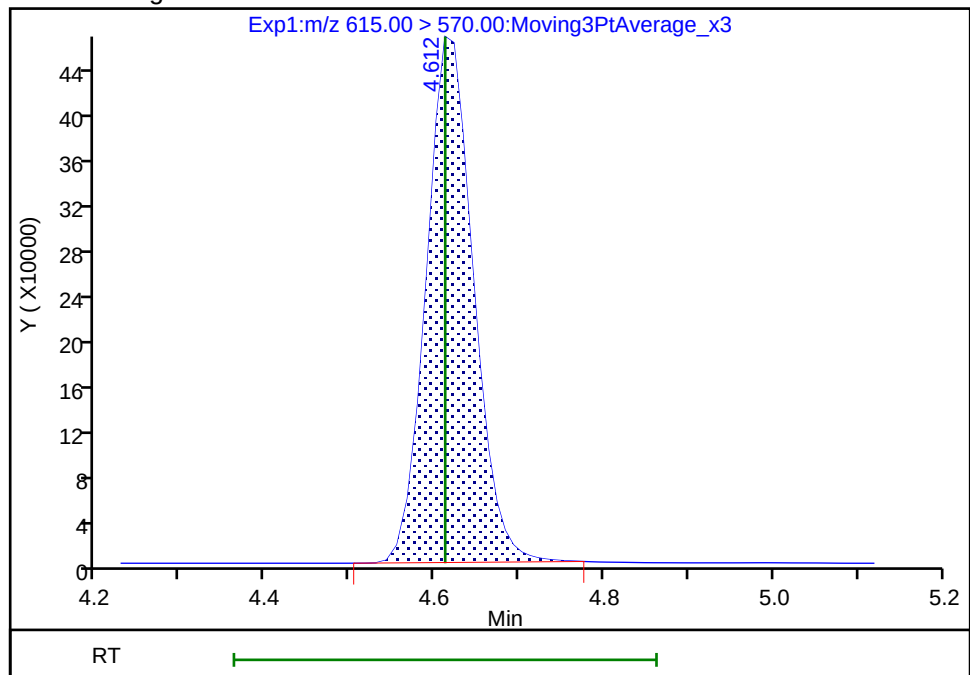
RT: 4.61
Area: 1803429
Amount: 1.284570
Amount Units: ng/ml

Processing Integration Results



RT: 4.61
Area: 1790402
Amount: 1.275291
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:39:44

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

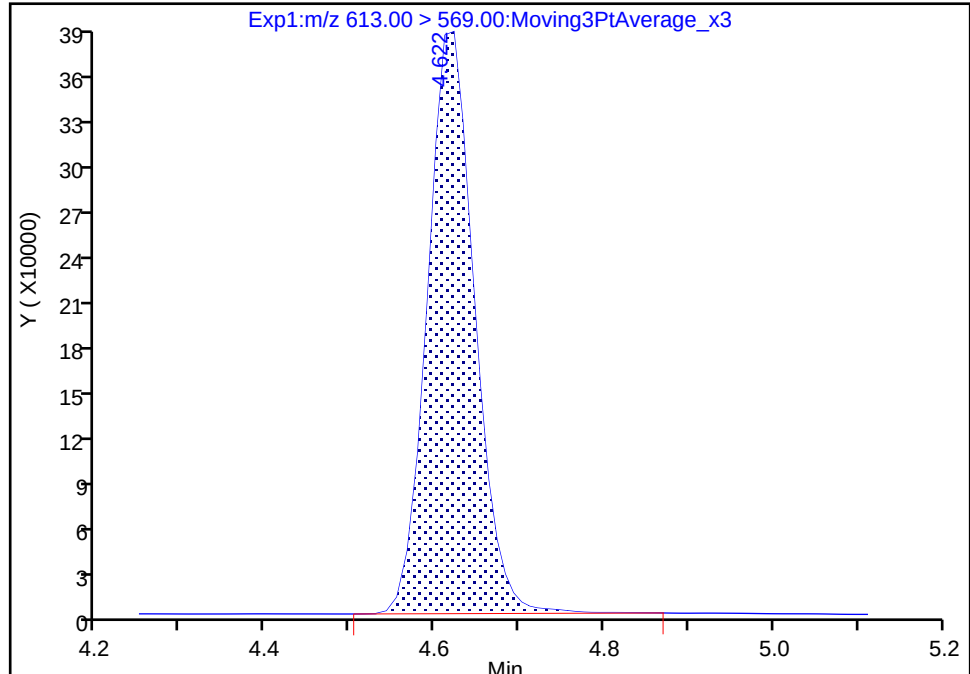
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A18.d
Injection Date: 09-Aug-2022 18:10:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

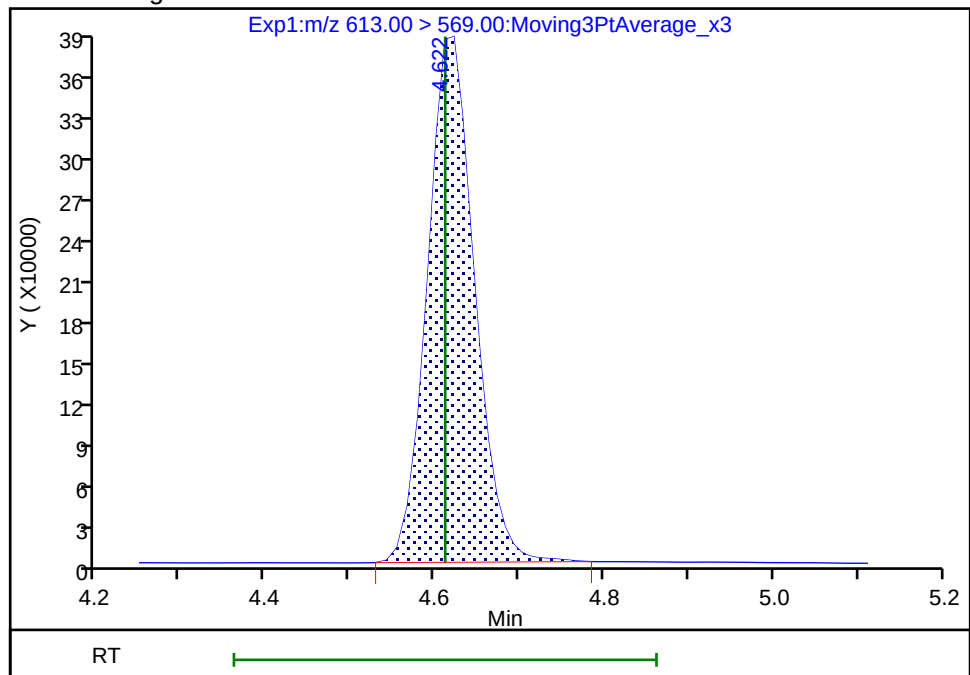
RT: 4.62
Area: 1482009
Amount: 1.012902
Amount Units: ng/ml

Processing Integration Results



RT: 4.62
Area: 1476272
Amount: 1.016322
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:48:44

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

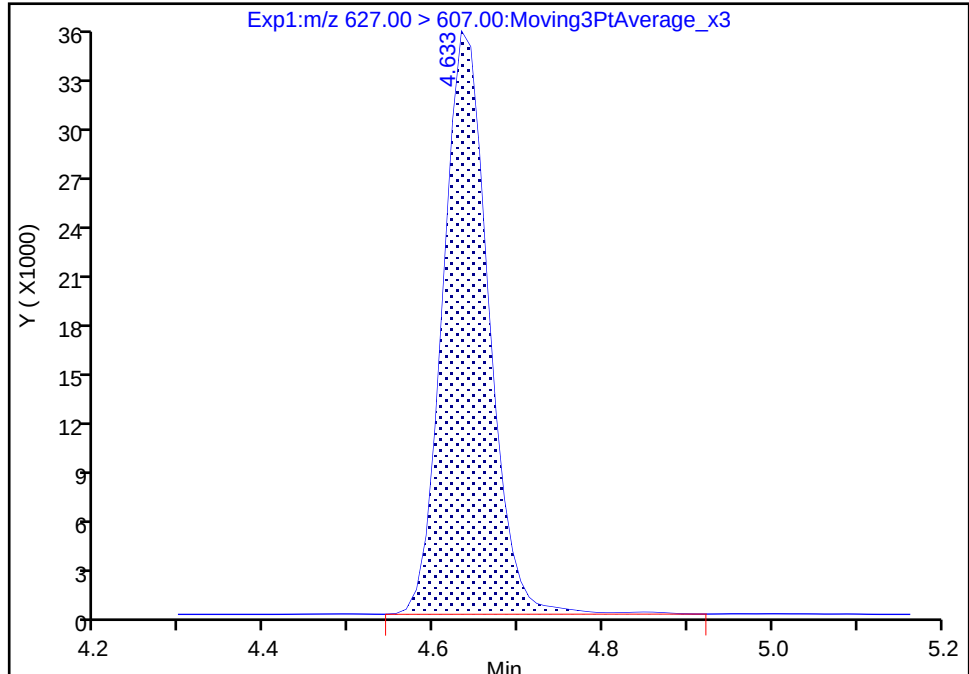
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A18.d
Injection Date: 09-Aug-2022 18:10:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

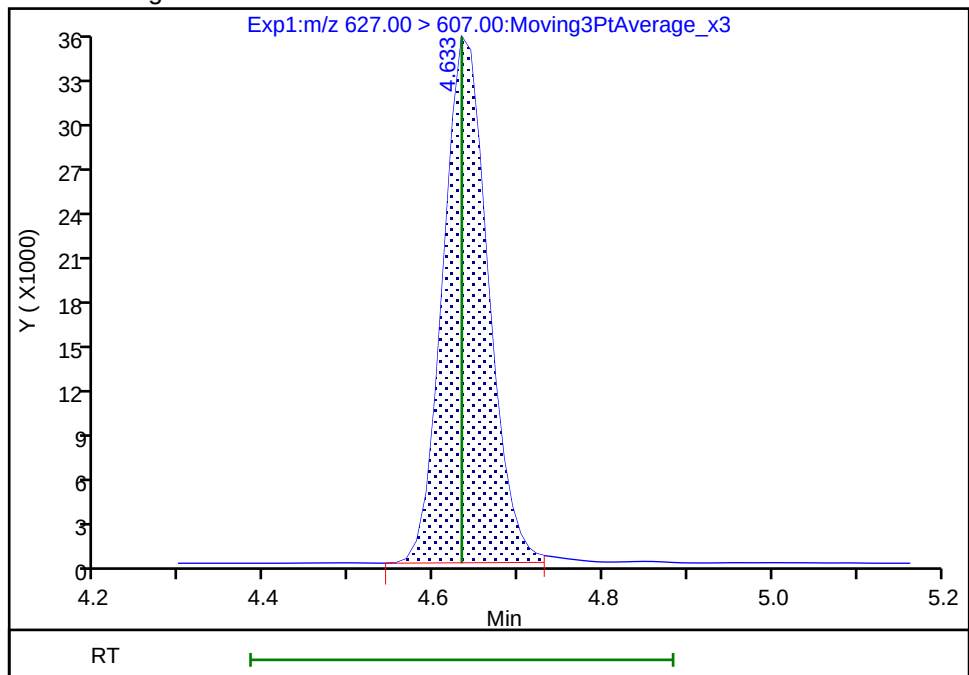
RT: 4.63
Area: 132829
Amount: 1.047040
Amount Units: ng/ml

Processing Integration Results



RT: 4.63
Area: 131056
Amount: 1.033064
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:49:02

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

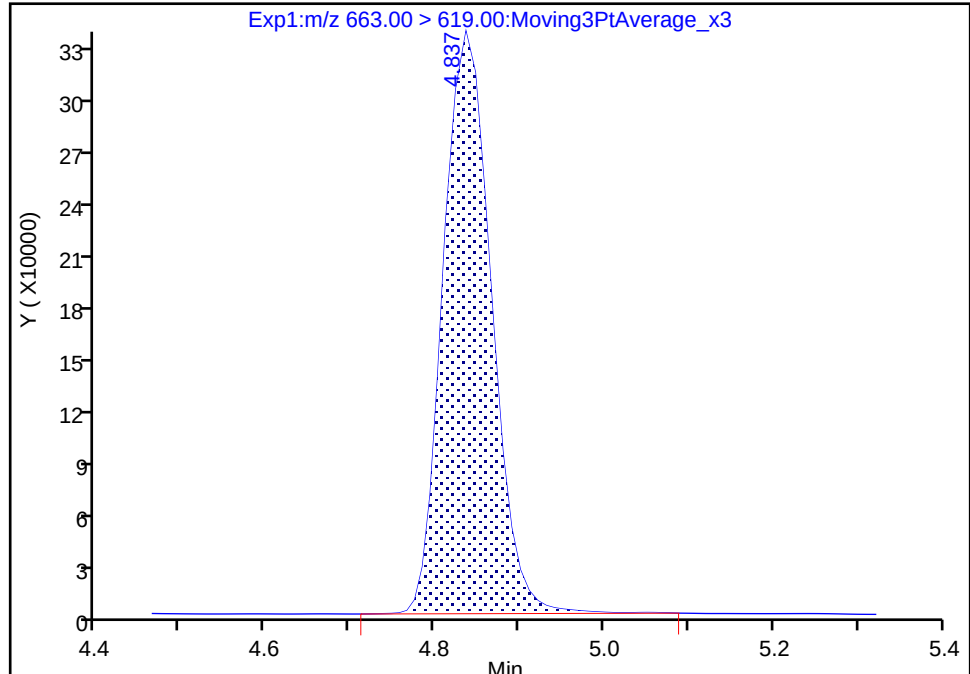
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A18.d
Injection Date: 09-Aug-2022 18:10:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

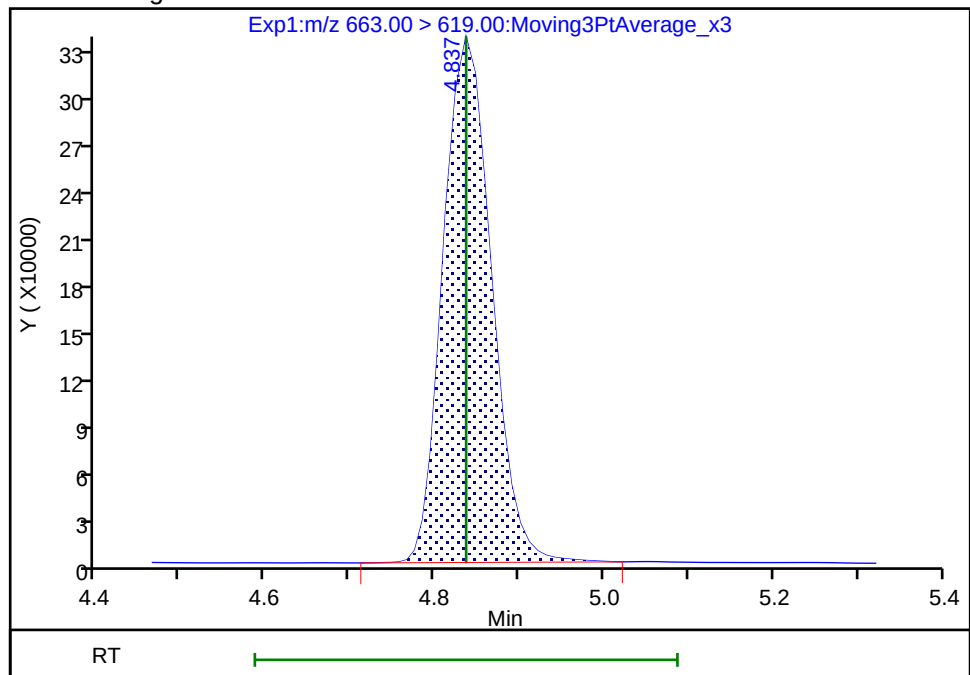
RT: 4.84
Area: 1341030
Amount: 1.057311
Amount Units: ng/ml

Processing Integration Results



RT: 4.84
Area: 1337431
Amount: 1.062146
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:49:18

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

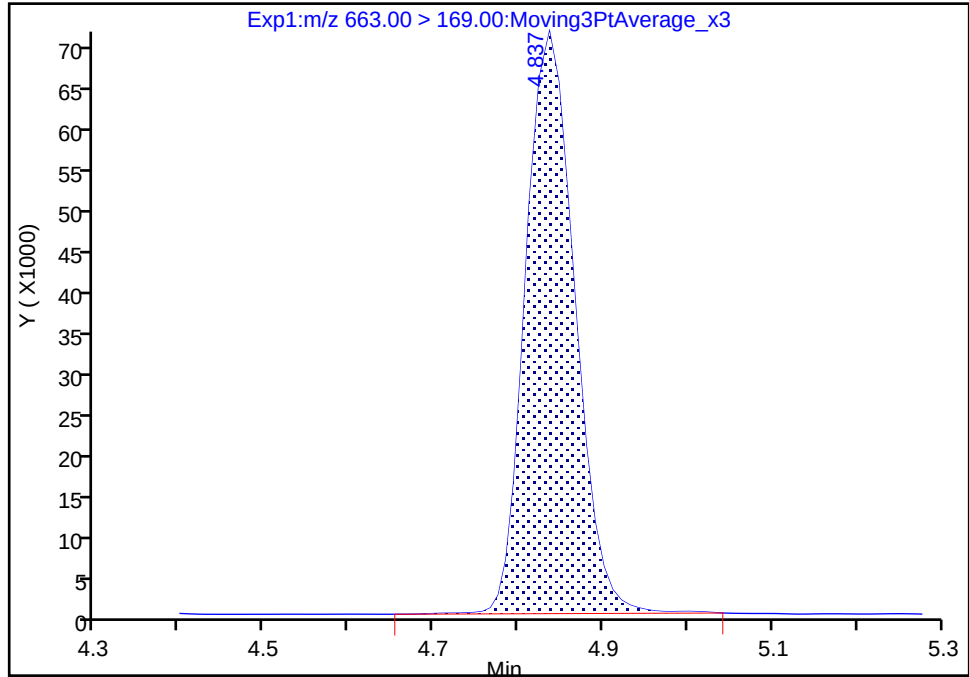
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A18.d
Injection Date: 09-Aug-2022 18:10:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

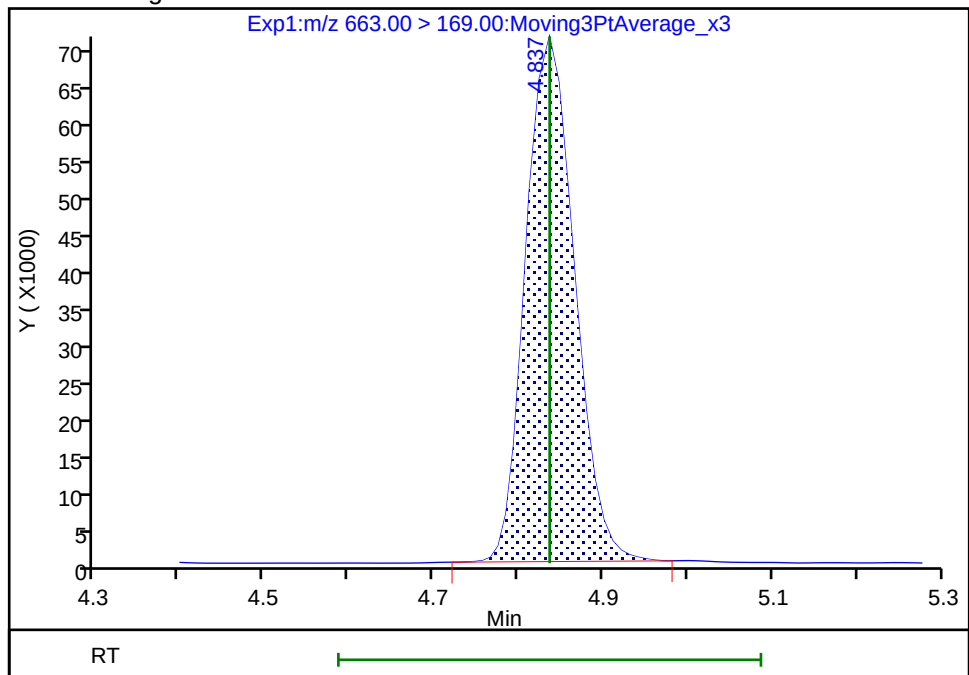
RT: 4.84
Area: 287759
Amount: 1.057311
Amount Units: ng/ml

Processing Integration Results



RT: 4.84
Area: 284856
Amount: 1.062146
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:49:23

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

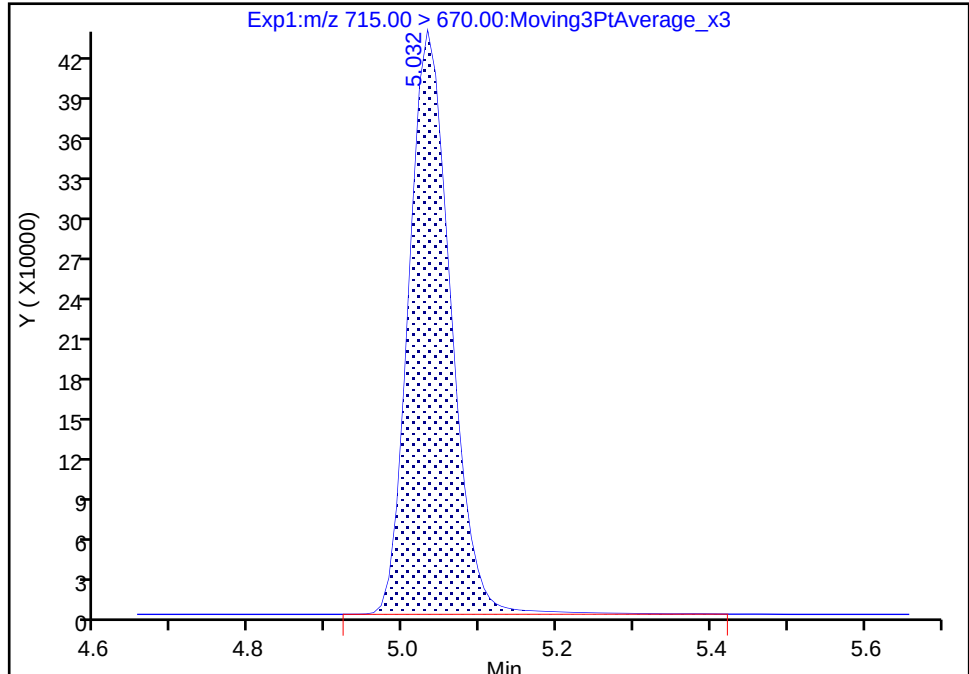
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A18.d
Injection Date: 09-Aug-2022 18:10:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

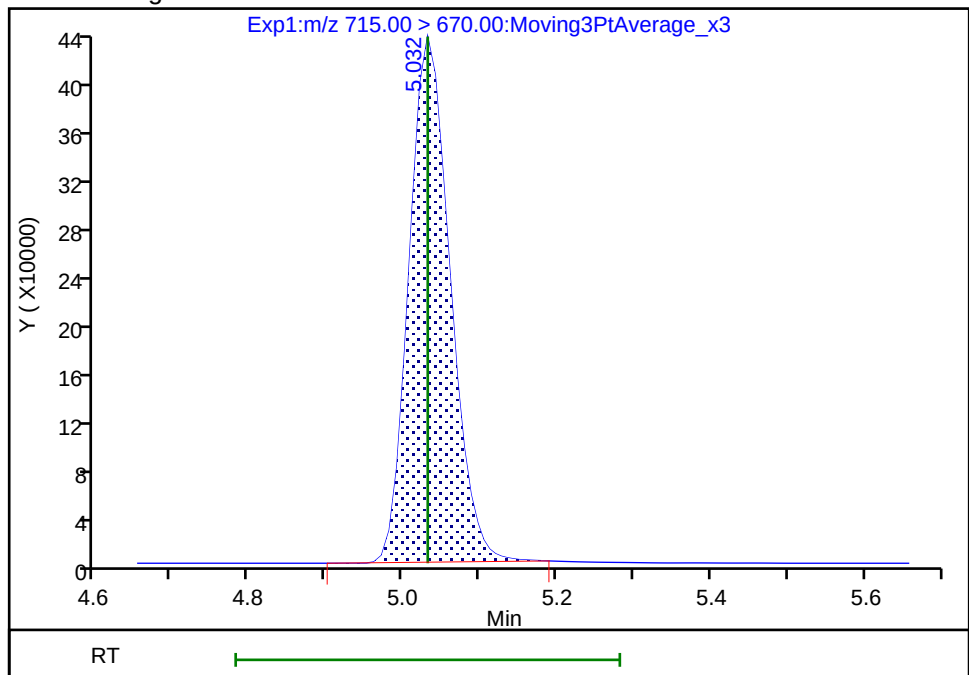
RT: 5.03
Area: 1634794
Amount: 1.424457
Amount Units: ng/ml

Processing Integration Results



RT: 5.03
Area: 1611546
Amount: 1.404200
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:39:52
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

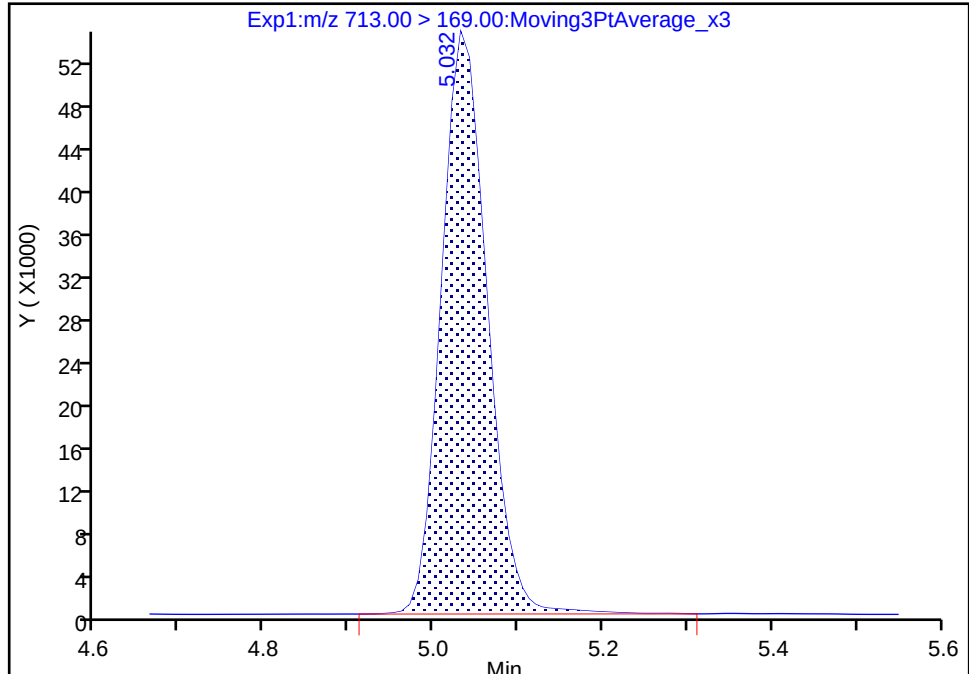
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A18.d
Injection Date: 09-Aug-2022 18:10:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

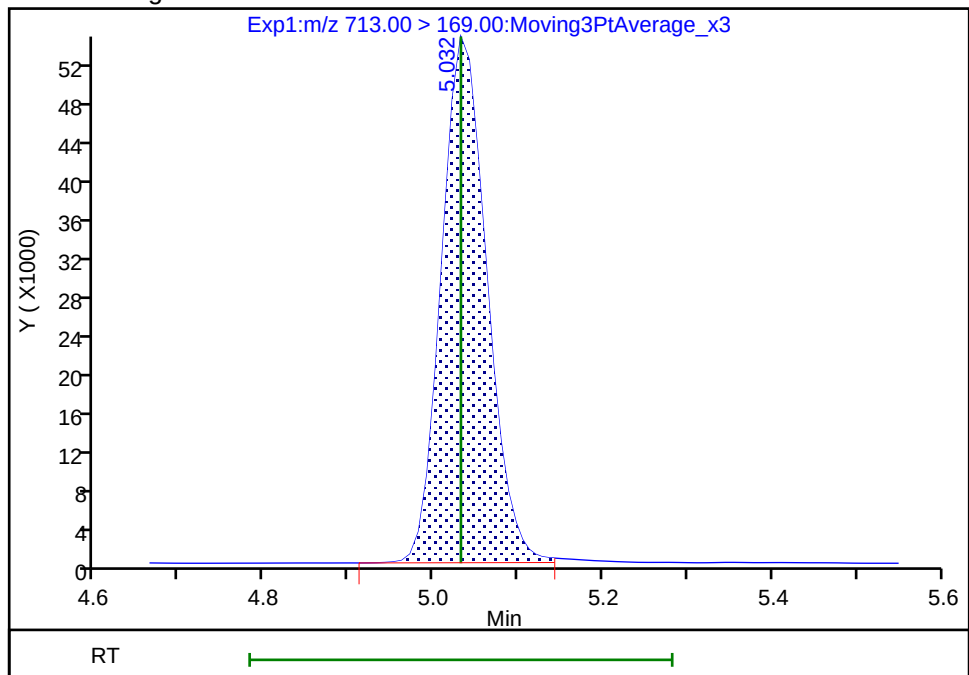
RT: 5.03
Area: 204886
Amount: 0.977837
Amount Units: ng/ml

Processing Integration Results



RT: 5.03
Area: 203078
Amount: 0.983190
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:49:31

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

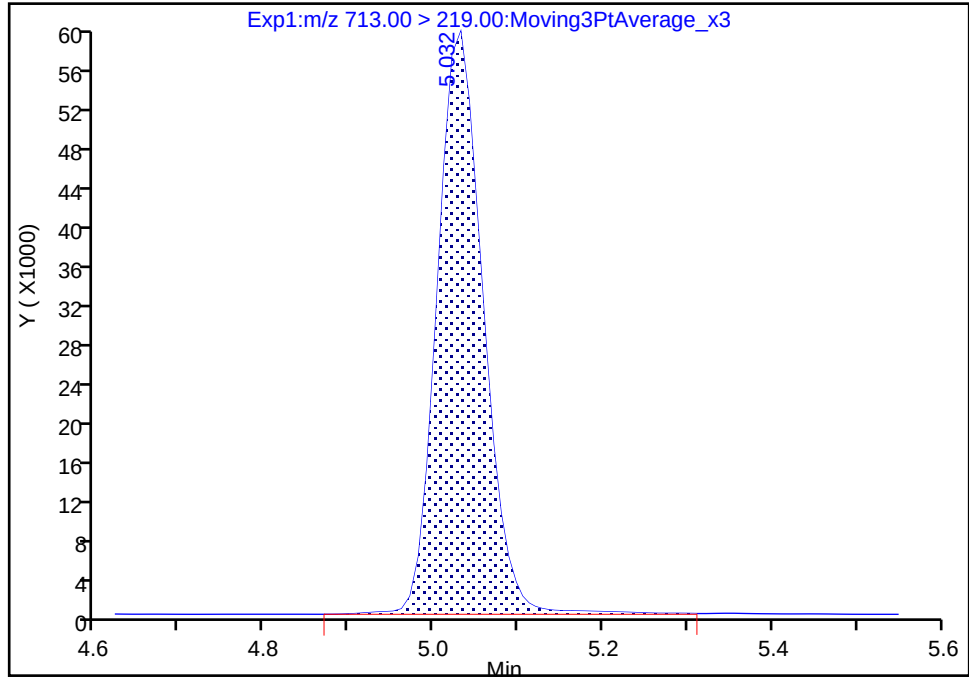
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A18.d
Injection Date: 09-Aug-2022 18:10:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

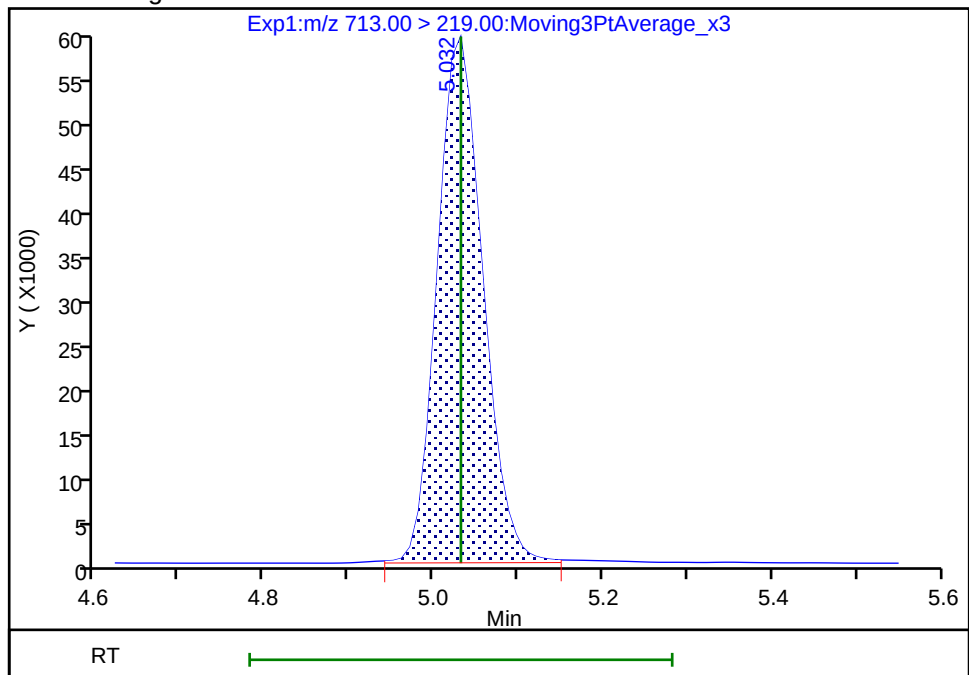
RT: 5.03
Area: 225265
Amount: 0.977837
Amount Units: ng/ml

Processing Integration Results



RT: 5.03
Area: 222425
Amount: 0.983190
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:49:42

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

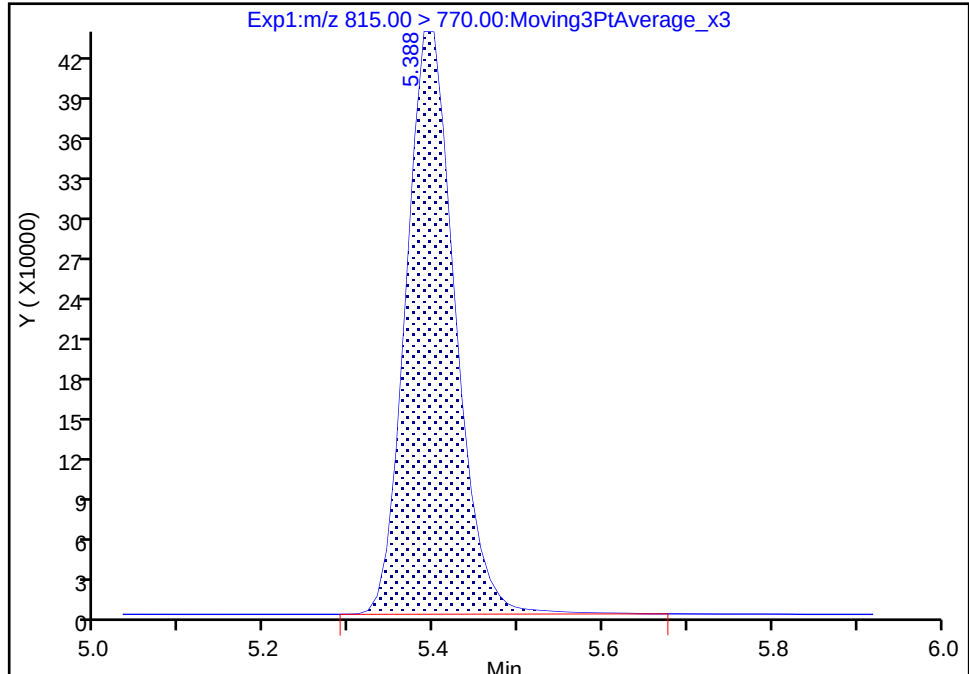
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A18.d
Injection Date: 09-Aug-2022 18:10:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 44 13C2 PFHxDA, CAS: STL02115

Signal: 1

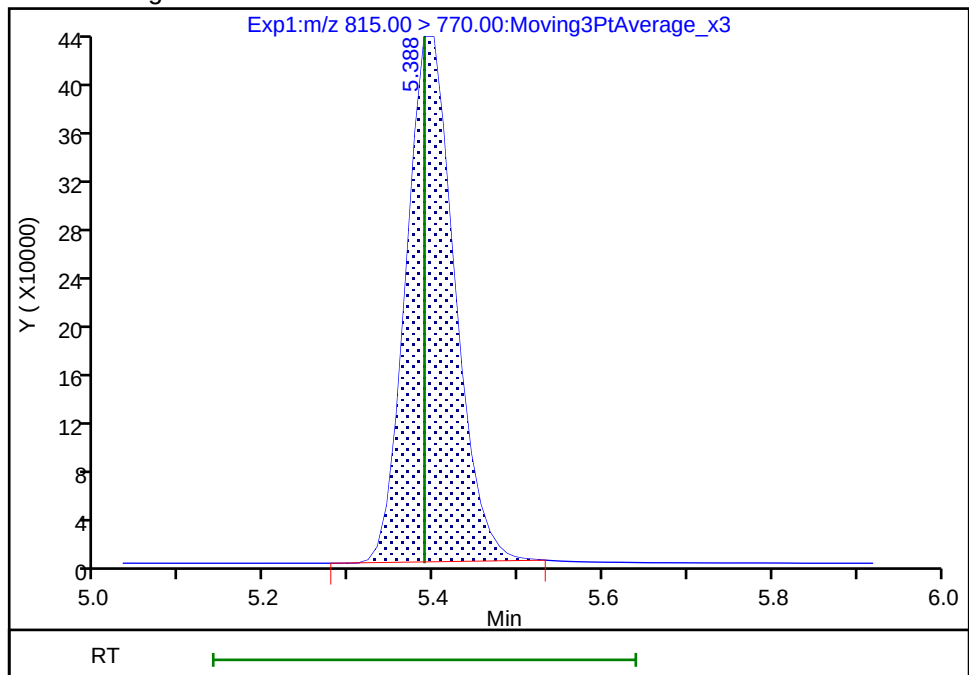
RT: 5.39
Area: 1735460
Amount: 1.327484
Amount Units: ng/ml

Processing Integration Results



RT: 5.39
Area: 1712177
Amount: 1.309674
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:40:03
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

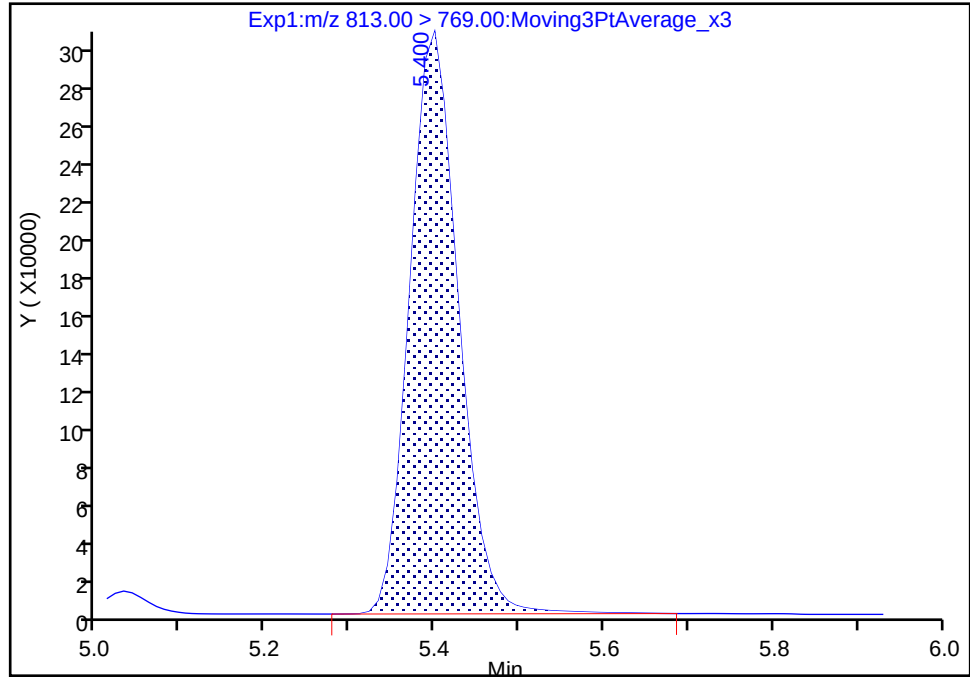
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A18.d
Injection Date: 09-Aug-2022 18:10:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 1

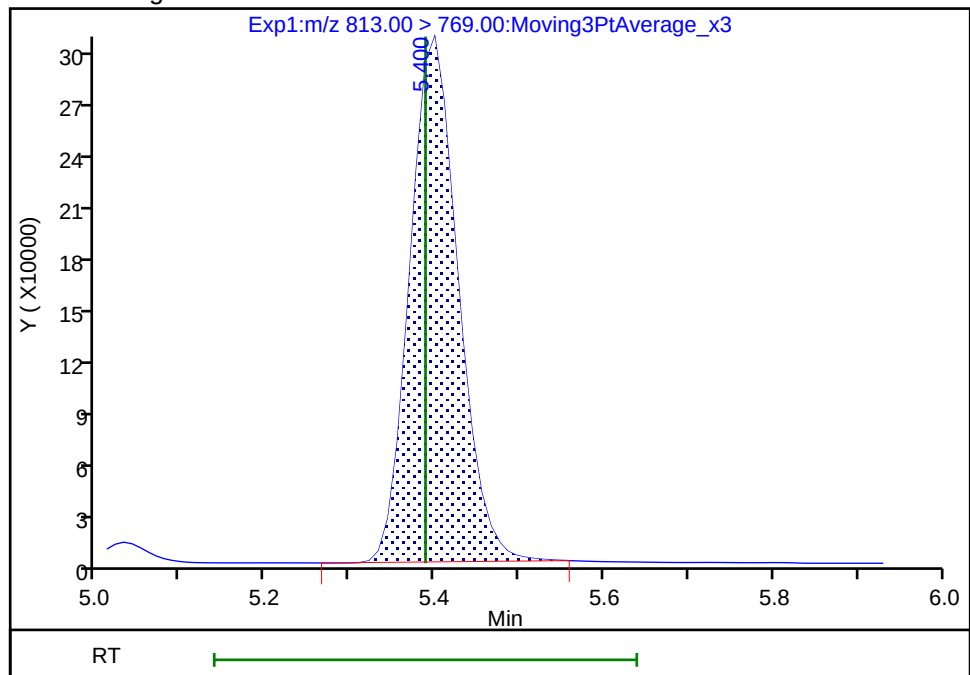
RT: 5.40
Area: 1230739
Amount: 0.970818
Amount Units: ng/ml

Processing Integration Results



RT: 5.40
Area: 1216783
Amount: 0.972905
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:39:59
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

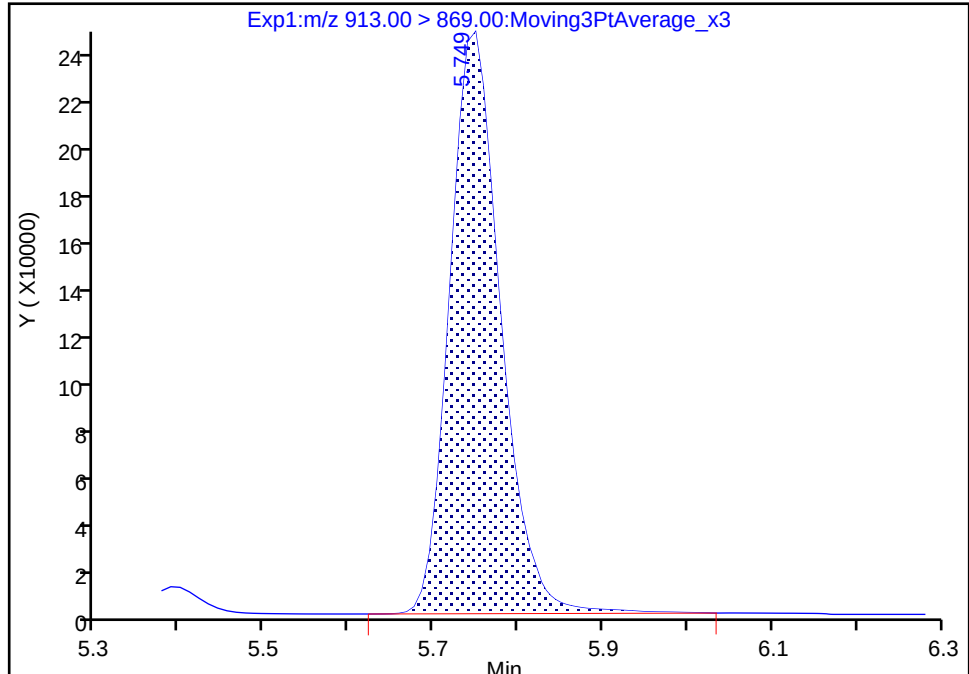
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A18.d
Injection Date: 09-Aug-2022 18:10:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

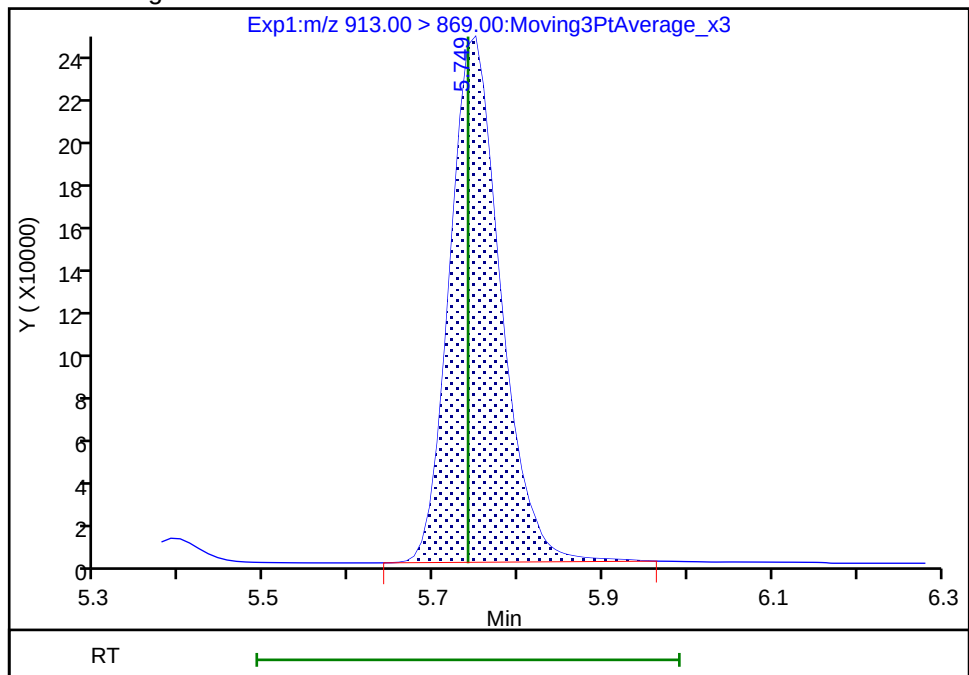
RT: 5.75
Area: 1005534
Amount: 1.089273
Amount Units: ng/ml

Processing Integration Results



RT: 5.75
Area: 999622
Amount: 1.097594
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:49:58

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-263208-1

SDG No.: _____

Lab Sample ID: CCV 200-182508/31 Calibration Date: 08/09/2022 19:56

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: PA220809A31.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	0.8829		2.28	2.50	-9.0	
Perfluoropentanoic acid (PFPeA)	AveID	1.031	0.9707		2.35	2.50	-5.8	
Perfluorobutanesulfonic acid (PFBS)	AveID	1.104	1.013		2.03	2.21	-8.2	
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	AveID	2.377	2.352		2.31	2.34	-1.0	
Perfluorohexanoic acid (PFHxA)	AveID	1.043	1.040		2.49	2.50	-0.3	
Perfluoropentanesulfonic acid (PFPeS)	AveID	1.297	1.165		2.11	2.35	-10.1	
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	AveID	1.075	0.9617		2.24	2.50	-10.5	
Perfluoroheptanoic acid (PFHpA)	AveID	1.031	0.9424		2.29	2.50	-8.6	
Perfluorohexanesulfonic acid (PFHxS)	AveID	1.103	0.999		2.06	2.28	-9.4	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	4.119	3.846		2.20	2.36	-6.6	
6:2 FTS	L1ID		1.451		2.34	2.37	-1.2	30.0
Perfluoroheptanesulfonic acid (PFHpS)	AveID	1.236	1.153		2.22	2.38	-6.7	
Perfluorooctanoic acid (PFOA)	AveID	1.121	1.027		2.29	2.50	-8.4	
Perfluorooctanesulfonic acid (PFOS)	L1ID		0.9612		2.22	2.32	-4.2	30.0
Perfluorononanoic acid (PFNA)	AveID	1.017	0.9211		2.26	2.50	-9.5	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O)	AveID	1.766	1.676		2.21	2.33	-5.2	
Perfluorononanesulfonic acid (PFNS)	AveID	0.7830	0.7416		2.27	2.40	-5.3	
Perfluorodecanoic acid (PFDA)	AveID	1.052	0.9804		2.33	2.50	-6.8	
8:2 FTS	AveID	0.9657	0.9578		2.38	2.40	-0.8	
Perfluorooctanesulfonamide (FOSA)	AveID	1.019	0.9012		2.21	2.50	-11.6	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	AveID	0.8881	0.8453		2.38	2.50	-4.8	
Perfluorodecanesulfonic acid (PFDS)	AveID	0.5827	0.5387		2.23	2.41	-7.5	
Perfluoroundecanoic acid (PFUnA)	AveID	1.059	1.012		2.39	2.50	-4.5	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.9079	0.8727		2.40	2.50	-3.9	
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF)	AveID	2.299	2.254		2.31	2.36	-1.9	
Perfluorododecanoic acid (PFDoA)	AveID	1.014	0.9662		2.38	2.50	-4.7	
1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS)	AveID	0.4511	0.4594		2.45	2.41	1.8	
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.2587	0.2437		2.28	2.42	-5.8	

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-263208-1
 SDG No.: _____
 Lab Sample ID: CCV 200-182508/31 Calibration Date: 08/09/2022 19:56
 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: PA220809A31.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	0.8512		2.42	2.50	-3.2	
Perfluorotetradecanoic acid (PFTeA)	AveID	0.1602	0.1559		2.43	2.50	-2.7	
Perfluoro-n-hexadecanoic acid (PFHxDA)	L1ID		0.8593		2.38	2.50	-4.7	30.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	0.6649	0.6749		2.54	2.50	1.5	
13C4 PFBA	Ave	1.167	1.019		1.09	1.25	-12.7	
13C5 PFPeA	Ave	0.8976	0.8067		1.12	1.25	-10.1	
13C3 PFBS	Ave	1.039	0.9283		1.04	1.16	-10.6	
M2-4:2 FTS	Ave	0.0894	0.0768		1.00	1.17	-14.1	
13C2 PFHxA	Ave	0.8962	0.8012		1.12	1.25	-10.6	
13C3 HFPO-DA	Ave	0.1687	0.1560		1.16	1.25	-7.5	
13C4 PFHpA	Ave	0.9296	0.9072		1.22	1.25	-2.4	50.0
18O2 PFHxS	Ave	0.7305	0.7097		1.15	1.18	-2.8	50.0
M2-6:2 FTS	Ave	0.1223	0.1156		1.12	1.19	-5.5	
13C4 PFOA	Ave	0.9525	0.9306		1.22	1.25	-2.3	50.0
13C4 PFOS	Ave	0.5455	0.5139		1.13	1.20	-5.8	50.0
13C5 PFNA	Ave	0.9889	0.9781		1.24	1.25	-1.1	50.0
13C2 PFDA	Ave	0.9624	0.9069		1.18	1.25	-5.8	
M2-8:2 FTS	Ave	0.1471	0.1431		1.17	1.20	-2.7	
13C8 FOSA	Ave	0.8423	0.7889		1.17	1.25	-6.3	
d3-NMeFOSAA	Ave	0.1290	0.1210		1.17	1.25	-6.2	
13C2 PFUnA	Ave	0.7292	0.6888		1.18	1.25	-5.5	
d5-NEtFOSAA	Ave	0.1221	0.1111		1.14	1.25	-9.0	
13C2 PFDoA	Ave	0.7556	0.7840		1.30	1.25	3.8	
13C2 PFTeDA	Ave	0.6177	0.6756		1.37	1.25	9.4	
13C2 PFHxDA	Ave	0.7037	0.7614		1.35	1.25	8.2	

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A31.d
 Lims ID: CCV L5
 Client ID:
 Sample Type: CCV
 Inject. Date: 09-Aug-2022 19:56:34 ALS Bottle#: 28 Worklist Smp#: 31
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: CCV L5
 Misc. Info.: 200-0052011-031 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Sublist: chrom-PFC_LC812*sub3
 Method: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 10-Aug-2022 09:55:13 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: CTX1674

First Level Reviewer: khanphomeea

Date: 10-Aug-2022 10:51:42

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	0.599	2324159	1.09		87.3	8353	M
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.085	2.085	0.0	1.004	4103969	2.28		91.0	534	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.386	2.386	0.0	0.689	1840130	1.12		89.9	3003	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.386	2.386	0.0	1.000	3572308	2.35		94.2	132	M
D 47 13C3 PFBS										
301.90 > 80.00	2.413	2.400	0.013	0.696	1969383	1.04		89.4	300180	
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.413	2.413	0.0	1.000	3792629	2.03	Target=2.23	91.8	1973	
298.90 > 99.00	2.413	2.413	0.0	1.000	1798070		2.11(1.11-3.34)		1235	M
D 60 M2-4:2 FTS										
329.00 > 81.00	2.701	2.701	0.0	0.780	163712	1.00		85.9	170	
61 1H,1H,2H,2H-perfluorohexanesulfo										
327.00 > 307.00	2.701	2.701	0.0	1.000	770098	2.31		99.0	2115	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.737	2.737	0.0	1.000	3801782	2.49	Target=12.24	99.7	763	M
313.00 > 119.00	2.737	2.737	0.0	1.000	292959		12.98(6.12-18.36)		416	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.737	2.737	0.0	0.790	1827688	1.12		89.4	3881	
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.749	2.750	-0.001	0.884	3538412	2.11	Target=2.95	89.9	1932	M
349.00 > 99.00	2.749	2.750	-0.001	0.884	1187972		2.98(1.48-4.43)		1714	
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.847	2.847	0.0	0.822	355751	1.16		92.5	1587	

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	2.847	0.0	1.000	684243	2.24		89.5	1833	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.110	3.110	0.0	0.897	1531483	1.15		97.2	3073	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.110	3.110	0.0	1.000	2943268	2.06	Target=3.43	90.6	1692	M
399.00 > 99.00	3.110	3.110	0.0	1.000	824878		3.57(1.72-5.15)		899	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.110	3.110	0.0	0.897	2069328	1.22		97.6	3861	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.110	3.110	0.0	1.000	3900313	2.29	Target=3.73	91.4	908	M
363.00 > 169.00	3.110	3.110	0.0	1.000	1007894		3.87(1.86-5.59)		1065	M
77 DONA										M
377.00 > 251.00	3.154	3.143	0.011	0.834	8494183	2.20	Target=2.84	93.4	2268	M
377.00 > 85.00	3.154	3.143	0.011	0.834	3102906		2.74(1.42-4.26)		1837	M
D 12 M2-6:2 FTS										M
429.00 > 81.00	3.456	3.455	0.001	0.997	250512	1.12		94.5	455	M
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.456	3.455	0.001	1.000	725223	2.34		98.8	484	M
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.456	3.455	0.001	0.914	2572757	2.22	Target=4.89	93.3	1472	M
449.00 > 99.00	3.456	3.455	0.001	0.914	515847		4.99(2.44-7.33)		1261	M
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.465	3.464	0.001	1.000	4359027	2.29	Target=2.67	91.6	401	M
413.00 > 169.00	3.465	3.464	0.001	1.000	1663888		2.62(1.34-4.01)		879	M
D 14 13C4 PFOA										M
417.00 > 372.00	3.465	3.464	0.001	1.000	2122710	1.22		97.7	1535	M
* 62 13C2 PFOA										
415.00 > 370.00	3.465	3.464	0.001		2281100	1.25			2470	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.783	3.782	0.001	1.000	2091380	2.22	Target=4.88	95.8	1287	M
499.00 > 99.00	3.783	3.782	0.001	1.000	451727		4.63(2.44-7.32)		1898	M
D 18 13C4 PFOS										
503.00 > 80.00	3.783	3.782	0.001	1.092	1120686	1.13		94.2	1787	
20 Perfluorononanoic acid										M
463.00 > 419.00	3.802	3.801	0.001	1.000	4110045	2.26	Target=8.23	90.5	1262	
463.00 > 169.00	3.802	3.801	0.001	1.000	529910		7.76(4.11-12.34)		3235	M
D 19 13C5 PFNA										M
468.00 > 423.00	3.802	3.801	0.001	1.097	2231126	1.24		98.9	1854	M
69 9-Chlorohexadecafluoro-3-oxanona										M
531.00 > 351.00	3.950	3.951	-0.001	1.044	3661148	2.21		94.8	3807	M
68 Perfluorononanesulfonic acid										M
549.00 > 80.00	4.081	4.081	0.0	1.079	1669103	2.27	Target=2.53	94.7	2022	M
549.00 > 99.00	4.081	4.081	0.0	1.079	675839		2.47(1.26-3.79)		1831	M
D 23 13C2 PFDA										M
515.00 > 470.00	4.104	4.104	0.0	1.184	2068823	1.18		94.2	1861	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	4.104	4.104	0.0	1.000	4056499	2.33	Target=9.67	93.2	1877	M
513.00 > 169.00	4.104	4.104	0.0	1.000	431445		9.40(4.83-14.50)		1185	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.115	4.115	0.0	1.188	312669	1.16		97.3	1088	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.115	4.115	0.0	1.000	598951	2.38		99.2	2529	M
D 21 13C8 FOSA										
506.00 > 78.00	4.161	4.161	0.0	1.201	1799555	1.17		93.7	3522	
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.161	4.173	-0.012	1.000	3243405	2.21		88.4	2548	
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.249	4.249	0.0	1.226	275955	1.17		93.8	340	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.249	4.249	0.0	1.000	466553	2.38		95.2	513	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.353	4.342	0.011	1.151	1217624	2.23	Target=2.80	92.5	2387	M
599.00 > 99.00	4.353	4.342	0.011	1.151	481460		2.53(1.40-4.20)		1542	M
D 30 13C2 PFUnA										M
565.00 > 520.00	4.376	4.376	0.0	1.263	1571117	1.18		94.5	1466	M
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.376	4.376	0.0	1.000	3178430	2.39	Target=9.07	95.5	2246	
563.00 > 169.00	4.376	4.376	0.0	1.000	358395		8.87(4.54-13.61)		1057	
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.387	4.387	0.0	1.266	253483	1.14		91.0	1162	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.387	4.387	0.0	1.000	442441	2.40		96.1	765	M
66 11-Chloroeicosafuoro-3-oxaundec										M
631.00 > 451.00	4.478	4.478	0.0	1.184	4978990	2.31		98.1	5309	M
D 36 13C2 PFDaA										
615.00 > 570.00	4.612	4.612	0.0	1.331	1788423	1.30		104	2839	
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.612	4.612	0.0	1.000	3455862	2.38	Target=6.97	95.3	382	M
613.00 > 169.00	4.612	4.612	0.0	1.000	531878		6.50(3.48-10.45)		2446	M
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.633	4.633	0.0	1.126	289085	2.45		102	1640	
75 Perfluorododecanesulfonic acid (										M
699.00 > 80.00	4.794	4.794	0.0	1.267	552992	2.28	Target=0.52	94.2	2408	M
699.00 > 99.00	4.794	4.794	0.0	1.267	1073555		0.52(0.26-0.79)		3507	M
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.837	4.837	0.0	1.049	3044703	2.42	Target=4.56	96.8	376	M
663.00 > 169.00	4.837	4.837	0.0	1.049	665602		4.57(2.28-6.84)		1053	M
D 43 13C2 PFTeDA										M
715.00 > 670.00	5.032	5.032	0.0	1.452	1541225	1.37		109	2586	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.032	5.032	0.0	1.000	480535	2.43	Target=0.94	97.3	1251	M
713.00 > 219.00	5.032	5.032	0.0	1.000	501160		0.96(0.47-1.41)		869	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	5.400	5.389	0.011	1.000	2984915	2.38	Target=4.38	95.3	478	M
813.00 > 169.00	5.400	5.389	0.011	1.000	660116		4.52(2.19-6.57)		1416	M
D 44 13C2 PFHxDA										
815.00 > 770.00	5.400	5.389	0.011	1.558	1736879	1.35		108	4813	
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.749	5.740	0.009	1.065	2344437	2.54	Target=4.31	102	425	M
913.00 > 169.00	5.749	5.740	0.009	1.065	531162		4.41(2.16-6.47)		829	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PFAS32NCIC5_00028

Amount Added: 100.00

Units: uL

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A31.d

Injection Date: 09-Aug-2022 19:56:34

Instrument ID: LC812

Lims ID: CCV L5

Client ID:

Operator ID: lc812tech

ALS Bottle#: 28

Worklist Smp#: 31

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

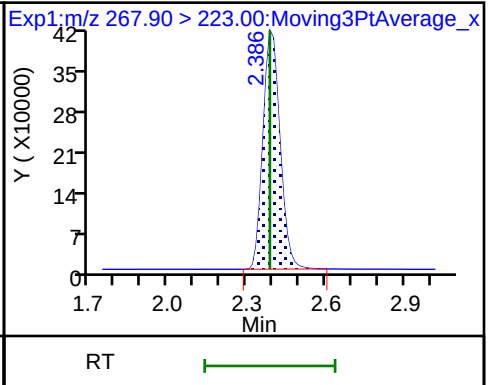
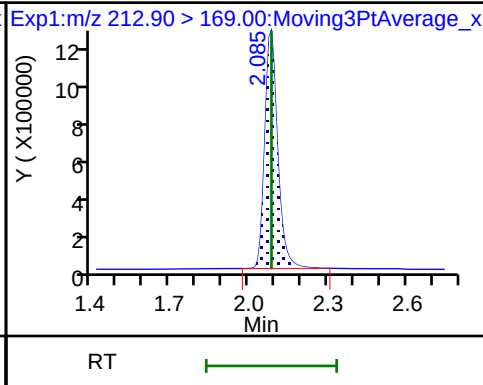
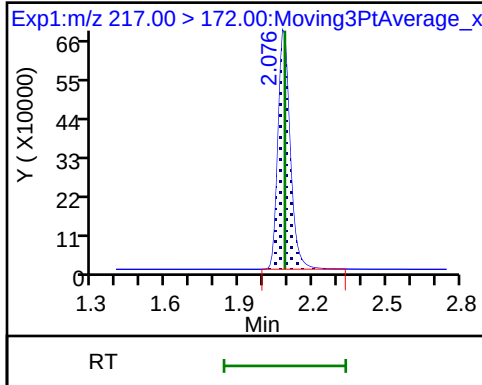
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA (M)

2 Perfluorobutanoic acid (M)

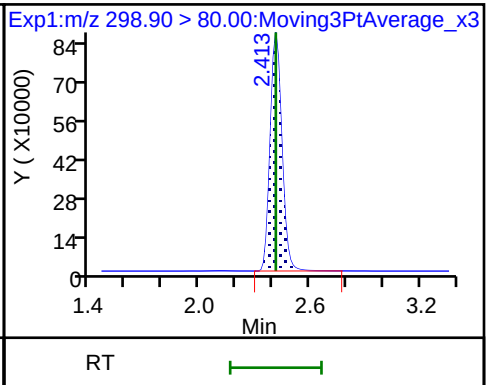
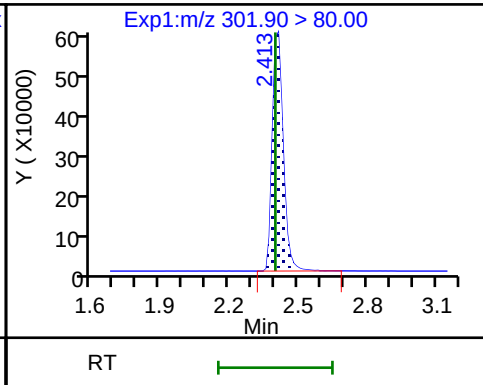
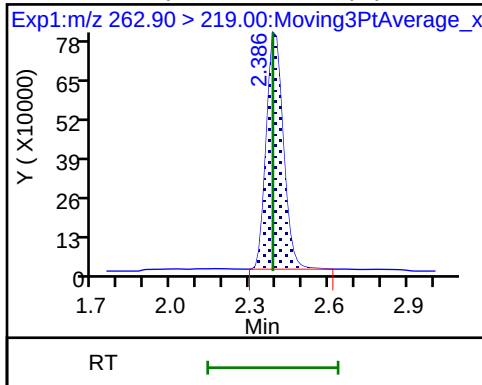
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

D 47 13C3 PFBS

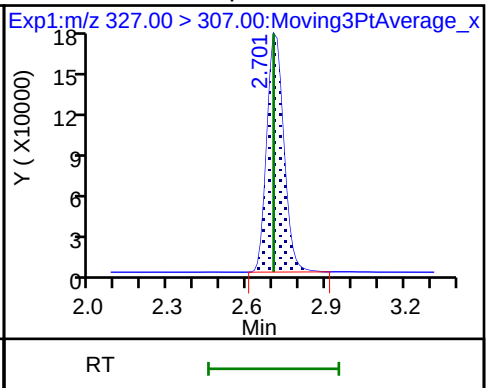
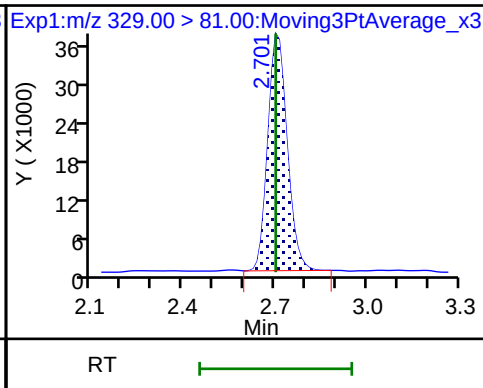
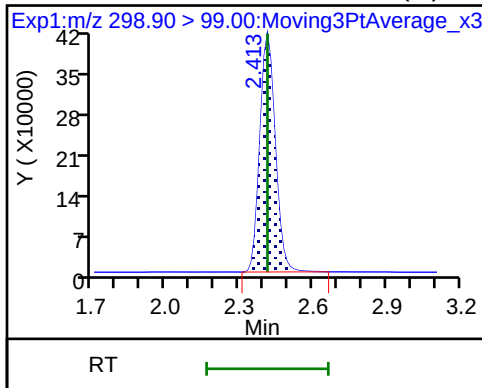
5 Perfluorobutanesulfonic acid



5 Perfluorobutanesulfonic acid (M)

D 60 M2-4:2 FTS

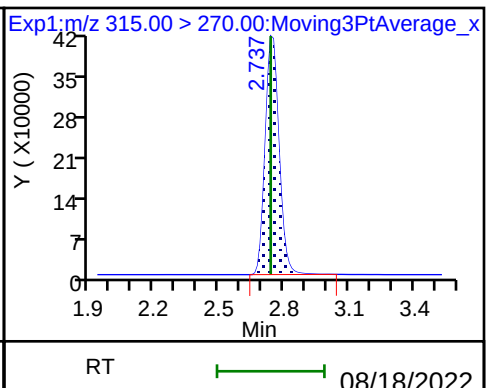
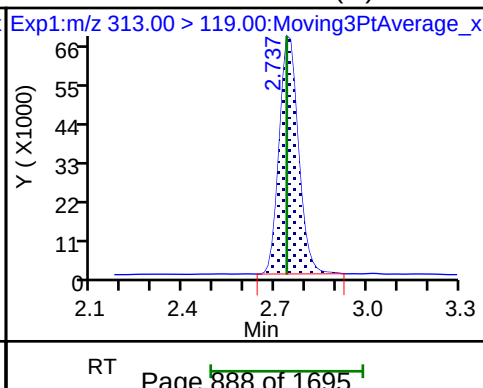
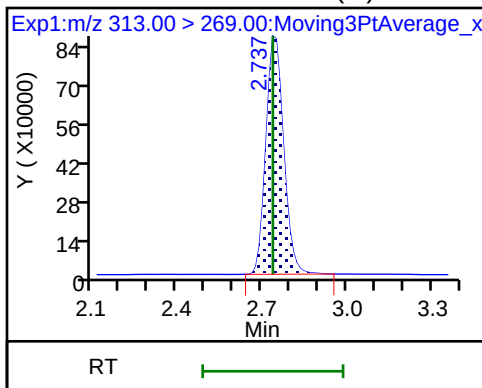
61 1H,1H,2H,2H-perfluorohexanesulfo



6 Perfluorohexanoic acid (M)

6 Perfluorohexanoic acid (M)

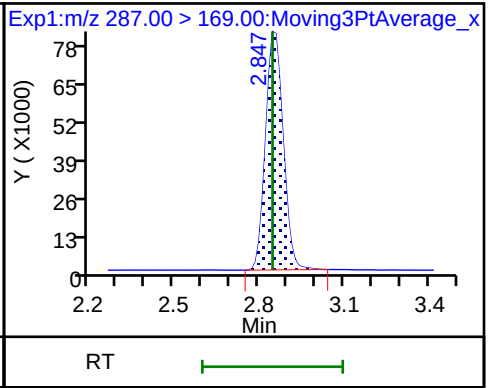
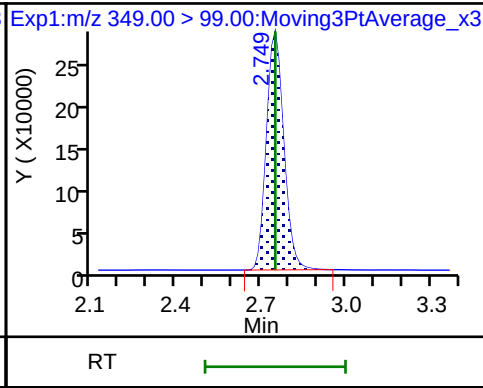
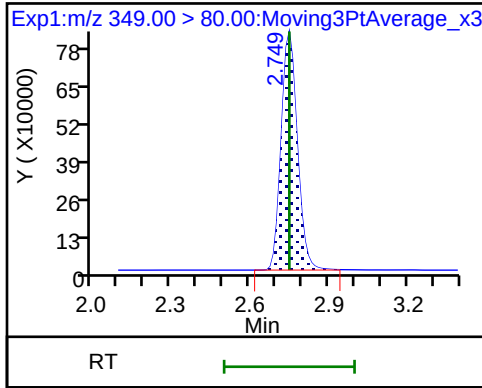
D 7 13C2 PFHxA



70 Perfluoropentanesulfonic acid (M)

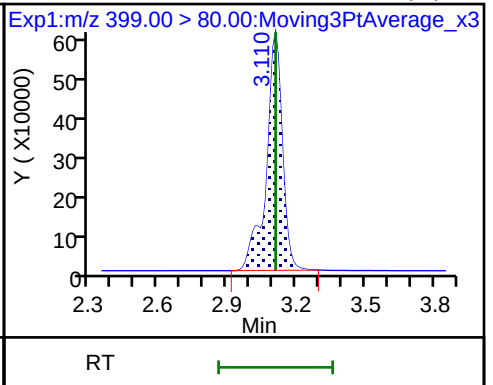
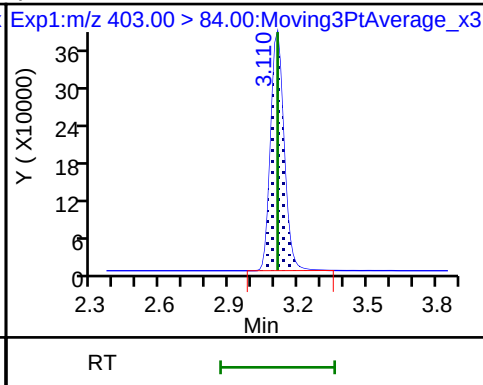
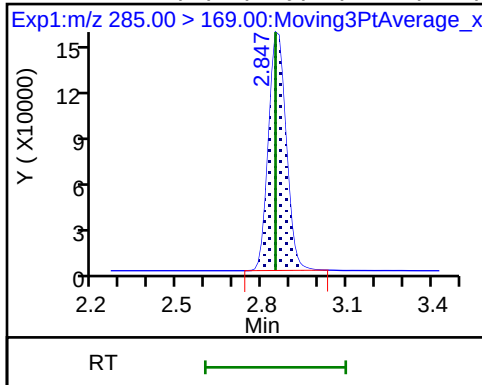
70 Perfluoropentanesulfonic acid

D 64 13C3 HFPO-DA



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

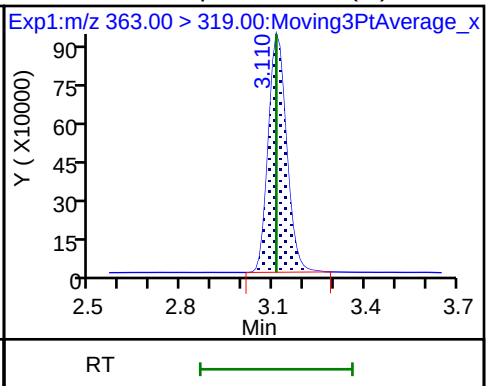
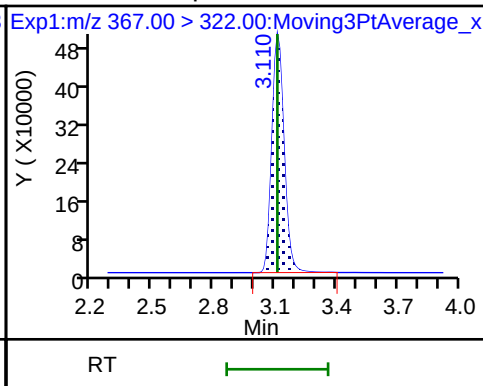
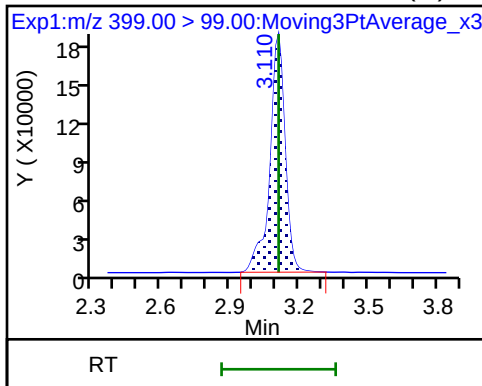
8 Perfluorohexanesulfonic acid (M)



8 Perfluorohexanesulfonic acid (M)

D 9 13C4 PFHpA

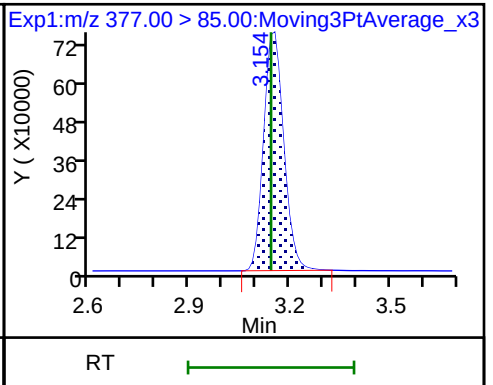
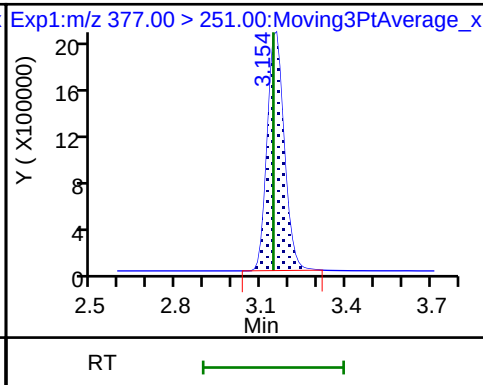
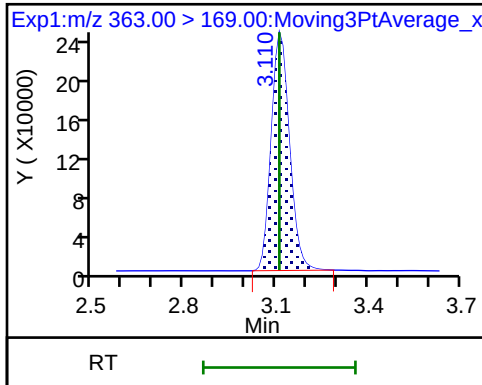
10 Perfluoroheptanoic acid (M)



10 Perfluoroheptanoic acid (M)

77 DONA (M)

77 DONA (M)



D 12 M2-6:2 FTS (M)

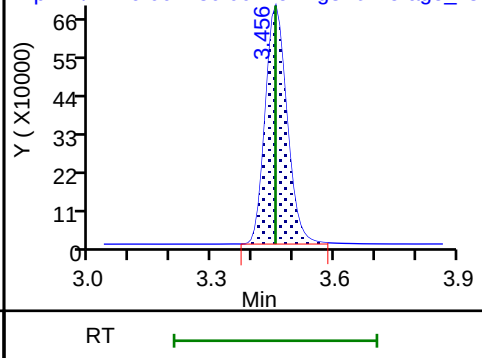
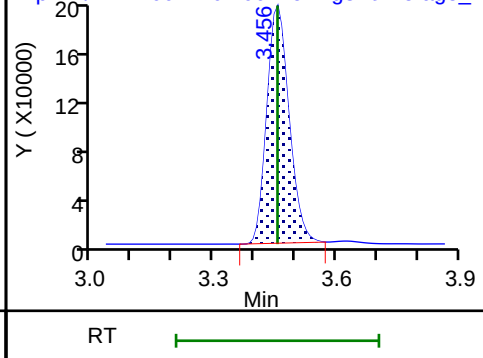
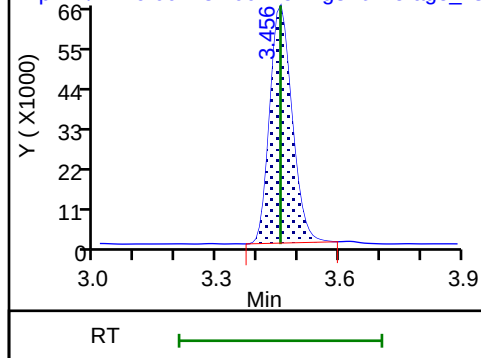
13 1H,1H,2H,2H-perfluorooctanesulfo (M)

16 Perfluoroheptanesulfonic acid (M)

Exp1:m/z 429.00 > 81.00:Moving3PtAverage_x3

Exp1:m/z 427.00 > 407.00:Moving3PtAverage_x3

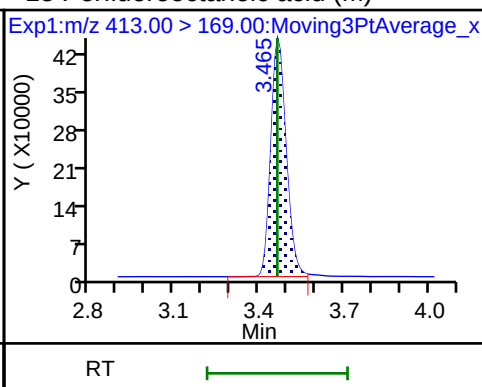
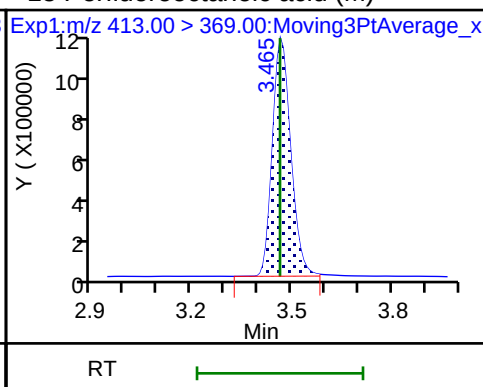
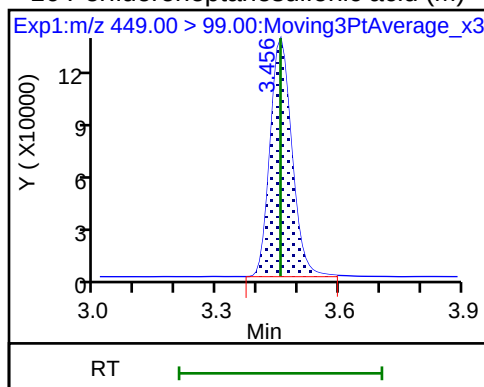
Exp1:m/z 449.00 > 80.00:Moving3PtAverage_x3



16 Perfluoroheptanesulfonic acid (M)

15 Perfluorooctanoic acid (M)

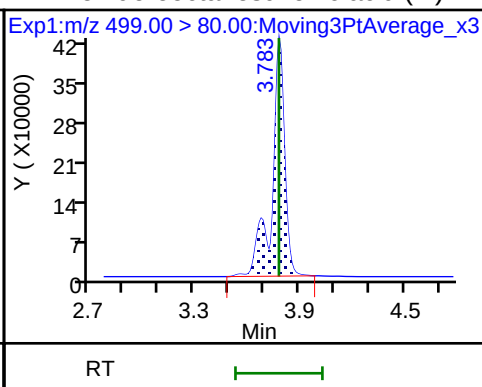
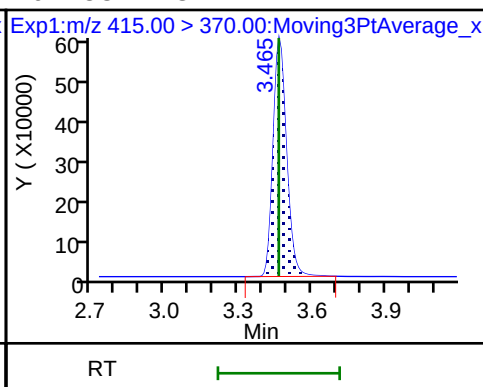
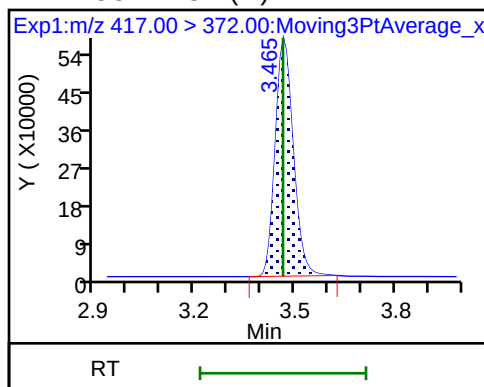
15 Perfluorooctanoic acid (M)



D 14 13C4 PFOA (M)

* 62 13C2 PFOA

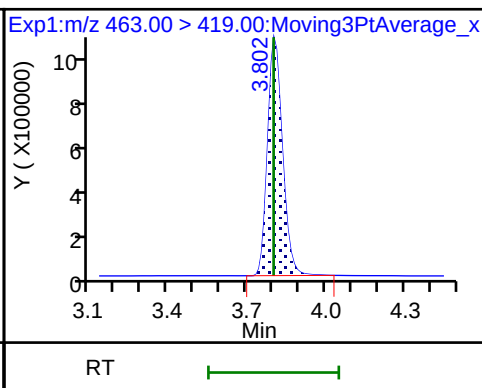
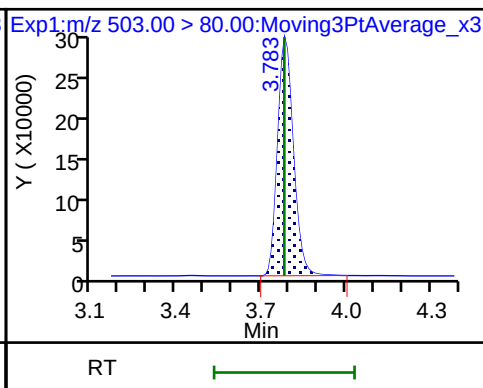
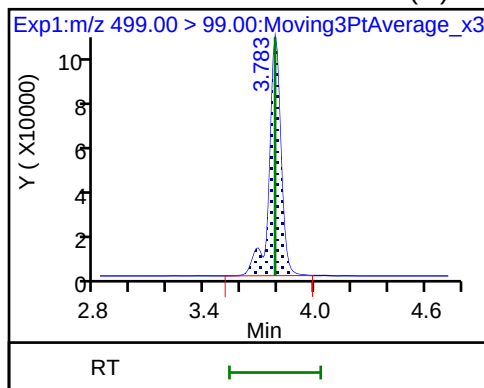
17 Perfluorooctanesulfonic acid (M)

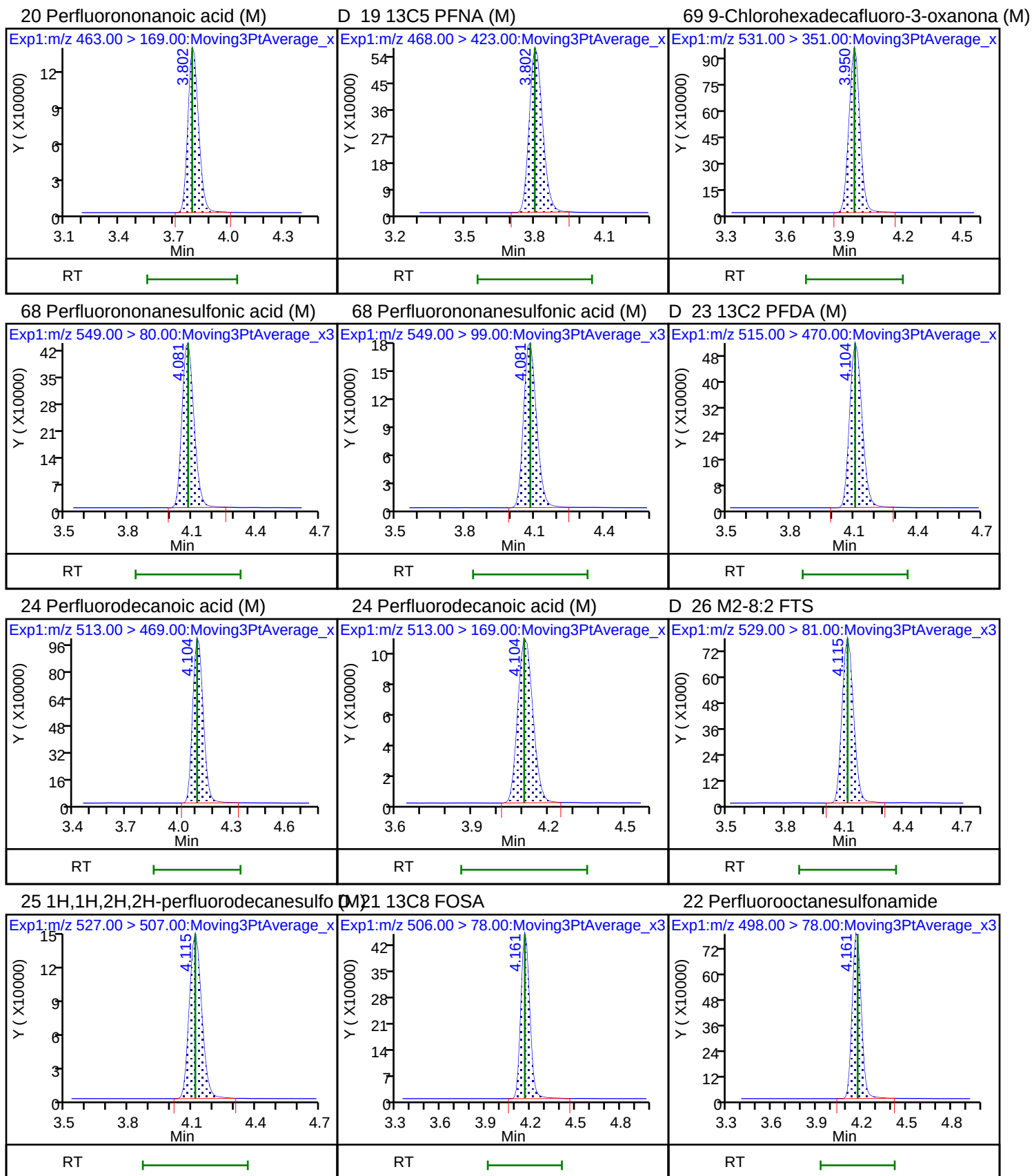


17 Perfluorooctanesulfonic acid (M)

D 18 13C4 PFOS

20 Perfluorononanoic acid

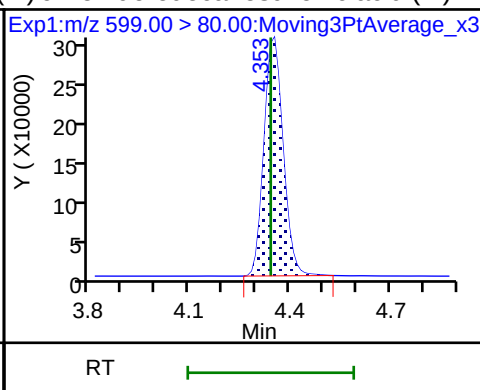
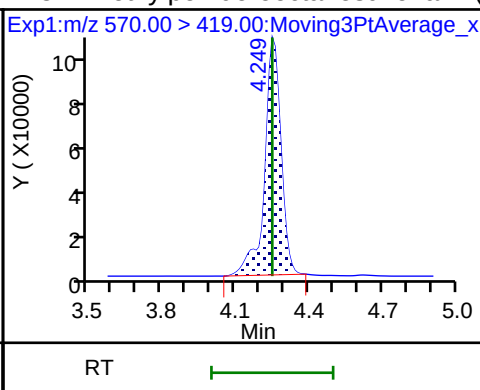
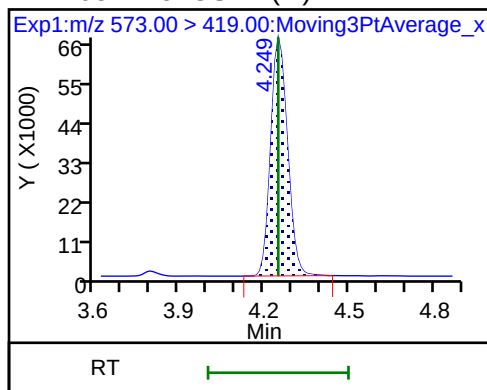




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami (M)

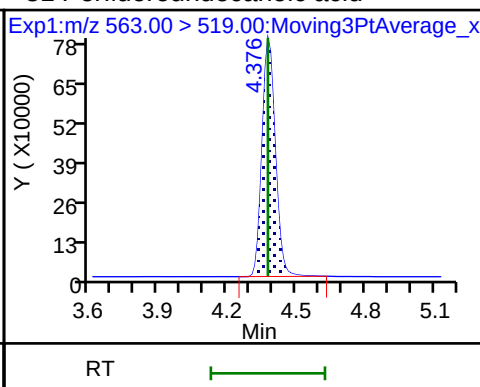
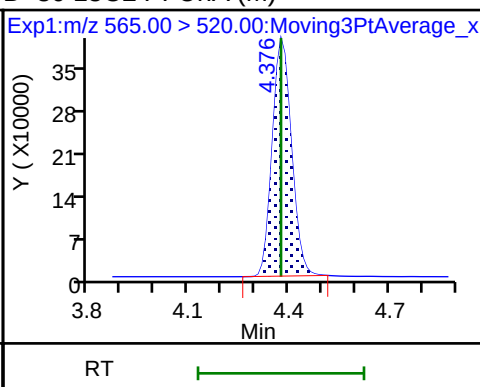
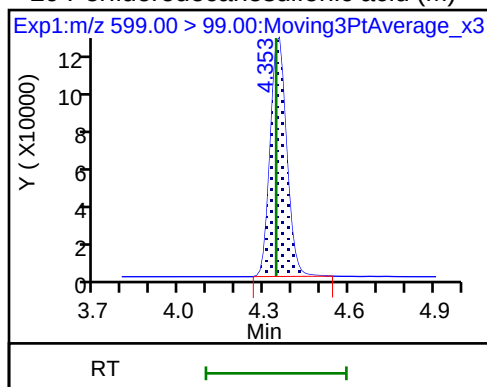
29 Perfluorodecanesulfonic acid (M)



29 Perfluorodecanesulfonic acid (M)

D 30 13C2 PFUnA (M)

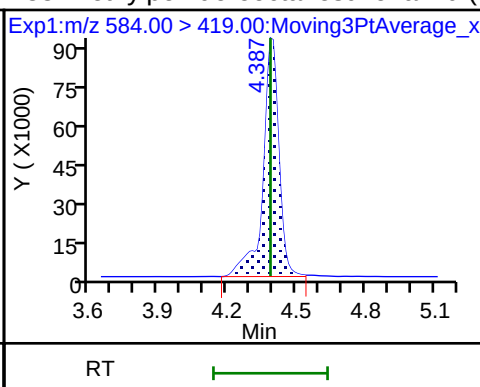
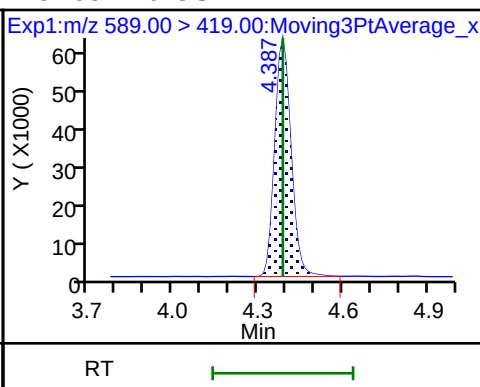
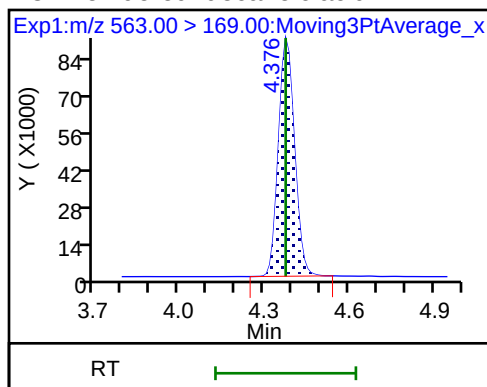
31 Perfluoroundecanoic acid



31 Perfluoroundecanoic acid

D 32 d5-NEtFOSAA

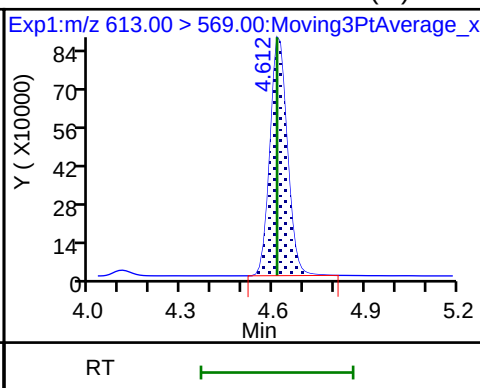
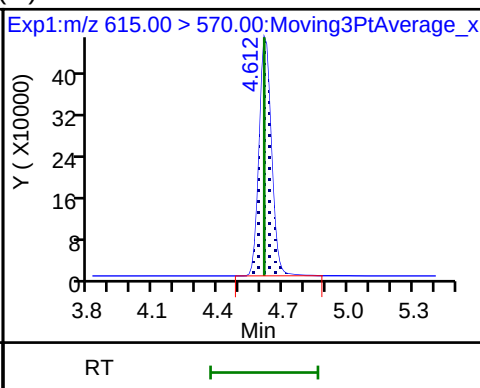
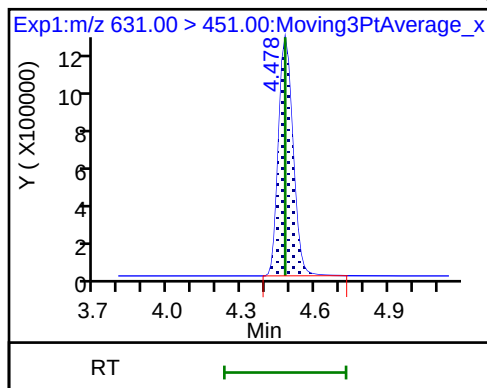
33 N-ethylperfluorooctanesulfonamid (M)



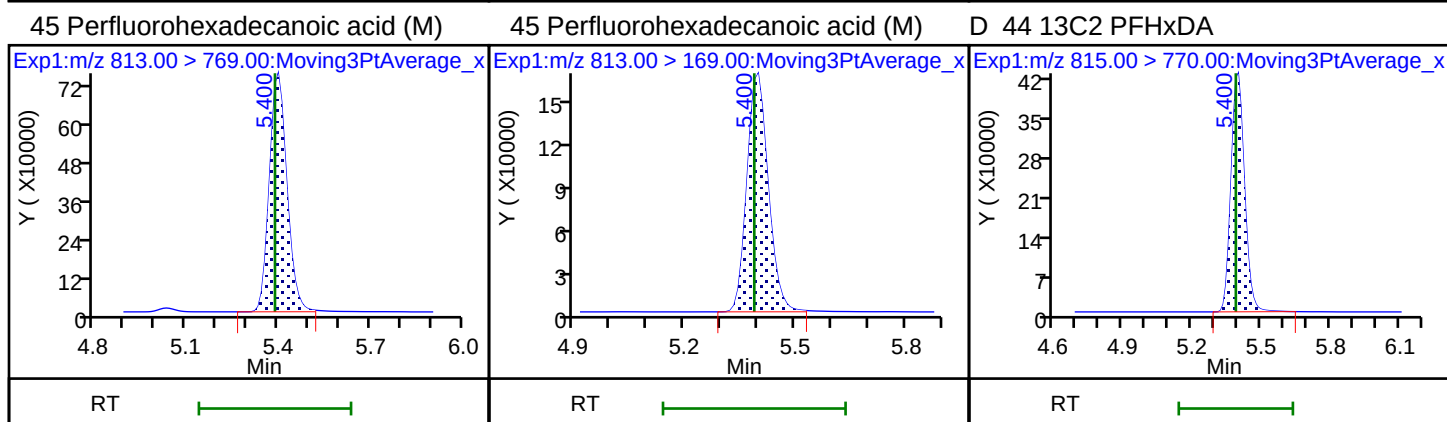
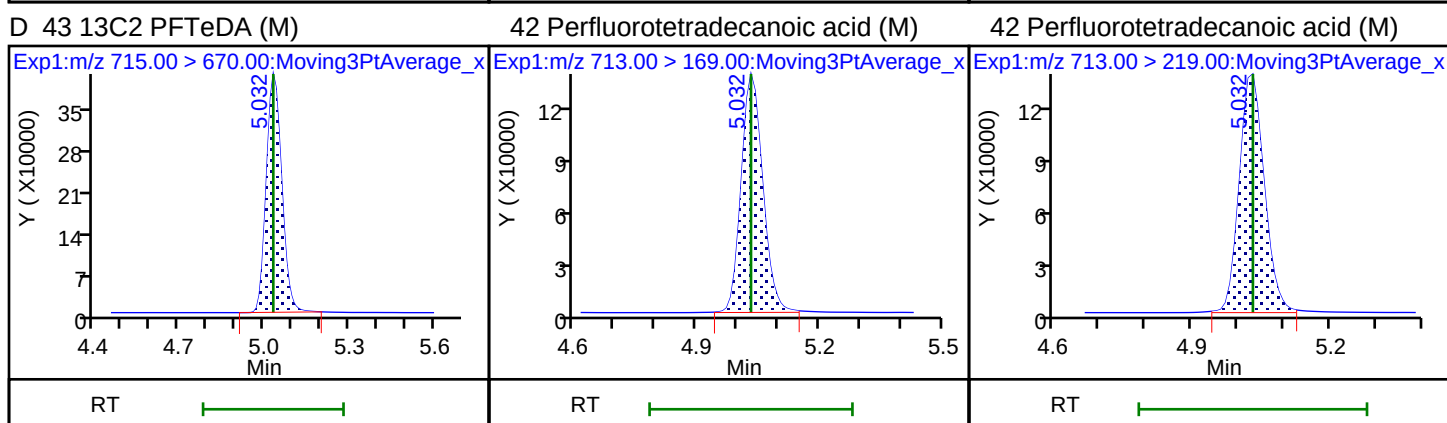
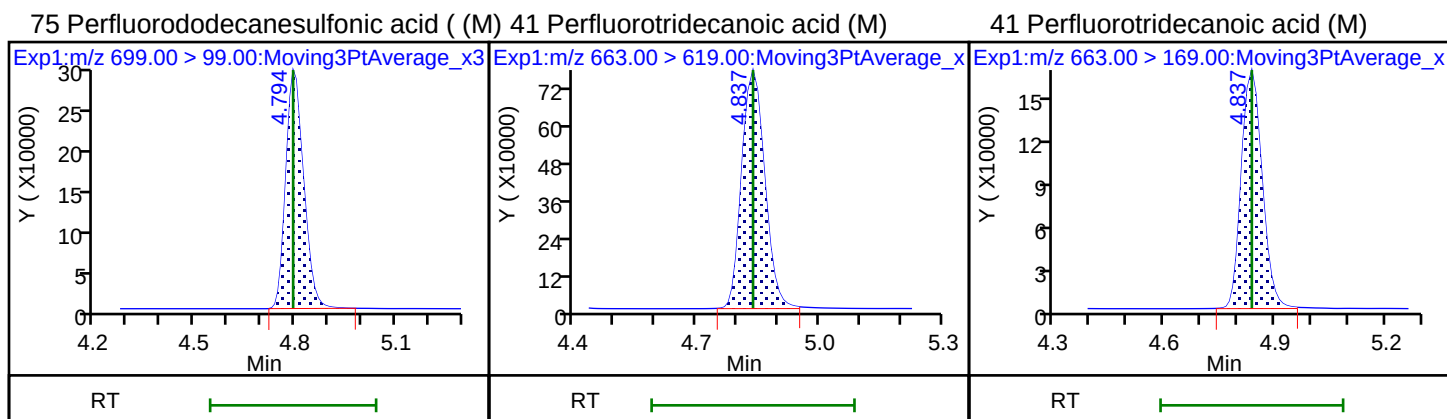
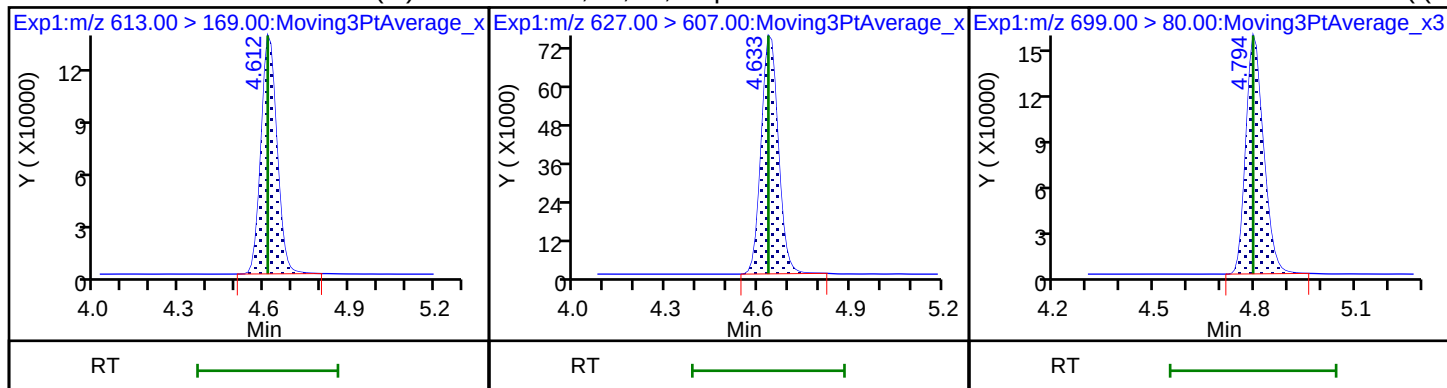
66 11-Chloroeicosafluoro-3-oxaundec (M)

36 13C2 PFDaA

37 Perfluorododecanoic acid (M)

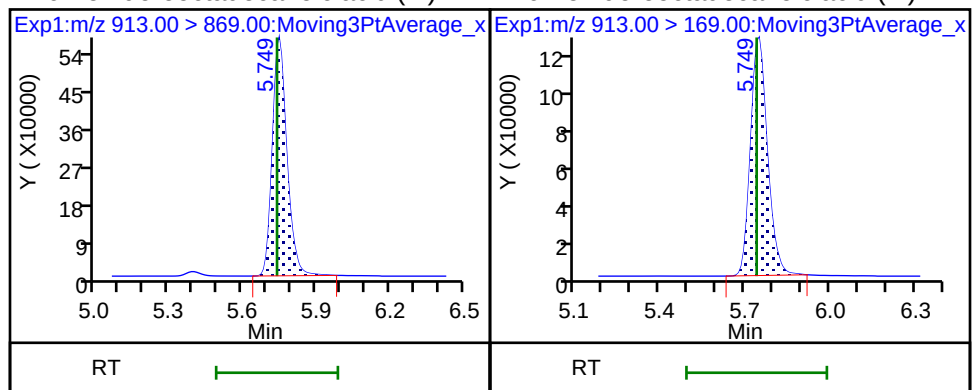


37 Perfluorododecanoic acid (M) 74 1H,1H,2H,2H-perfluorododecanesul 75 Perfluorododecanesulfonic acid (M)



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

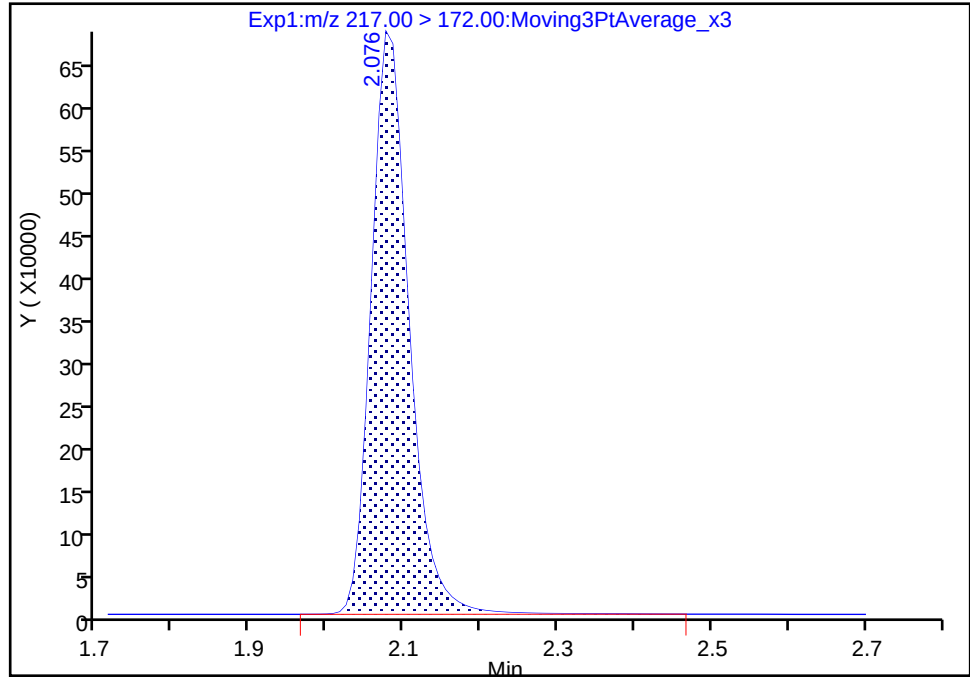
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A31.d
Injection Date: 09-Aug-2022 19:56:34 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 28 Worklist Smp#: 31
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 1 13C4 PFBA, CAS: STL00992

Signal: 1

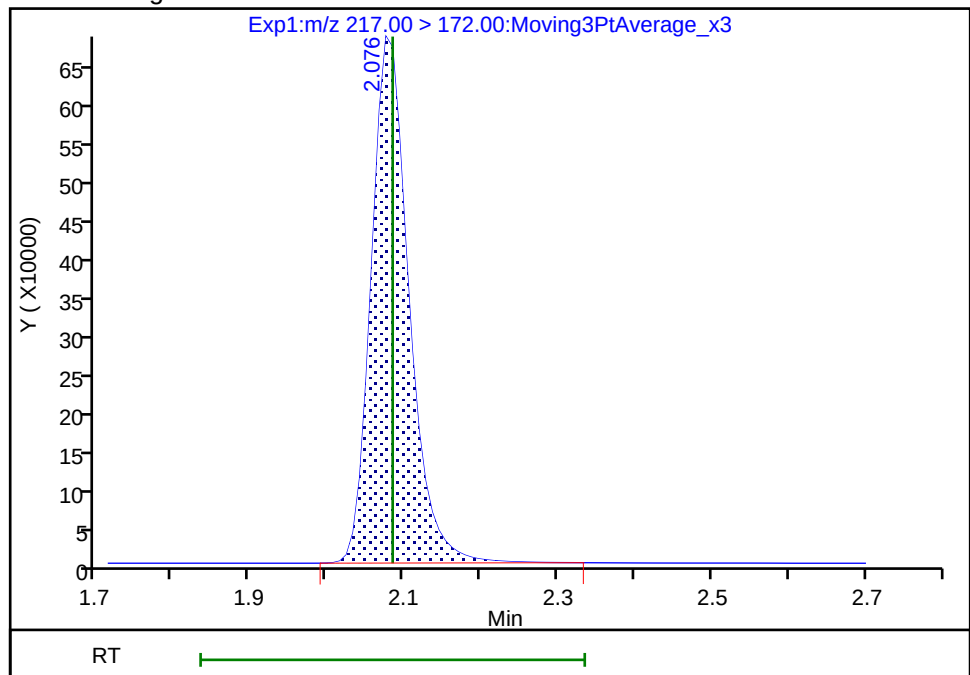
RT: 2.08
Area: 2331775
Amount: 1.094876
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 2324159
Amount: 1.091300
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:40:42
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

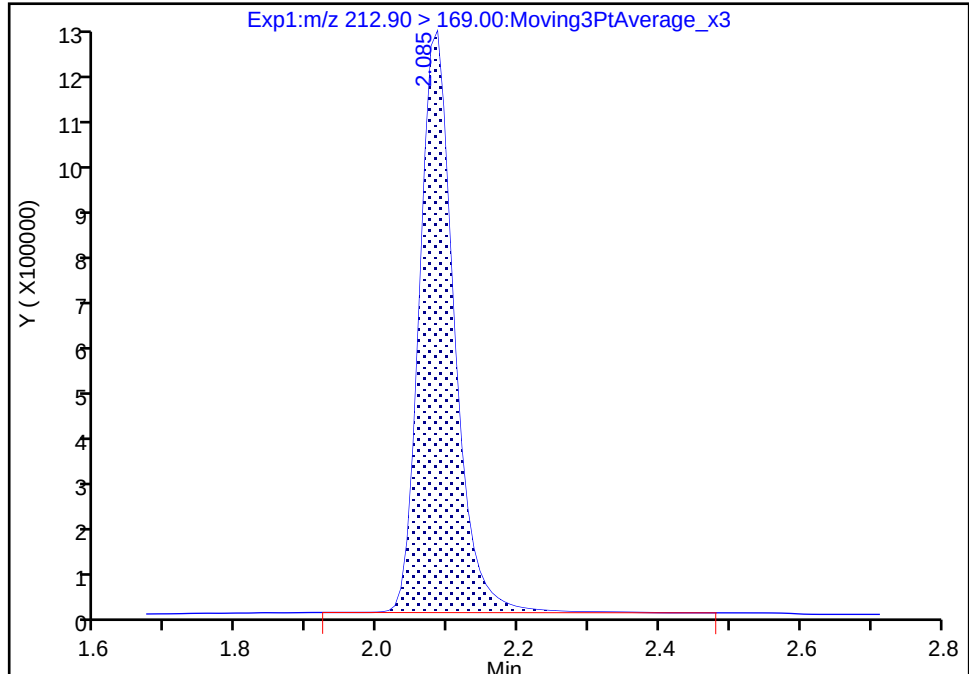
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A31.d
Injection Date: 09-Aug-2022 19:56:34 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 28 Worklist Smp#: 31
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

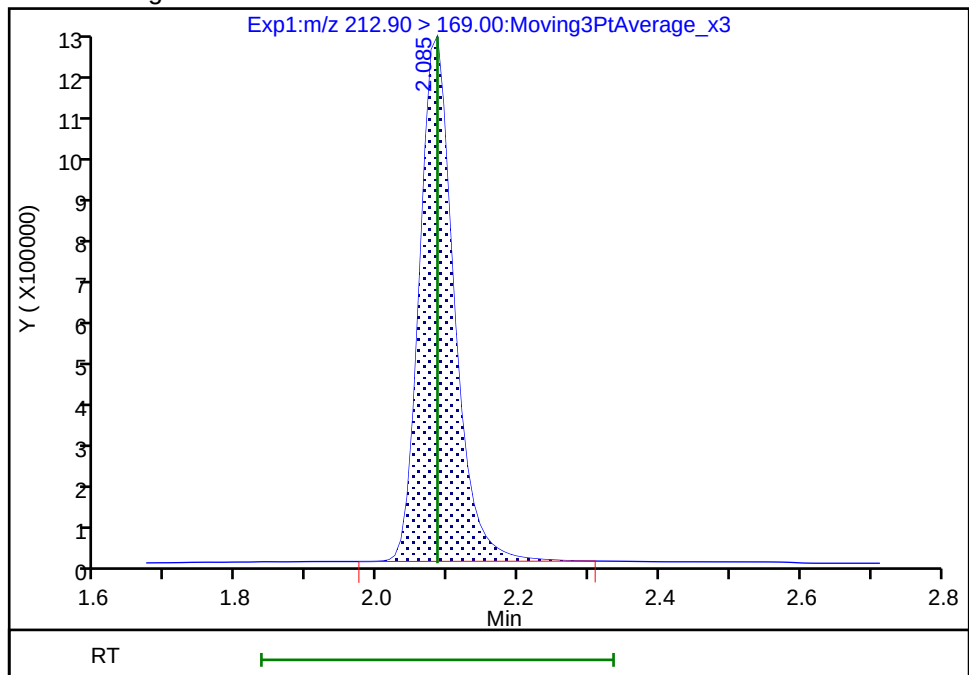
RT: 2.08
Area: 4126310
Amount: 2.281141
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 4103969
Amount: 2.276225
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:47:16

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

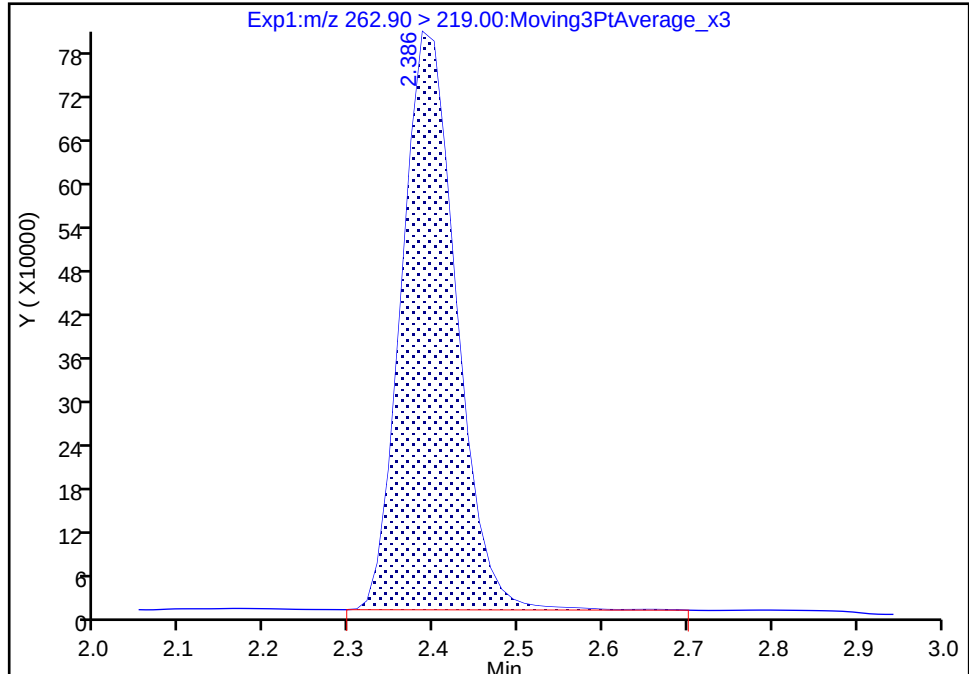
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A31.d
Injection Date: 09-Aug-2022 19:56:34 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 28 Worklist Smp#: 31
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

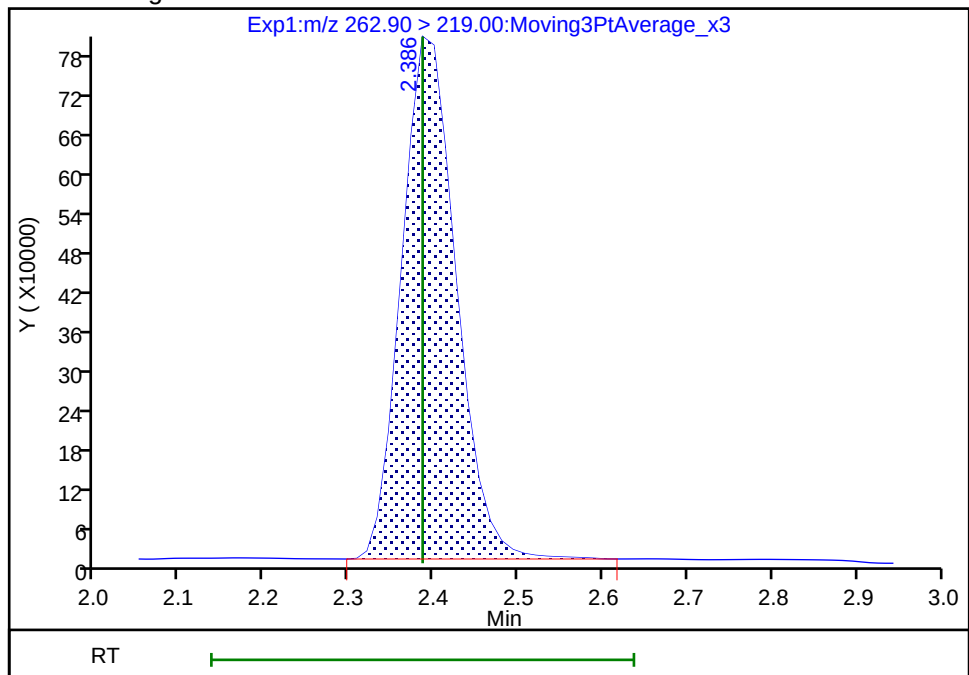
RT: 2.39
Area: 3581198
Amount: 2.359703
Amount Units: ng/ml

Processing Integration Results



RT: 2.39
Area: 3572308
Amount: 2.353846
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:47:22

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

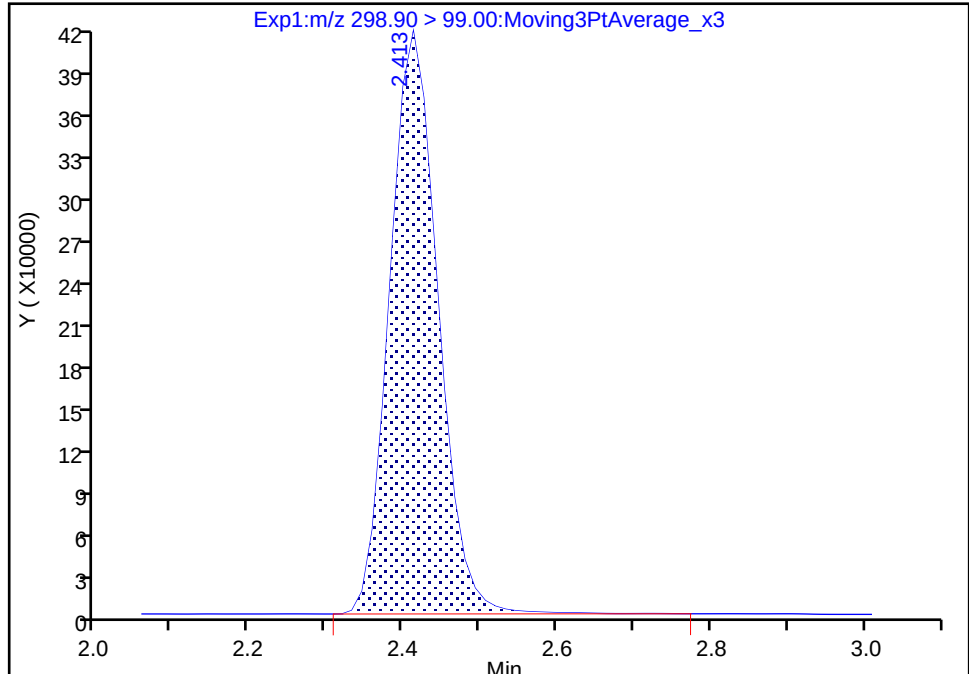
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A31.d
Injection Date: 09-Aug-2022 19:56:34 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 28 Worklist Smp#: 31
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

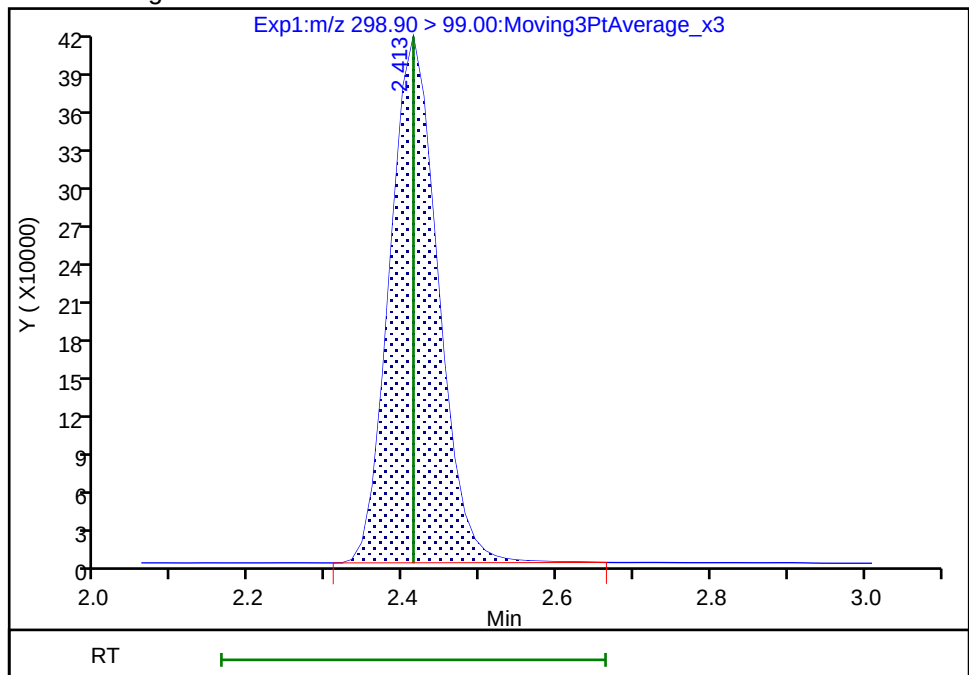
RT: 2.41
Area: 1801344
Amount: 2.028130
Amount Units: ng/ml

Processing Integration Results



RT: 2.41
Area: 1798070
Amount: 2.028130
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:47:33

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

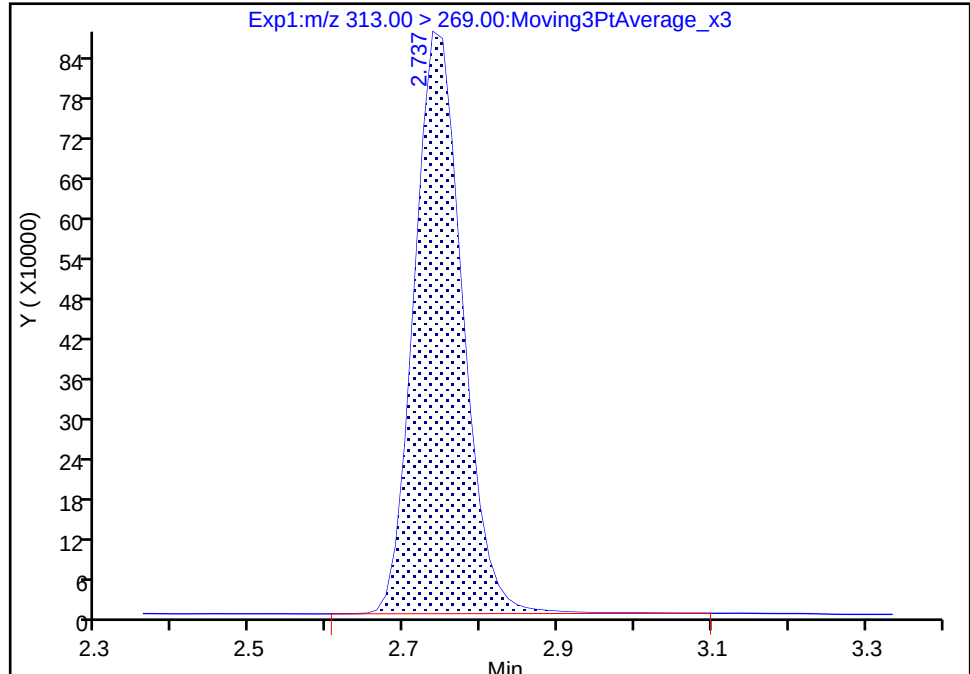
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A31.d
Injection Date: 09-Aug-2022 19:56:34 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 28 Worklist Smp#: 31
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

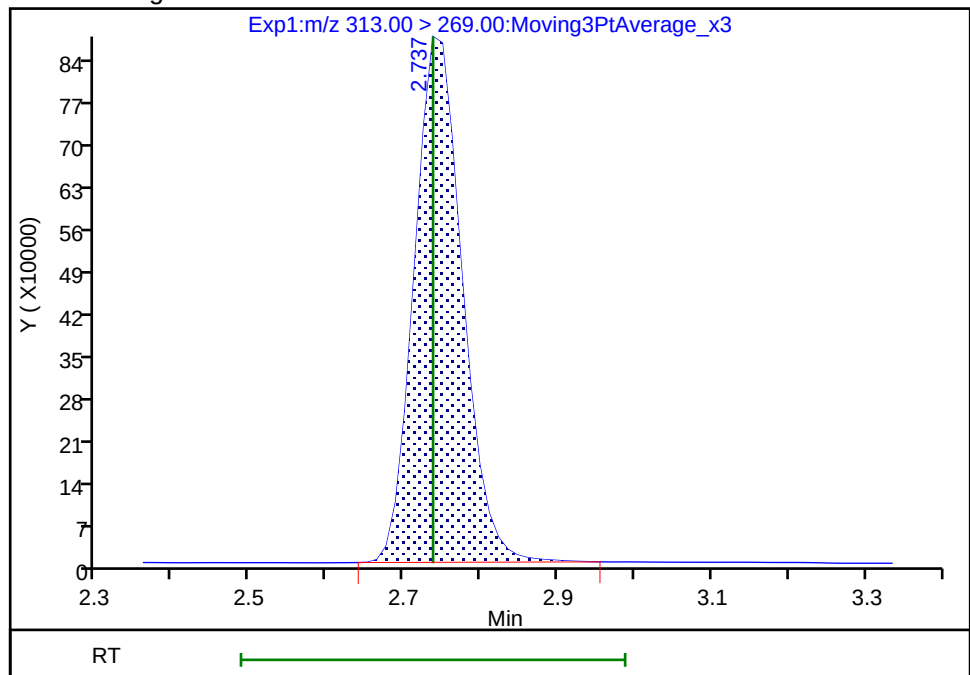
RT: 2.74
Area: 3817462
Amount: 2.502115
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 3801782
Amount: 2.491838
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:47:39

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

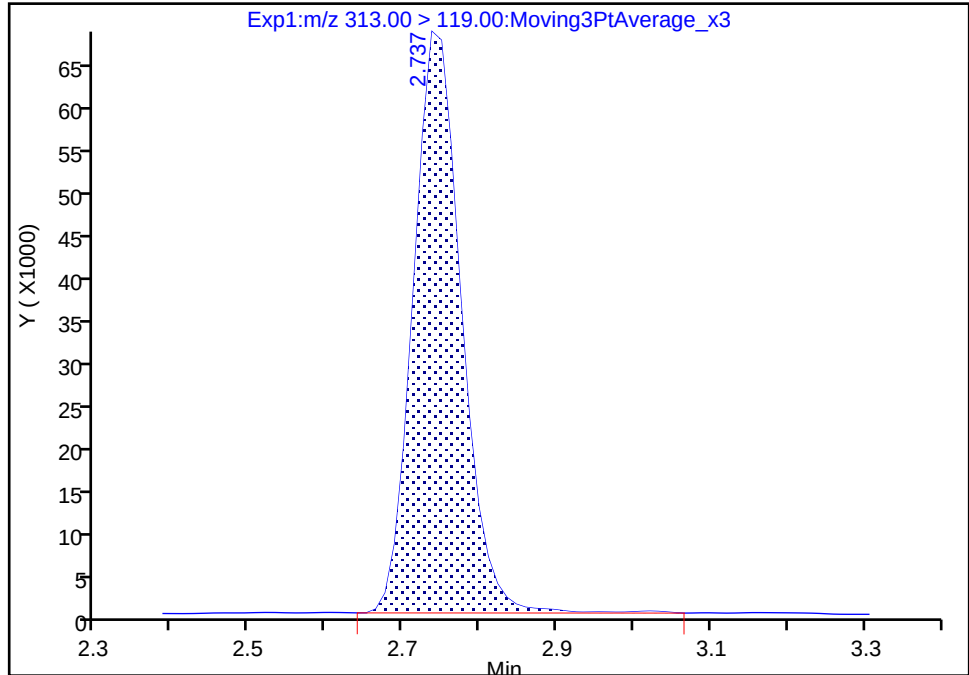
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A31.d
Injection Date: 09-Aug-2022 19:56:34 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 28 Worklist Smp#: 31
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

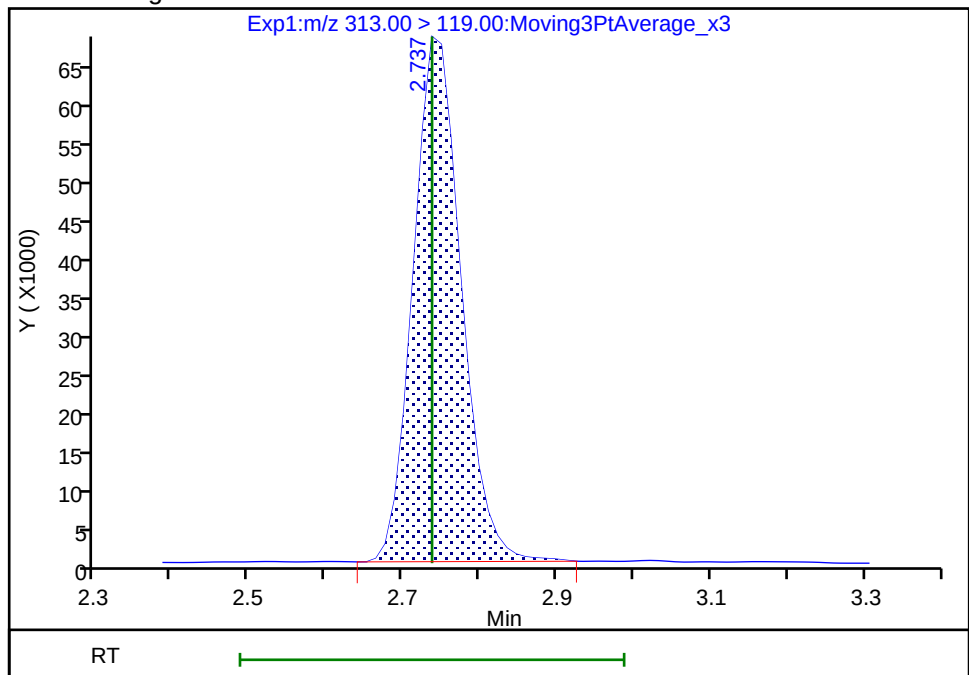
RT: 2.74
Area: 294839
Amount: 2.502115
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 292959
Amount: 2.491838
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:47:43

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

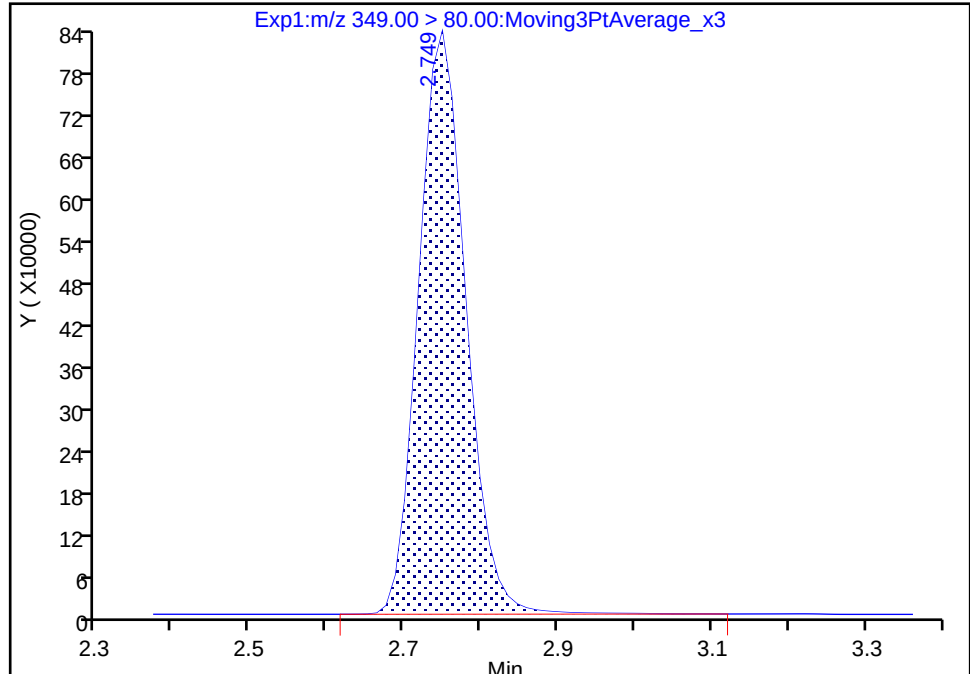
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A31.d
Injection Date: 09-Aug-2022 19:56:34 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 28 Worklist Smp#: 31
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 1

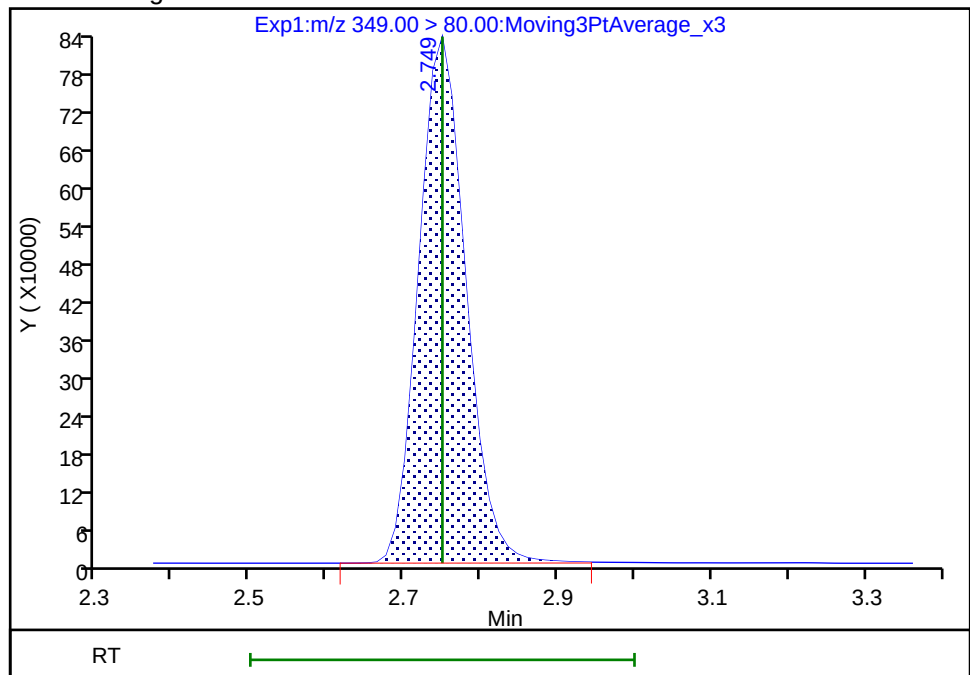
RT: 2.75
Area: 3543780
Amount: 2.110338
Amount Units: ng/ml

Processing Integration Results



RT: 2.75
Area: 3538412
Amount: 2.107142
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:47:48

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

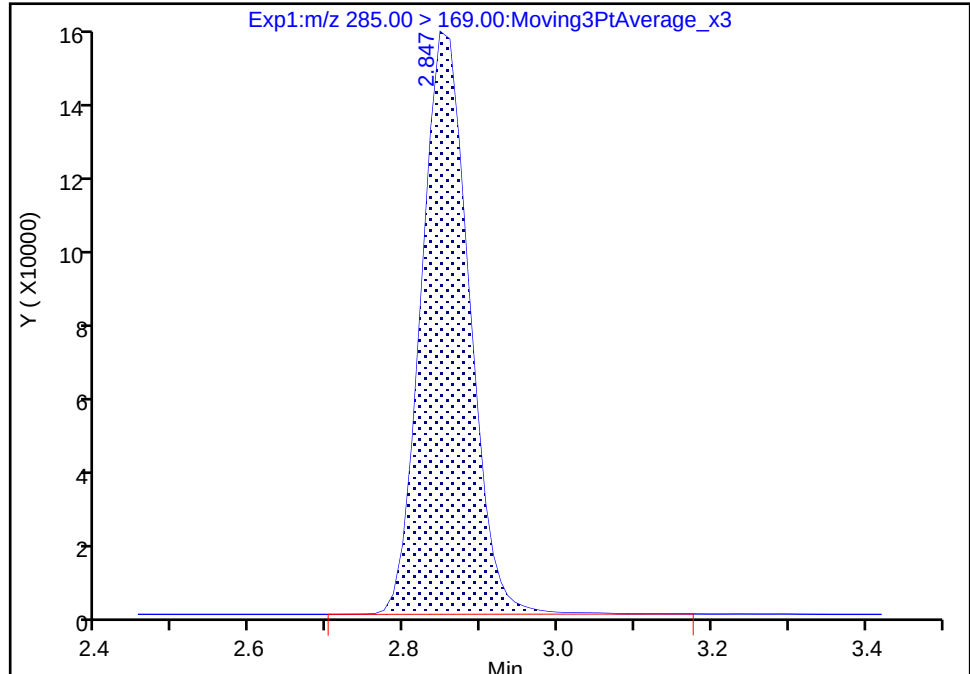
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A31.d
Injection Date: 09-Aug-2022 19:56:34 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 28 Worklist Smp#: 31
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

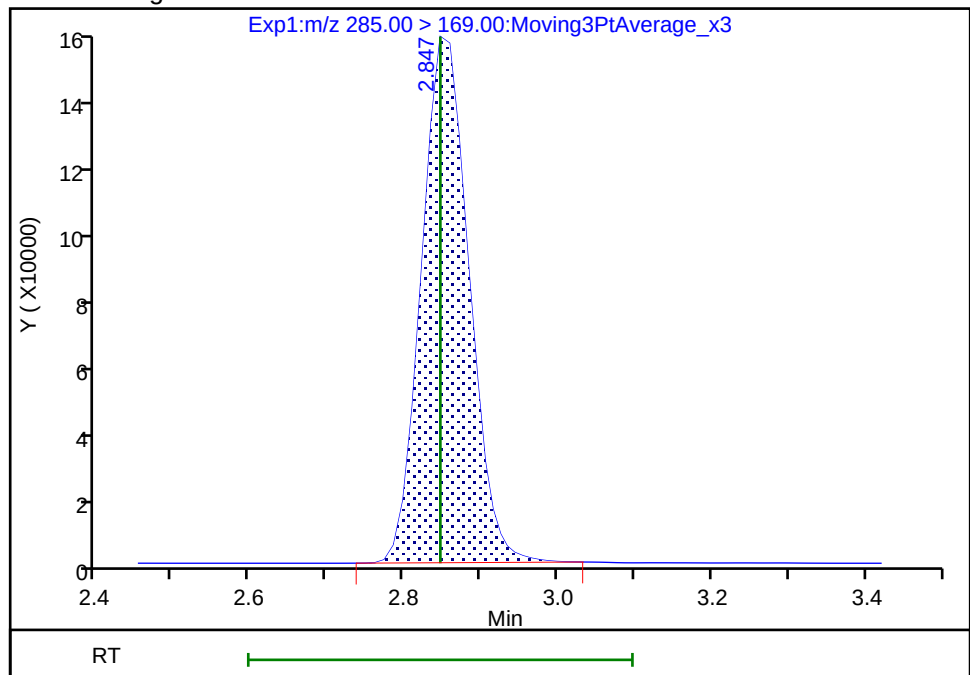
RT: 2.85
Area: 687821
Amount: 2.249162
Amount Units: ng/ml

Processing Integration Results



RT: 2.85
Area: 684243
Amount: 2.237462
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:47:55

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

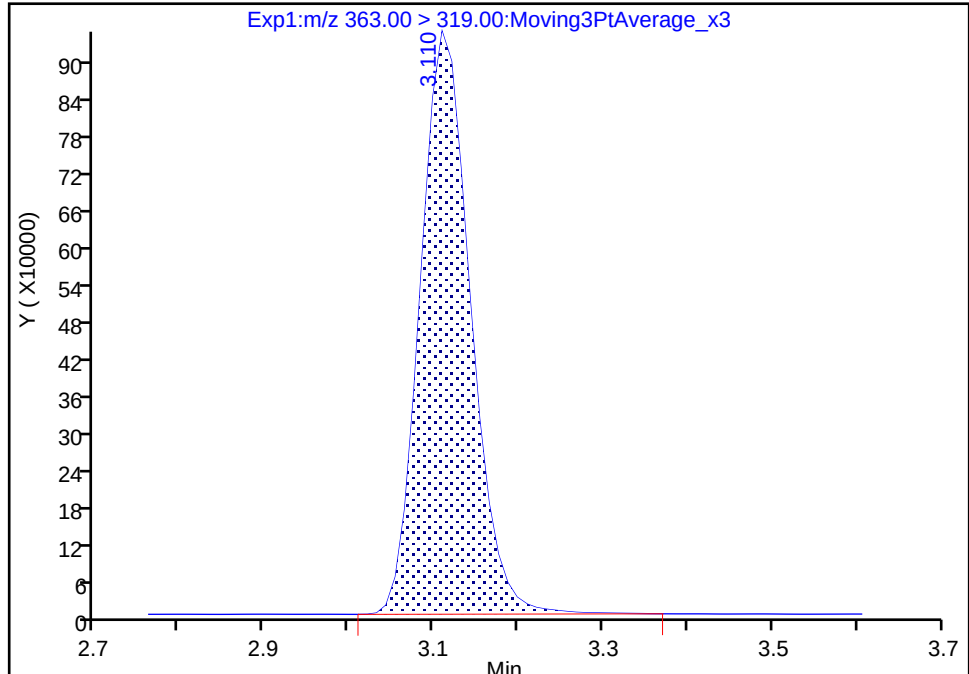
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A31.d
Injection Date: 09-Aug-2022 19:56:34 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 28 Worklist Smp#: 31
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

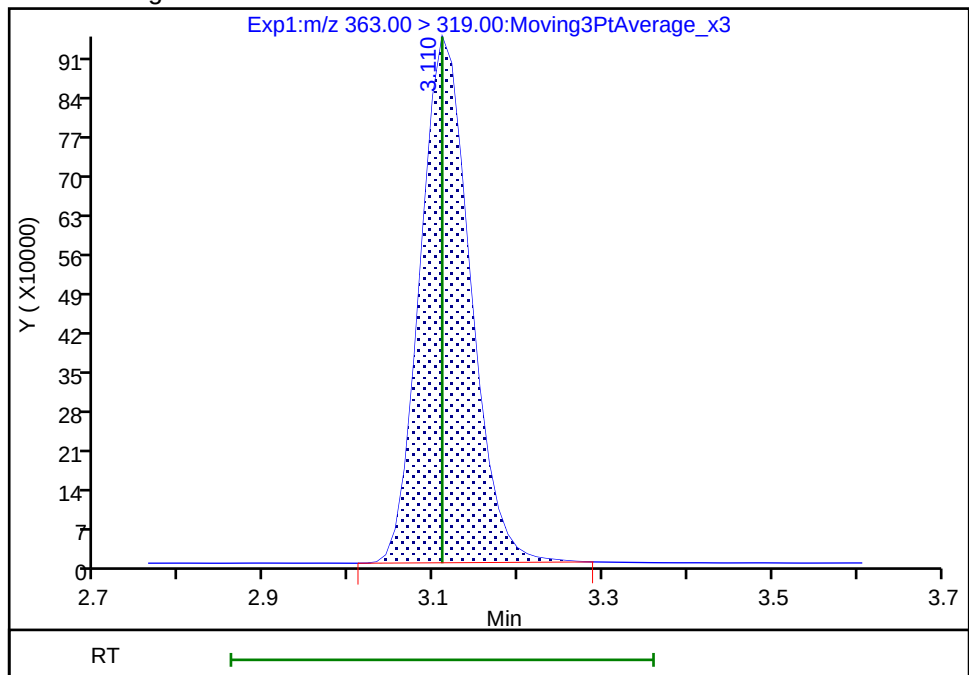
RT: 3.11
Area: 3918069
Amount: 2.296482
Amount Units: ng/ml

Processing Integration Results



RT: 3.11
Area: 3900313
Amount: 2.286074
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:48:15

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A31.d

Injection Date: 09-Aug-2022 19:56:34

Instrument ID: LC812

Lims ID: CCV L5

Client ID:

Operator ID: lc812tech

ALS Bottle#:

28

Worklist Smp#: 31

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

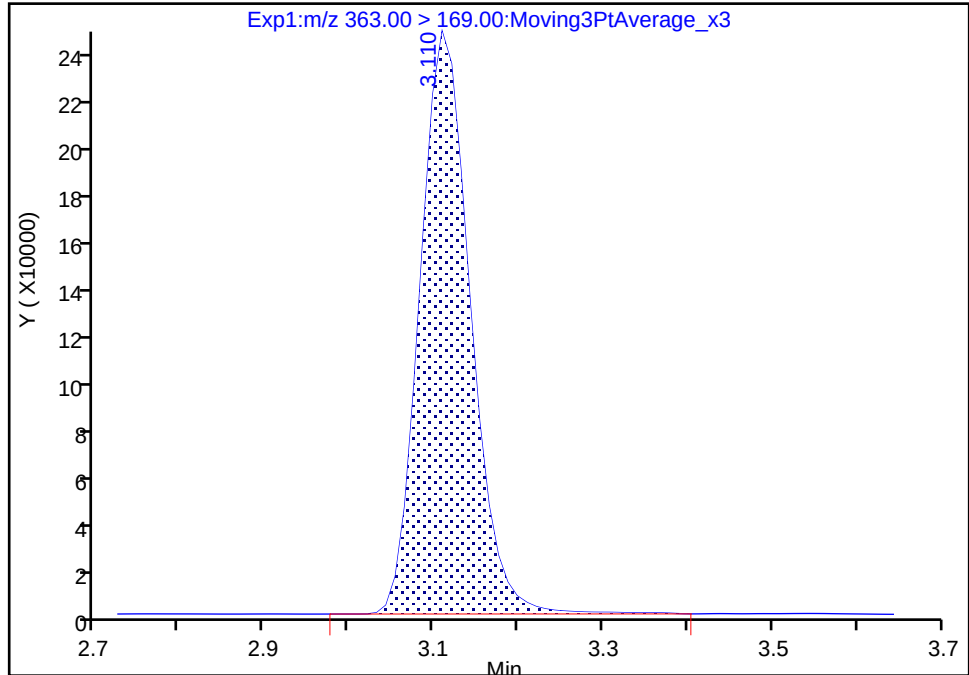
EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

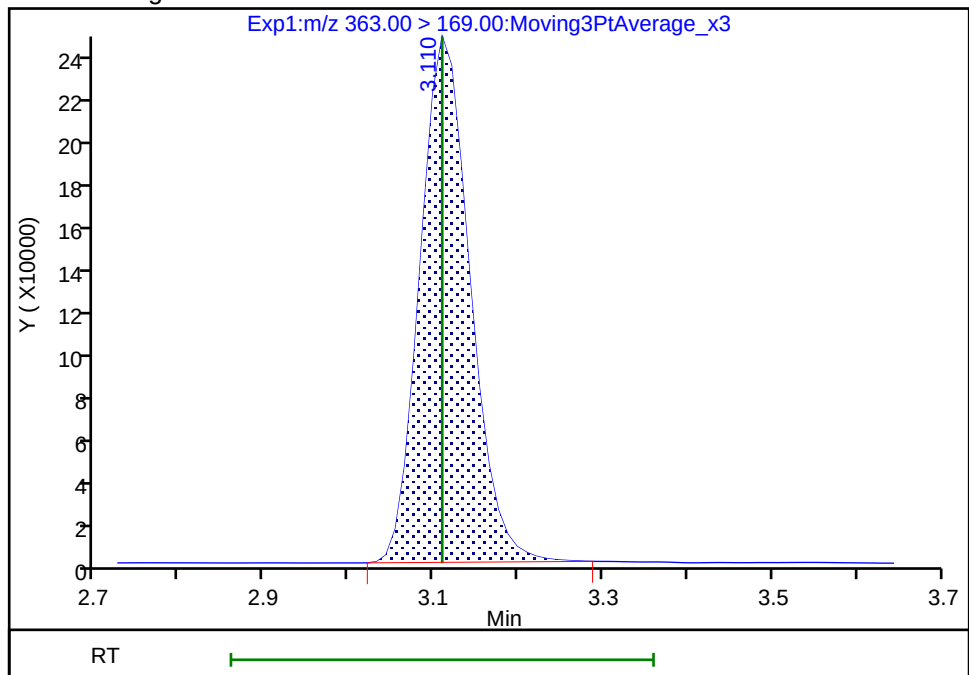
RT: 3.11
Area: 1016747
Amount: 2.296482
Amount Units: ng/ml

Processing Integration Results



RT: 3.11
Area: 1007894
Amount: 2.286074
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:48:20

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

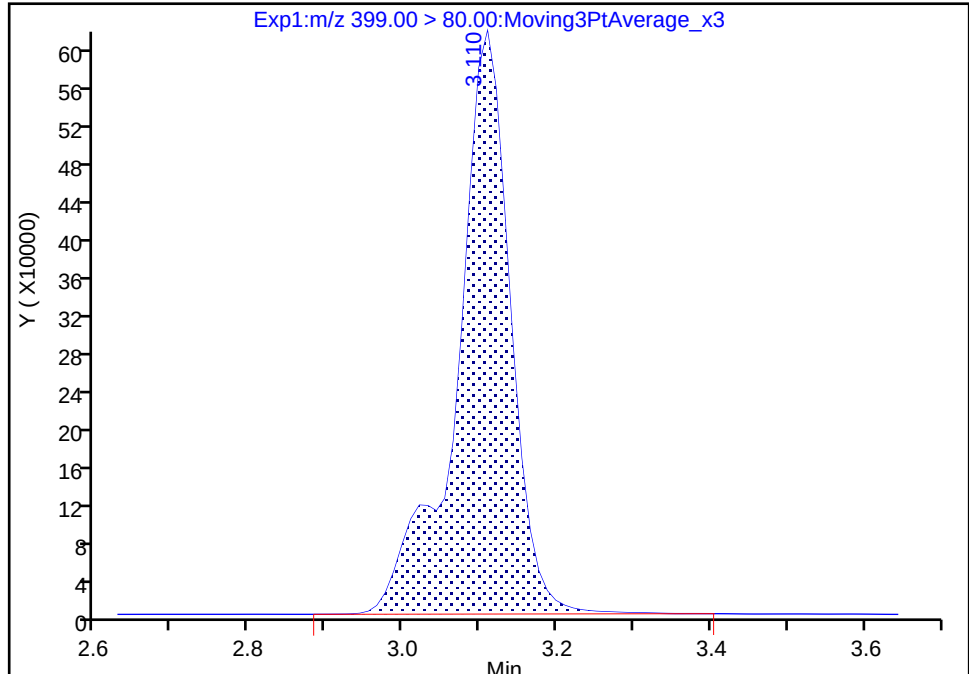
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A31.d
Injection Date: 09-Aug-2022 19:56:34 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 28 Worklist Smp#: 31
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

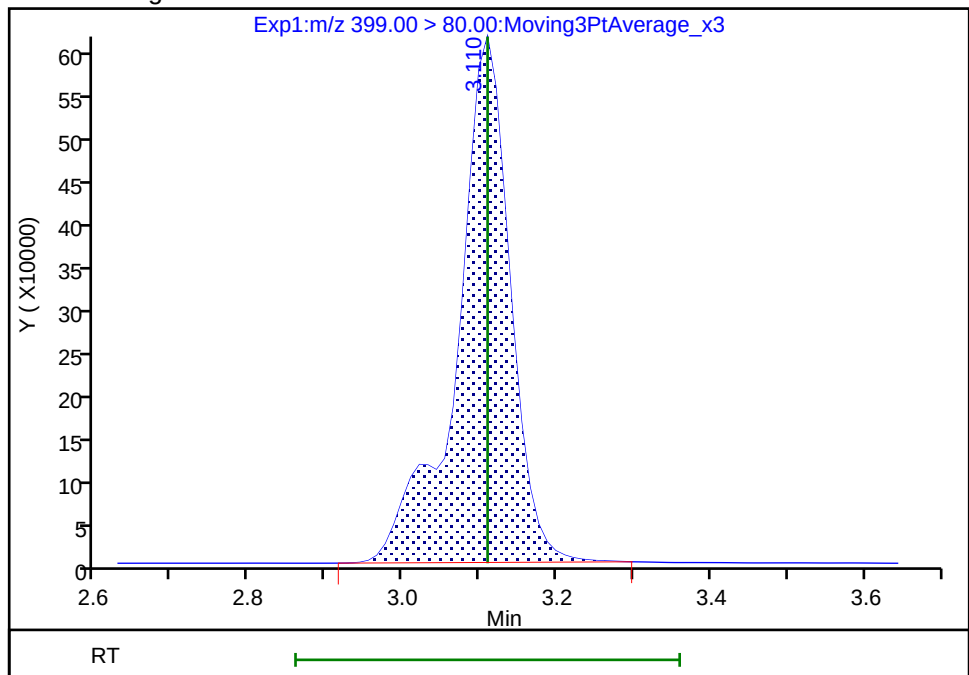
RT: 3.11
Area: 2958625
Amount: 2.071223
Amount Units: ng/ml

Processing Integration Results



RT: 3.11
Area: 2943268
Amount: 2.060472
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:48:01
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

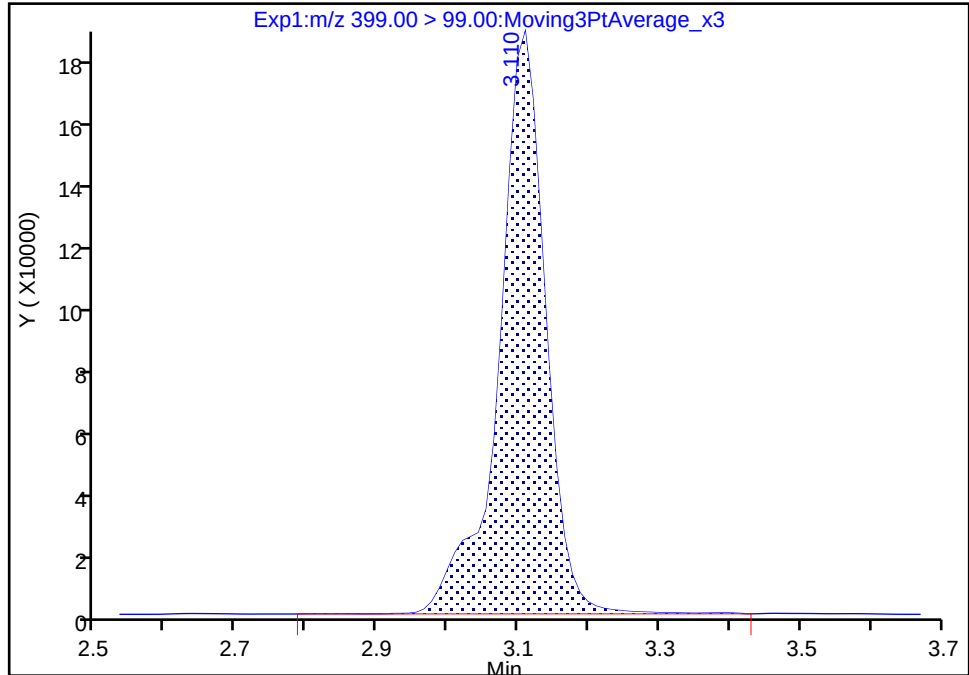
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A31.d
Injection Date: 09-Aug-2022 19:56:34 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 28 Worklist Smp#: 31
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

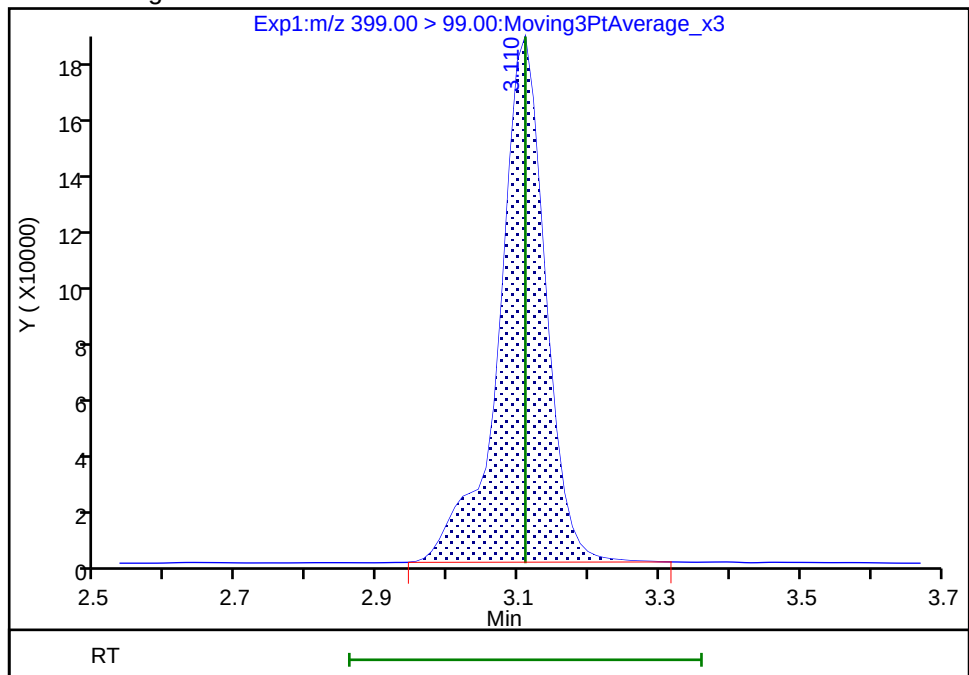
RT: 3.11
Area: 831860
Amount: 2.071223
Amount Units: ng/ml

Processing Integration Results



RT: 3.11
Area: 824878
Amount: 2.060472
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:48:07

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

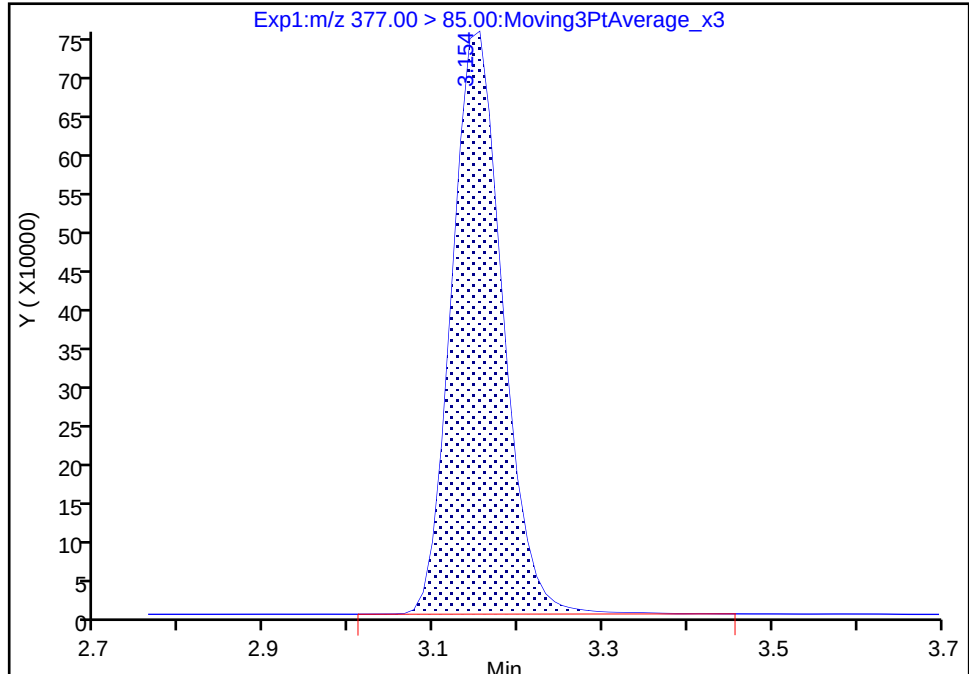
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A31.d
Injection Date: 09-Aug-2022 19:56:34 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 28 Worklist Smp#: 31
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

77 DONA, CAS: 919005-14-4

Signal: 2

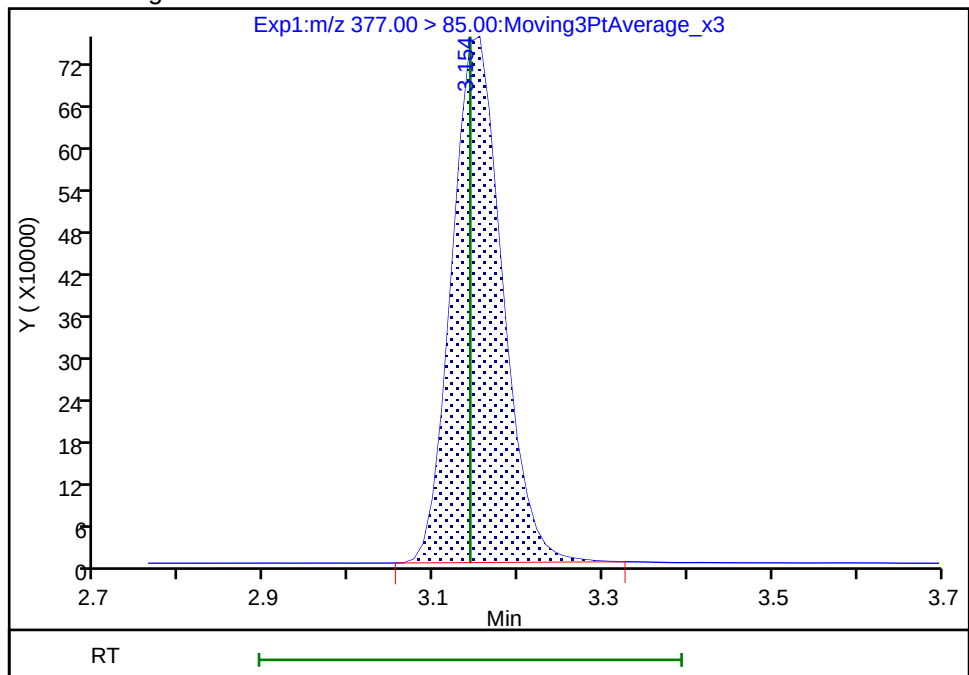
RT: 3.15
Area: 3121966
Amount: 2.222014
Amount Units: ng/ml

Processing Integration Results



RT: 3.15
Area: 3102906
Amount: 2.199067
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:48:28

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

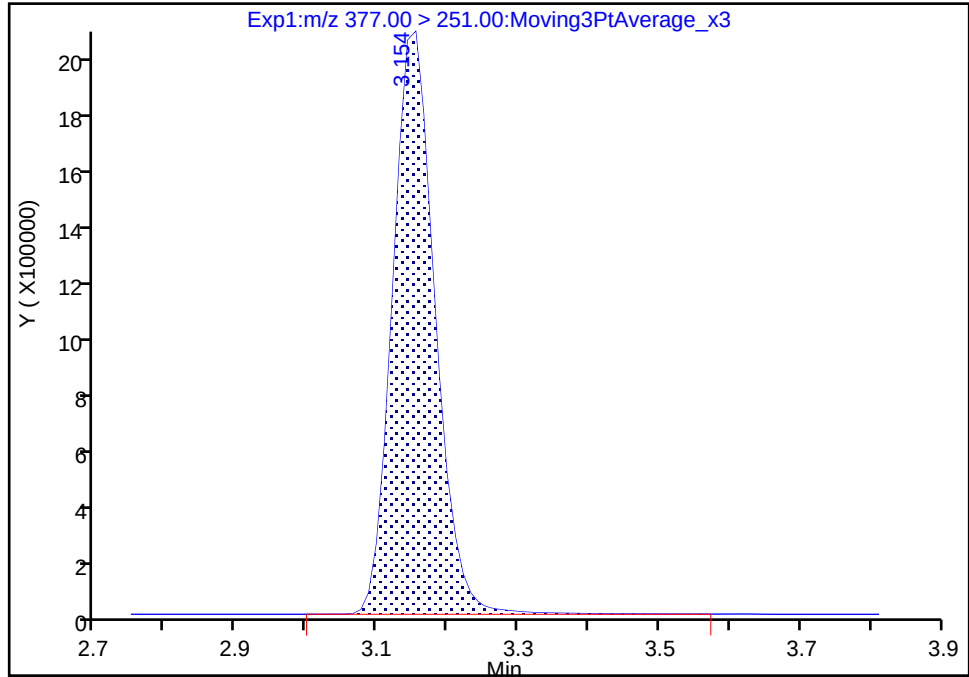
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A31.d
Injection Date: 09-Aug-2022 19:56:34 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 28 Worklist Smp#: 31
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

77 DONA, CAS: 919005-14-4

Signal: 1

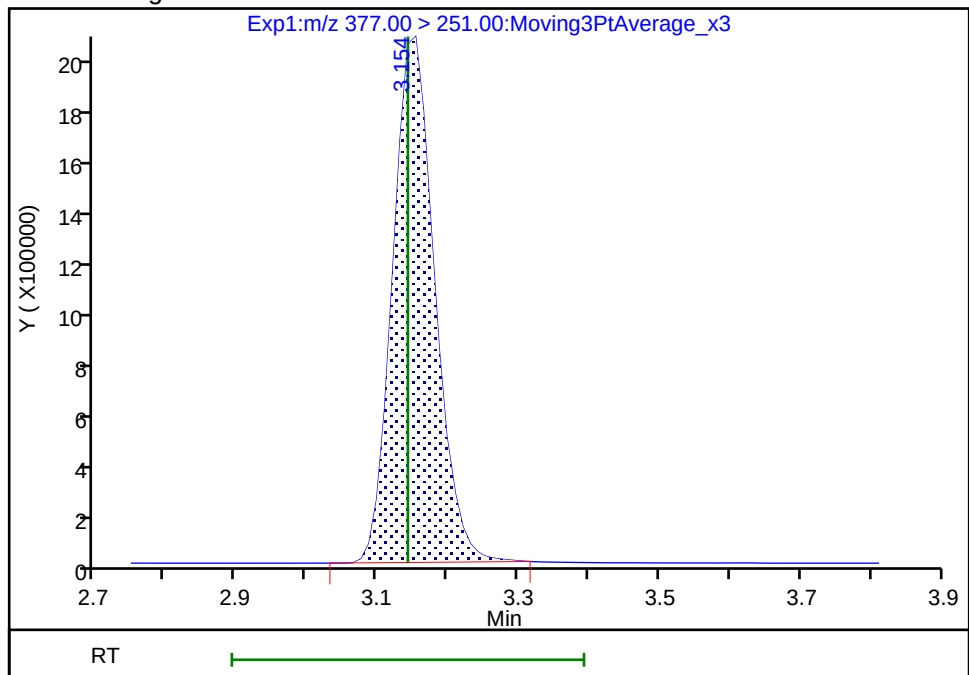
RT: 3.15
Area: 8582822
Amount: 2.222014
Amount Units: ng/ml

Processing Integration Results



RT: 3.15
Area: 8494183
Amount: 2.199067
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:40:59

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

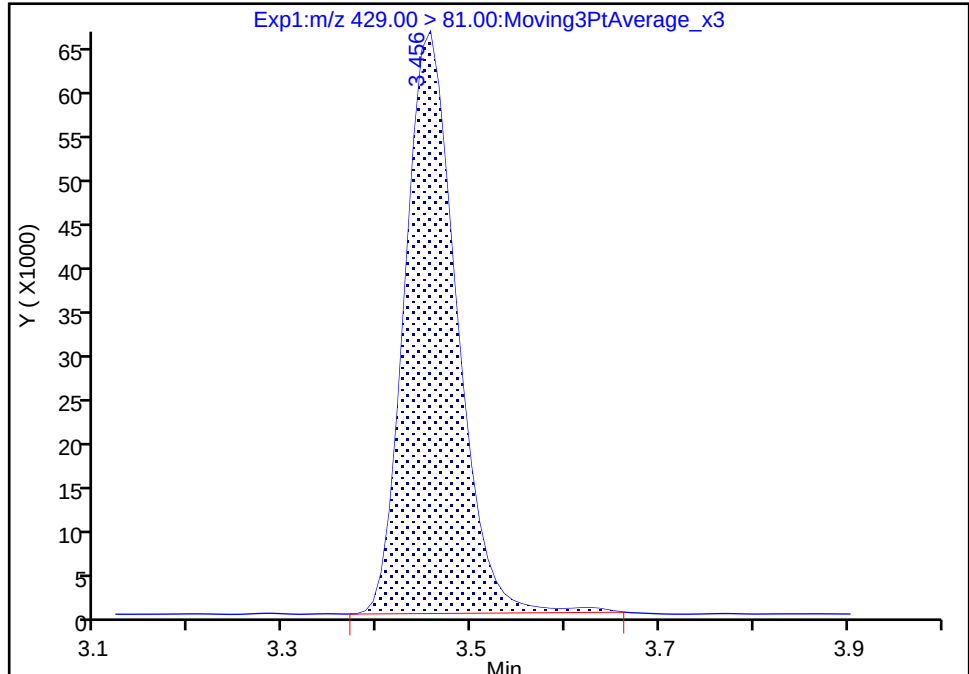
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A31.d
Injection Date: 09-Aug-2022 19:56:34 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 28 Worklist Smp#: 31
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

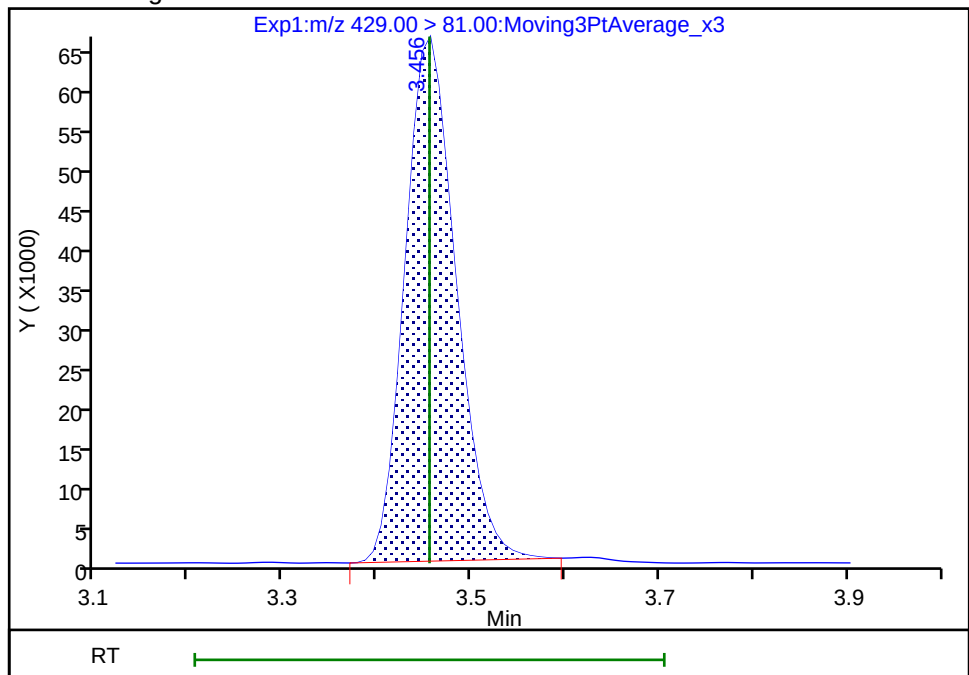
RT: 3.46
Area: 254998
Amount: 1.142875
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 250512
Amount: 1.122769
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:46:53

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

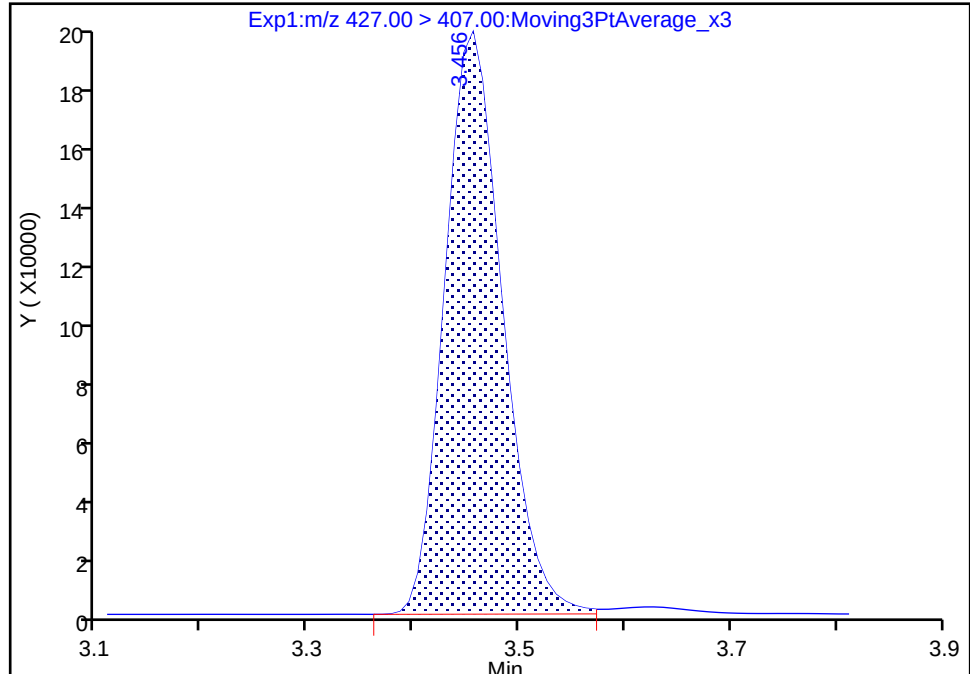
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A31.d
Injection Date: 09-Aug-2022 19:56:34 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 28 Worklist Smp#: 31
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

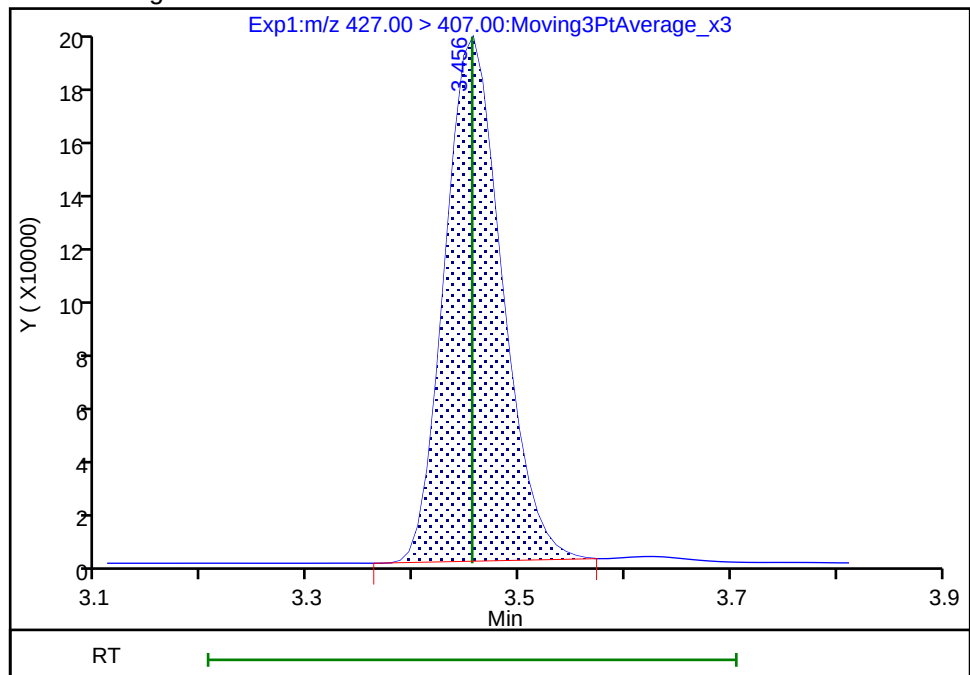
RT: 3.46
Area: 734862
Amount: 2.373718
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 725223
Amount: 2.342362
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:41:05
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

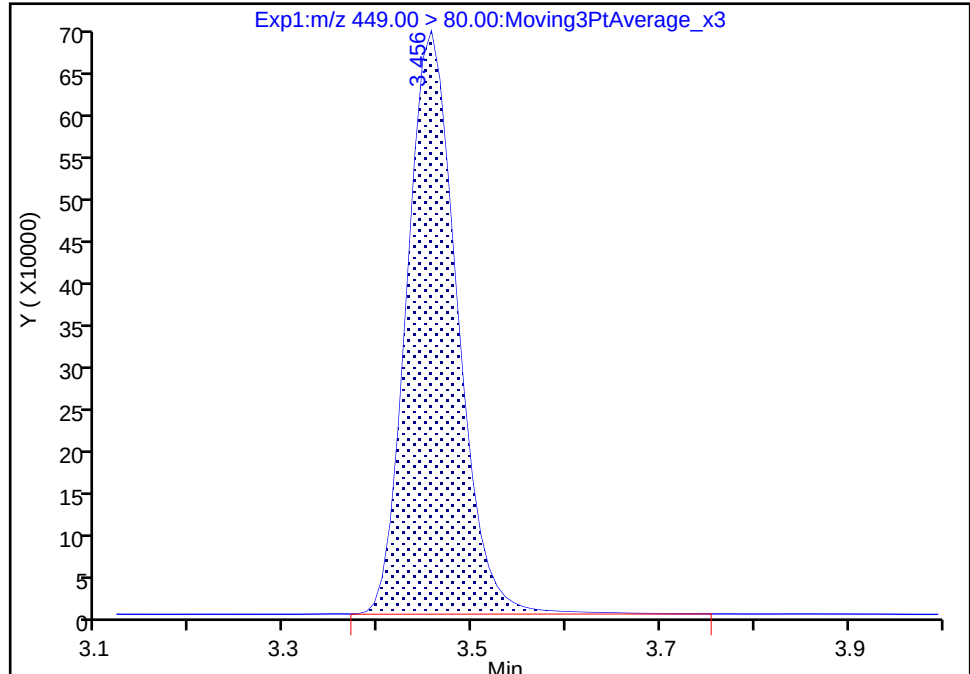
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A31.d
Injection Date: 09-Aug-2022 19:56:34 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 28 Worklist Smp#: 31
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

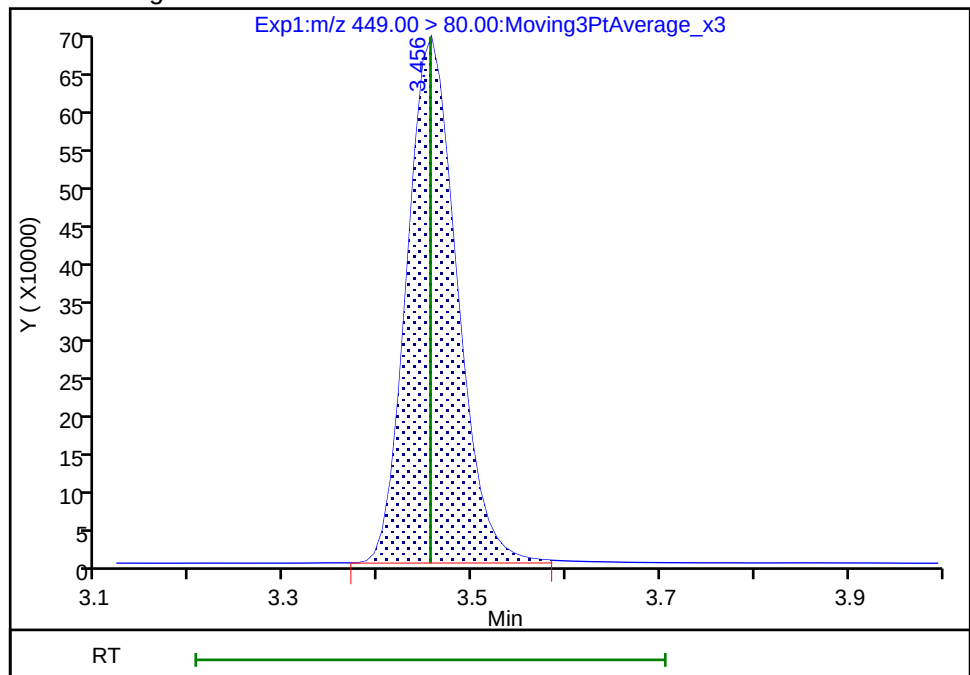
RT: 3.46
Area: 2583784
Amount: 2.229038
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 2572757
Amount: 2.219525
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:48:40

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

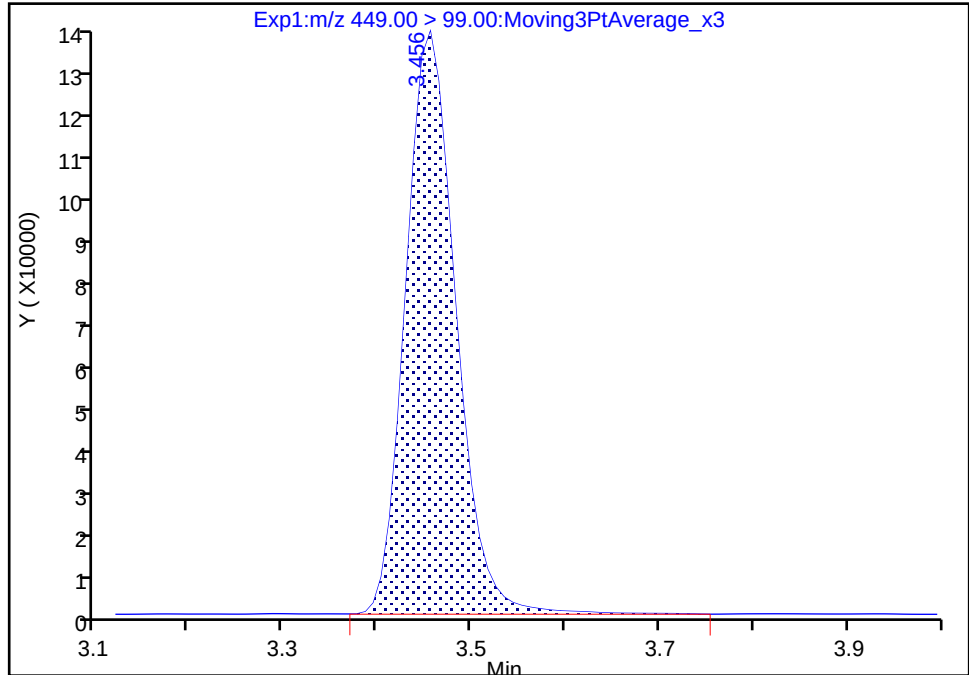
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A31.d
Injection Date: 09-Aug-2022 19:56:34 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 28 Worklist Smp#: 31
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

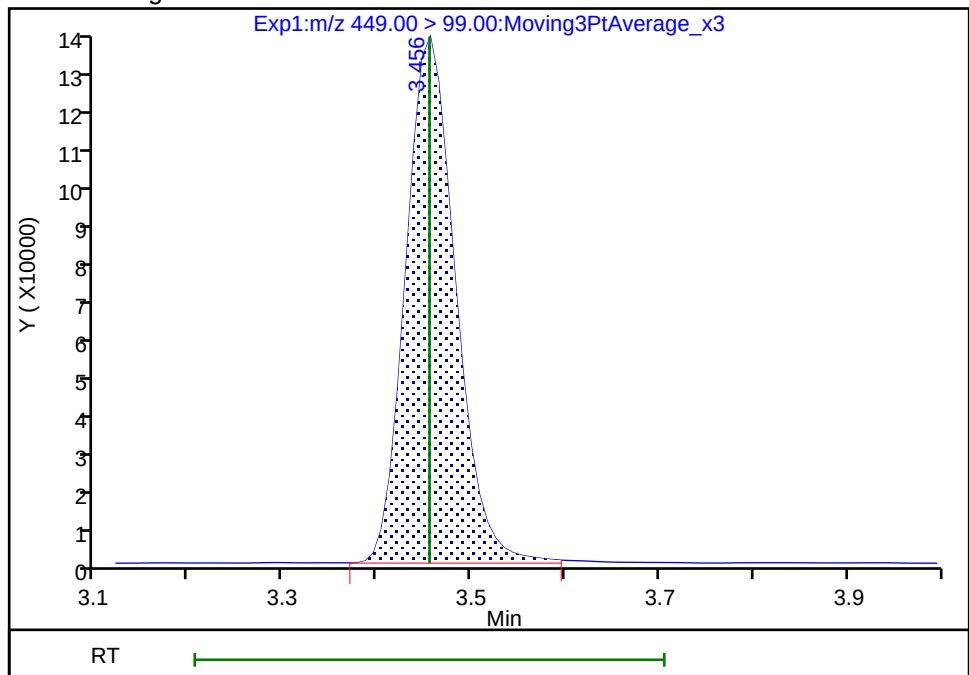
RT: 3.46
Area: 518513
Amount: 2.229038
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 515847
Amount: 2.219525
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:48:43

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

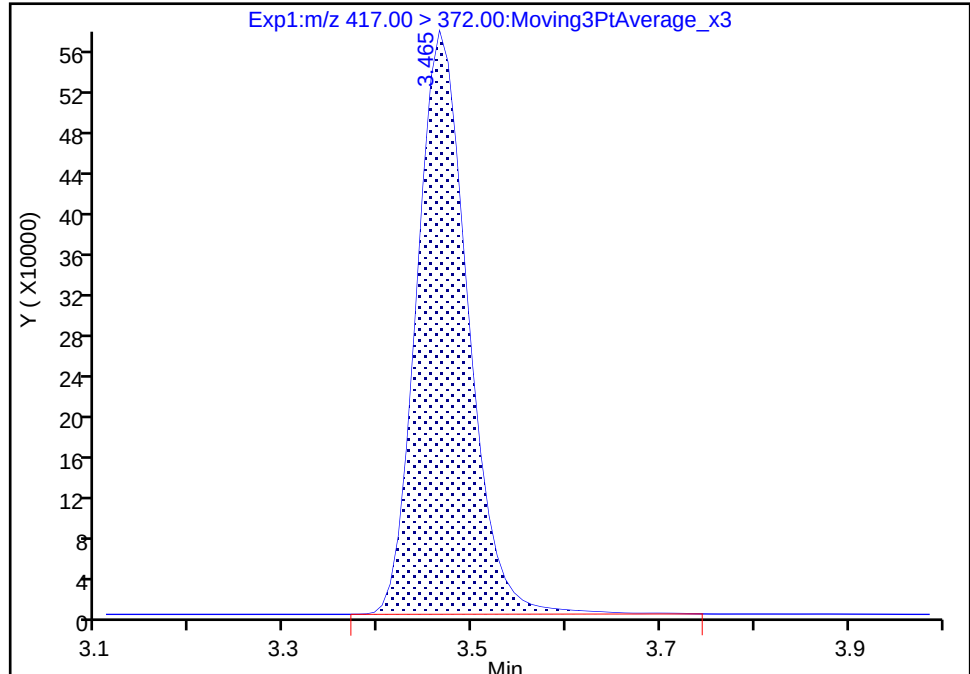
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A31.d
Injection Date: 09-Aug-2022 19:56:34 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 28 Worklist Smp#: 31
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 14 13C4 PFOA, CAS: STL00990

Signal: 1

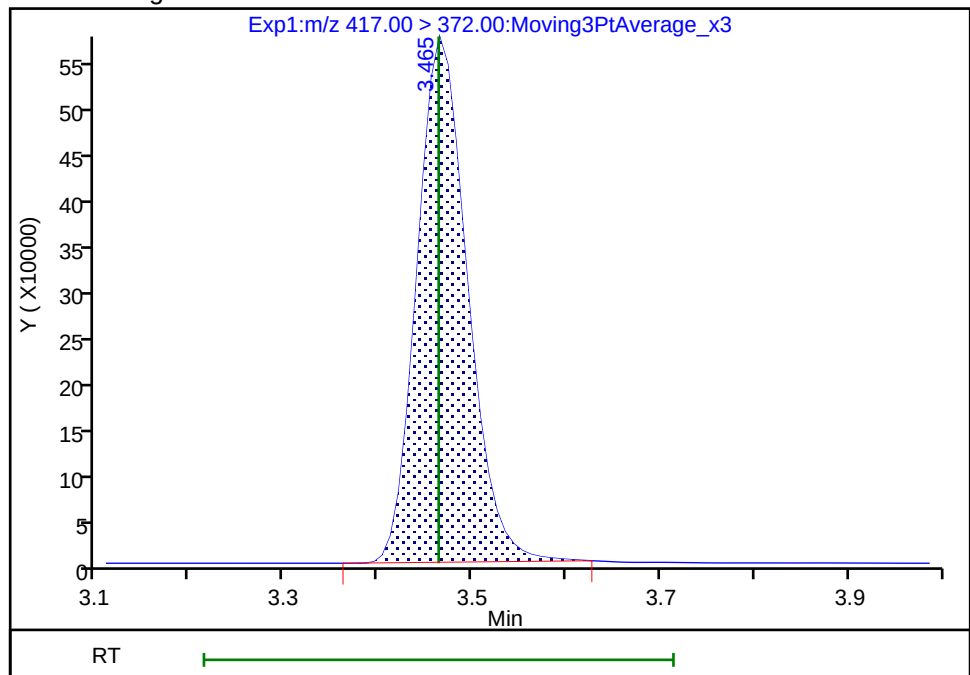
RT: 3.46
Area: 2147376
Amount: 1.235365
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 2122710
Amount: 1.221175
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:41:12
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

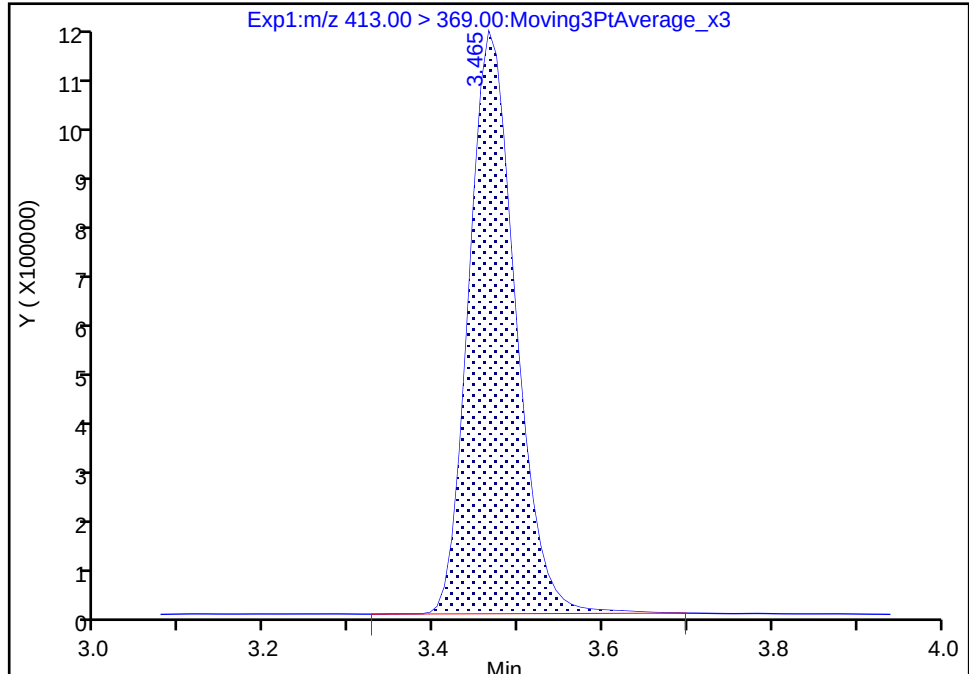
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A31.d
Injection Date: 09-Aug-2022 19:56:34 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 28 Worklist Smp#: 31
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

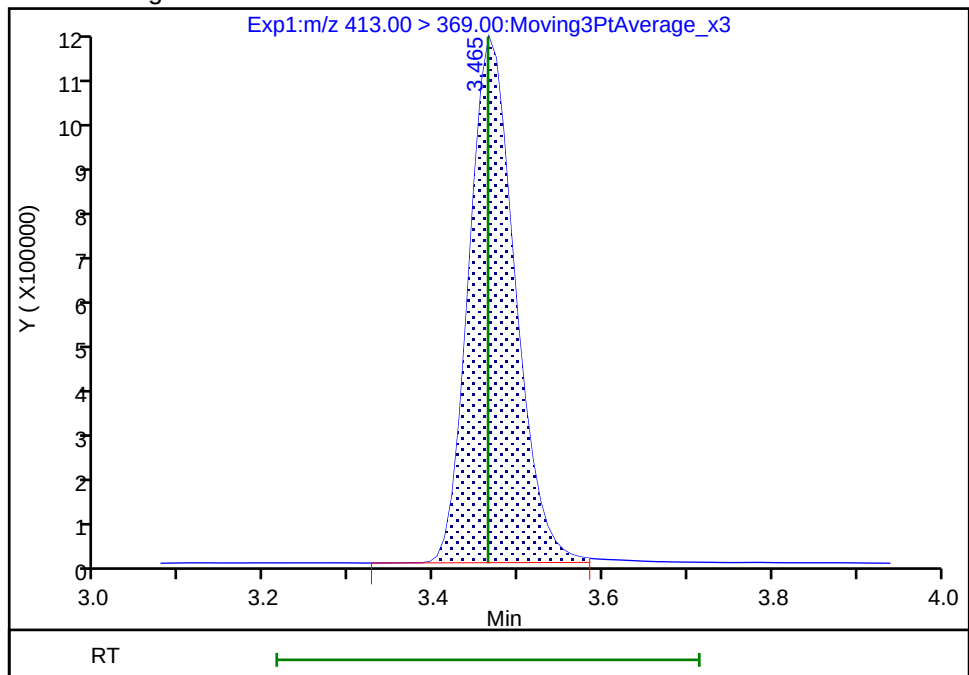
RT: 3.46
Area: 4382055
Amount: 2.274677
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 4359027
Amount: 2.289017
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:48:52

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

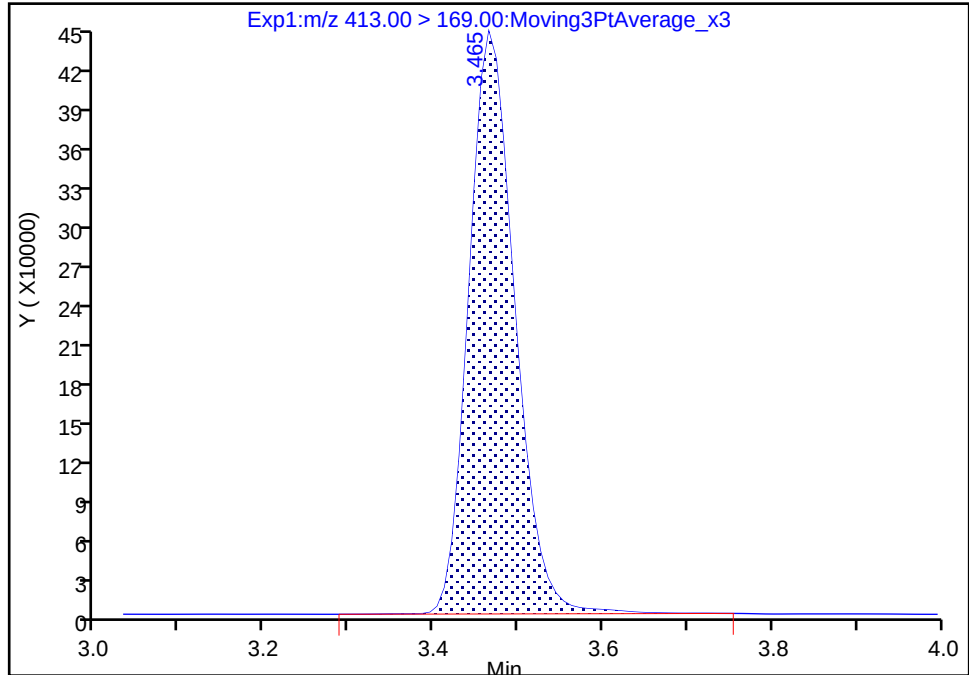
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A31.d
Injection Date: 09-Aug-2022 19:56:34 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 28 Worklist Smp#: 31
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

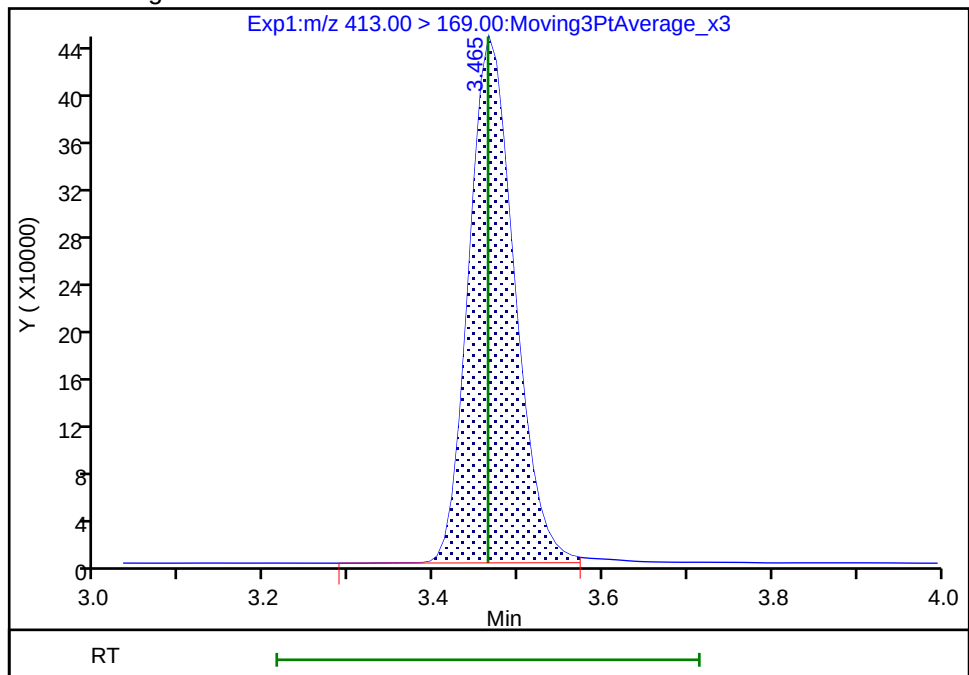
RT: 3.46
Area: 1676861
Amount: 2.274677
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 1663888
Amount: 2.289017
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:48:59

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

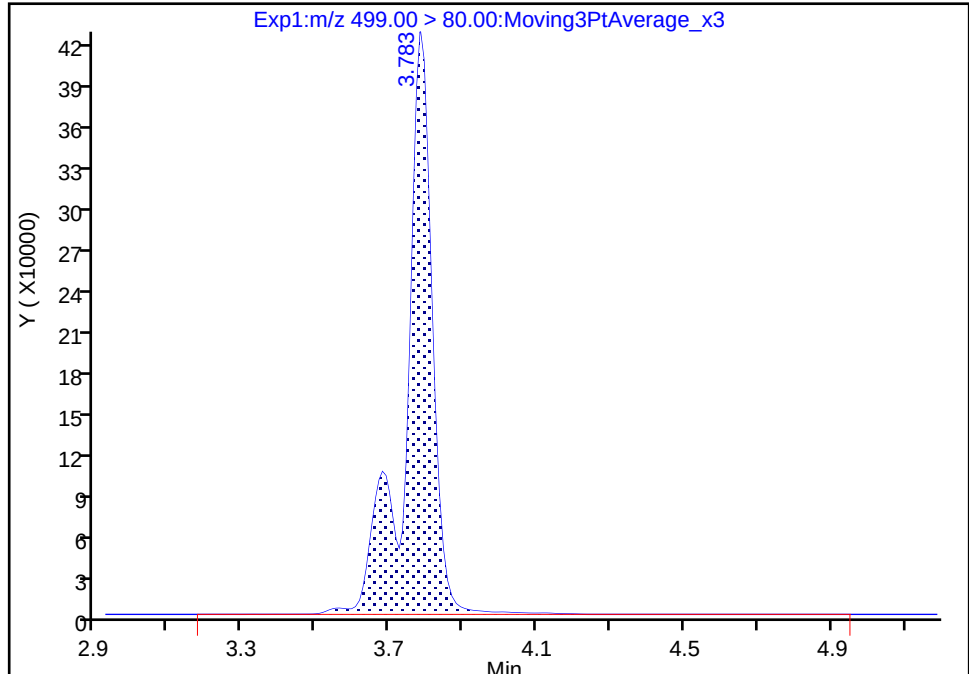
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A31.d
Injection Date: 09-Aug-2022 19:56:34 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 28 Worklist Smp#: 31
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

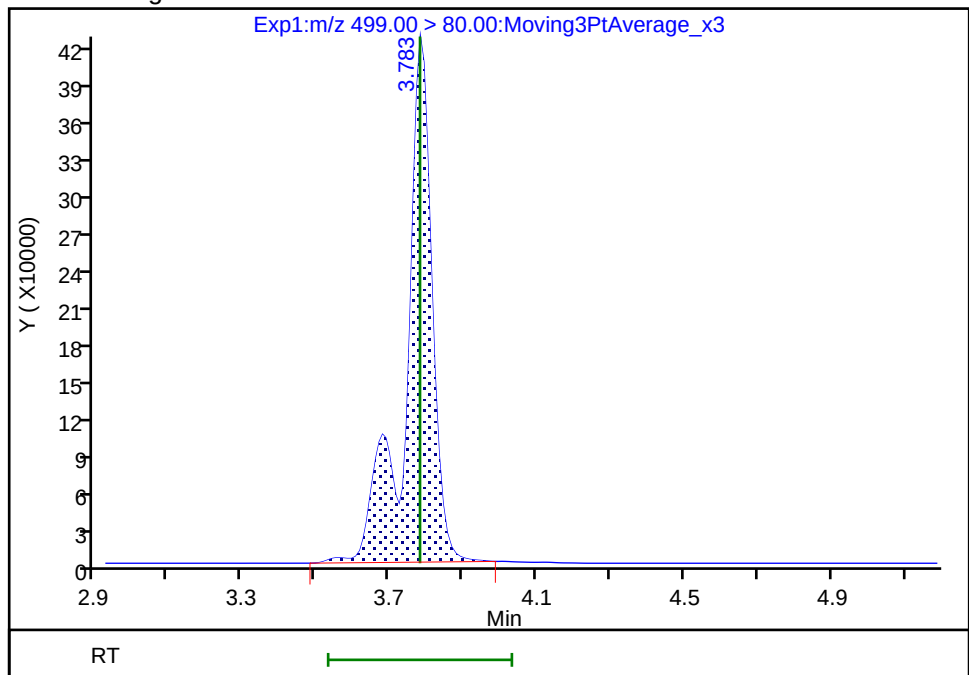
RT: 3.78
Area: 2125841
Amount: 2.259850
Amount Units: ng/ml

Processing Integration Results



RT: 3.78
Area: 2091380
Amount: 2.222917
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:49:06

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

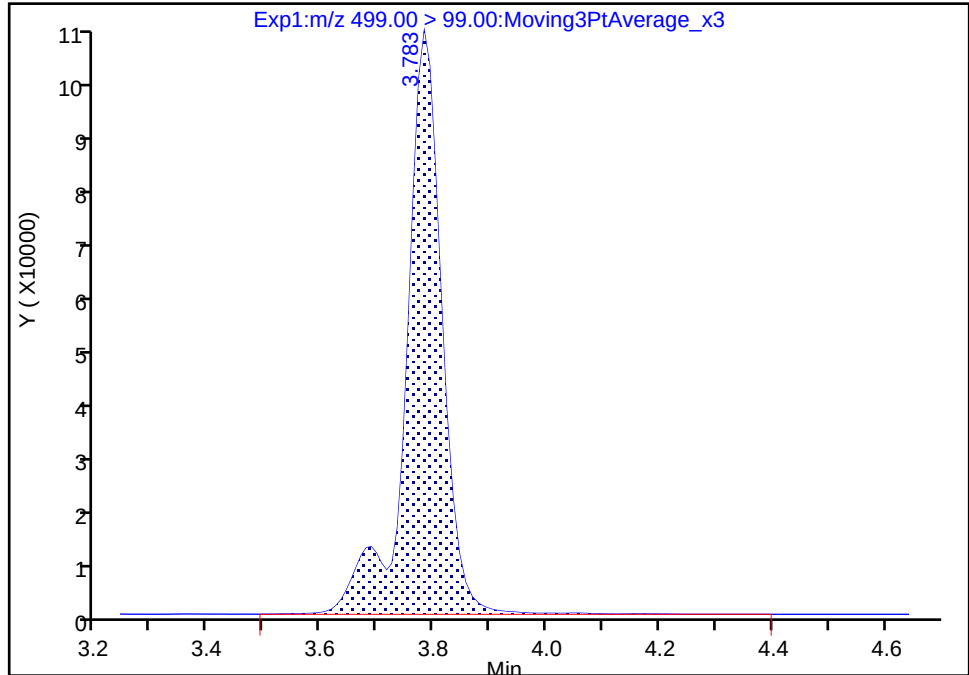
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A31.d
Injection Date: 09-Aug-2022 19:56:34 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 28 Worklist Smp#: 31
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

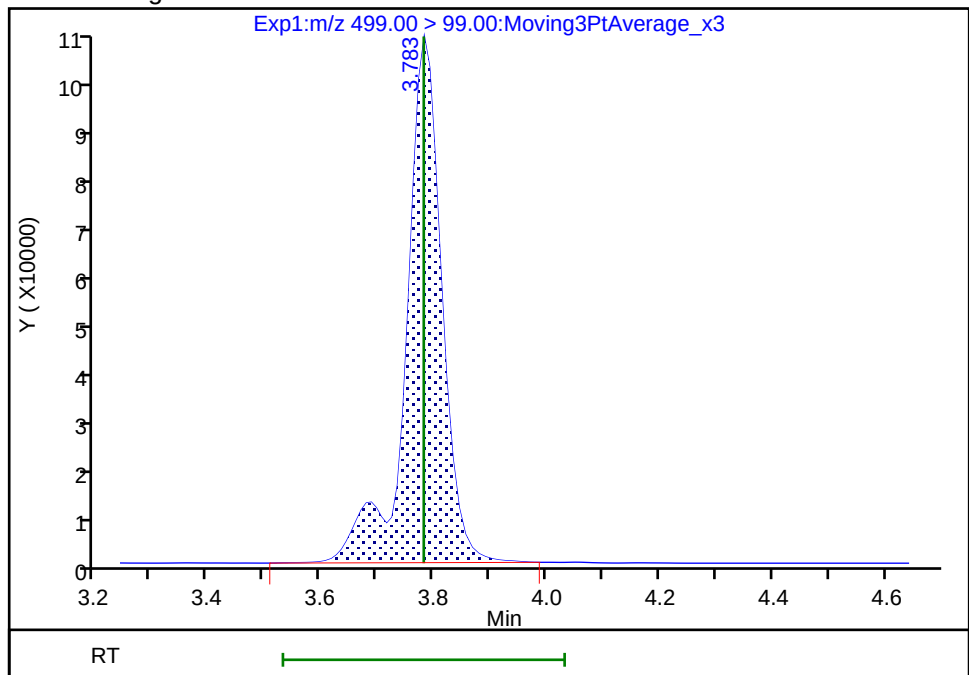
RT: 3.78
Area: 455771
Amount: 2.259850
Amount Units: ng/ml

Processing Integration Results



RT: 3.78
Area: 451727
Amount: 2.222917
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:49:14

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

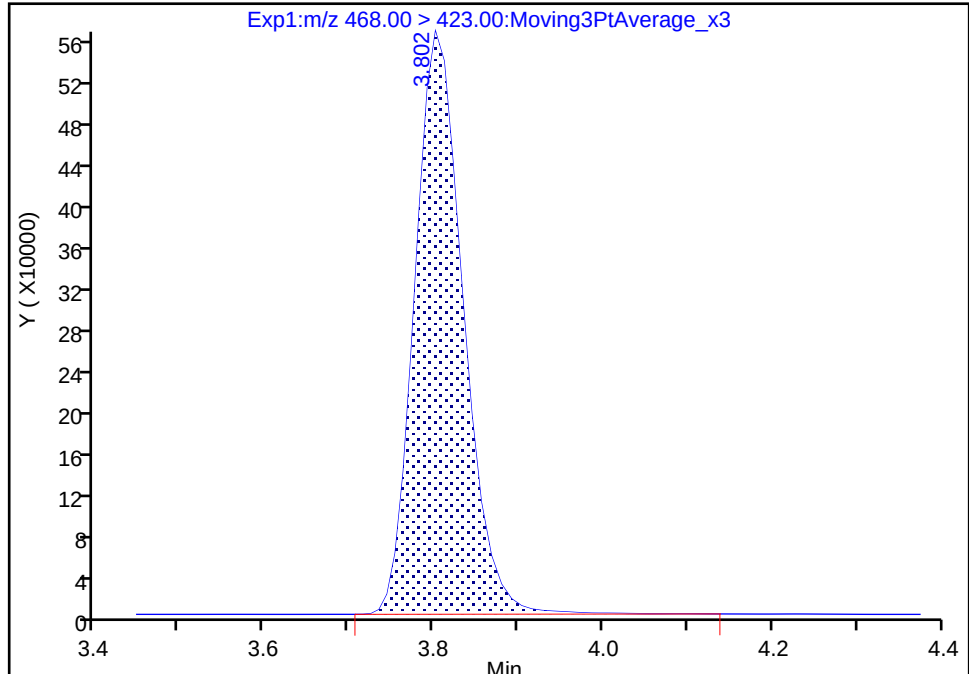
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A31.d
Injection Date: 09-Aug-2022 19:56:34 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 28 Worklist Smp#: 31
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 19 13C5 PFNA, CAS: STL00995

Signal: 1

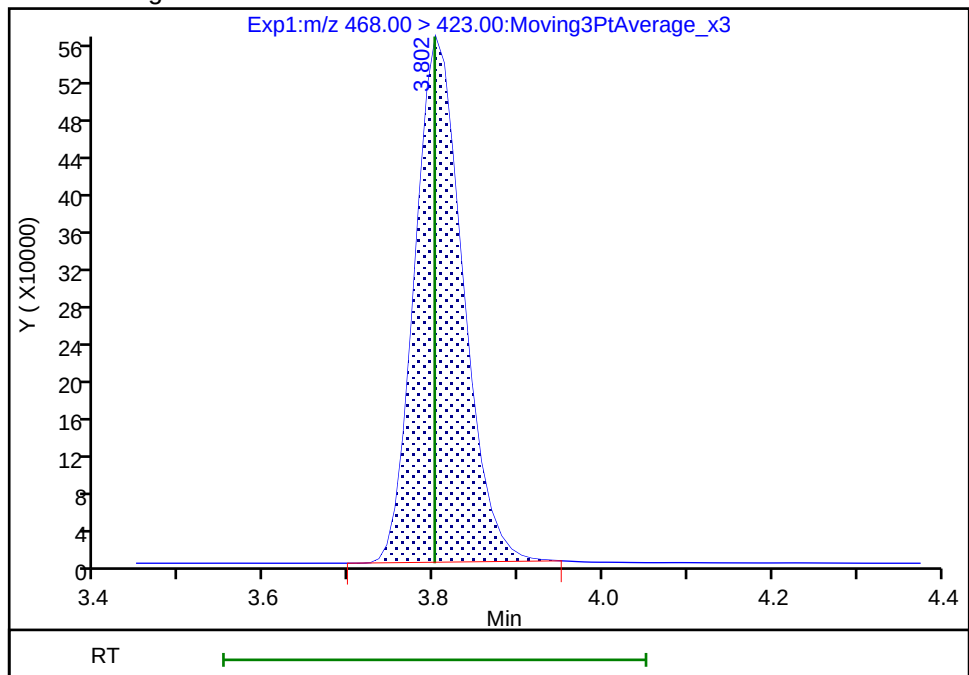
RT: 3.80
Area: 2255914
Amount: 1.250080
Amount Units: ng/ml

Processing Integration Results



RT: 3.80
Area: 2231126
Amount: 1.236344
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:41:23
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

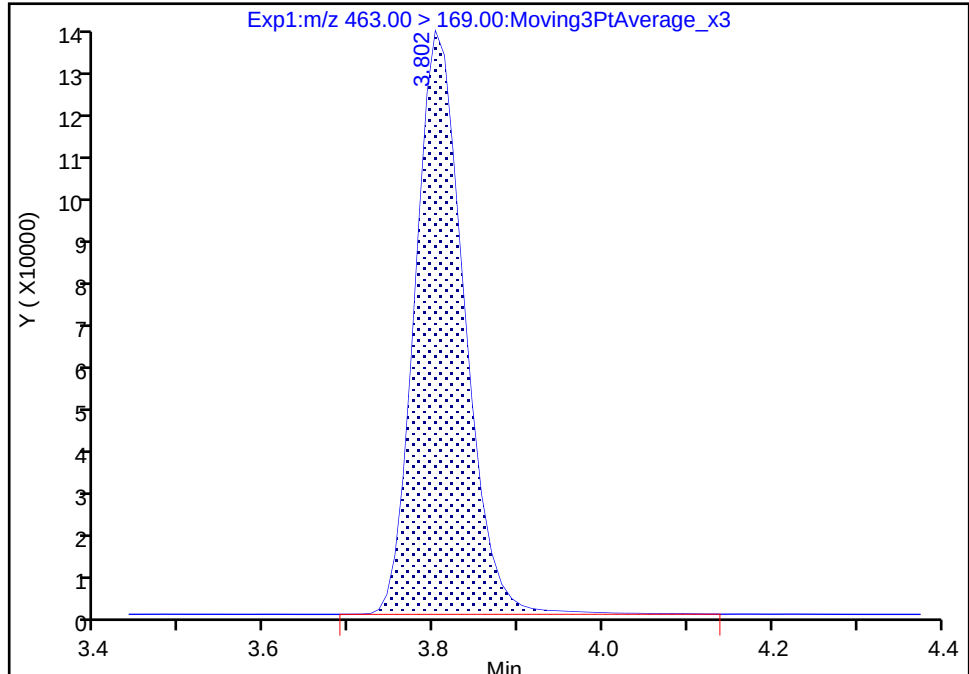
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A31.d
Injection Date: 09-Aug-2022 19:56:34 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 28 Worklist Smp#: 31
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

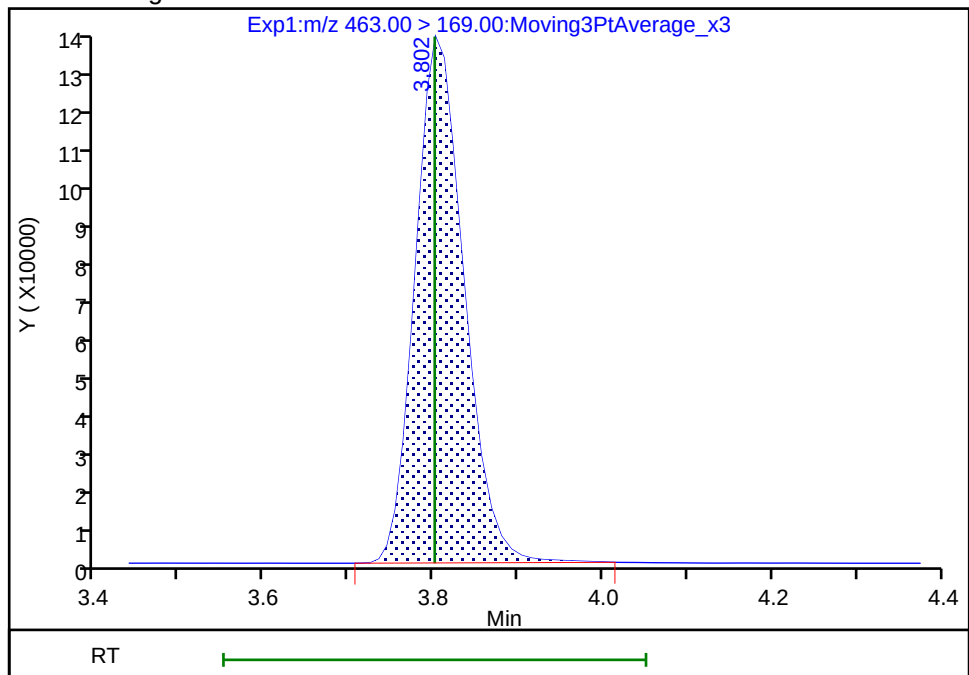
RT: 3.80
Area: 532583
Amount: 2.238225
Amount Units: ng/ml

Processing Integration Results



RT: 3.80
Area: 529910
Amount: 2.263092
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:49:21

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

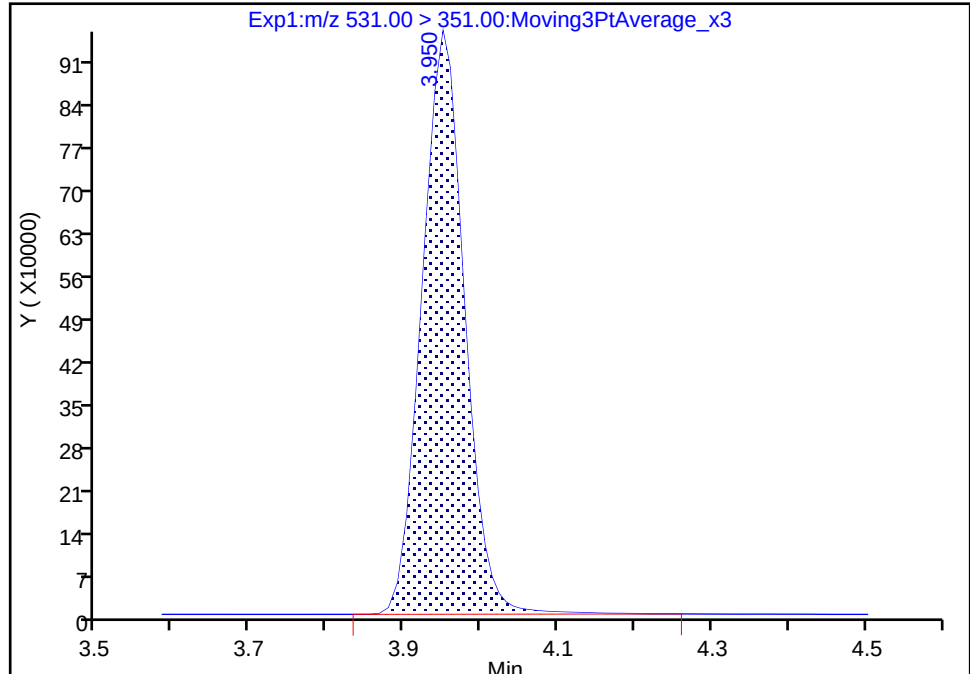
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A31.d
Injection Date: 09-Aug-2022 19:56:34 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 28 Worklist Smp#: 31
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

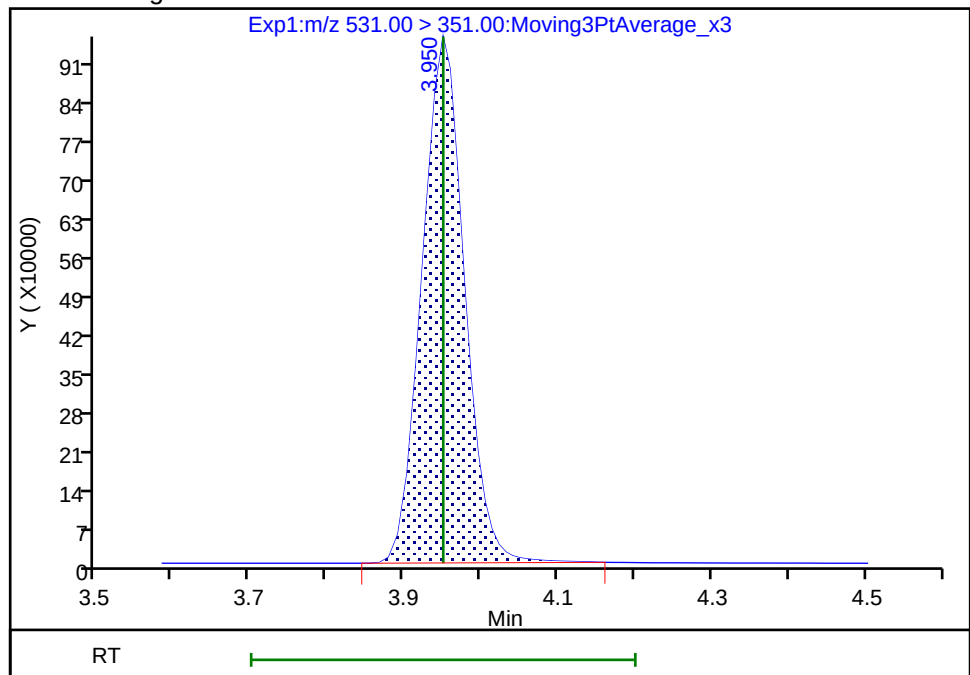
RT: 3.95
Area: 3673579
Amount: 2.217481
Amount Units: ng/ml

Processing Integration Results



RT: 3.95
Area: 3661148
Amount: 2.209978
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:49:26

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

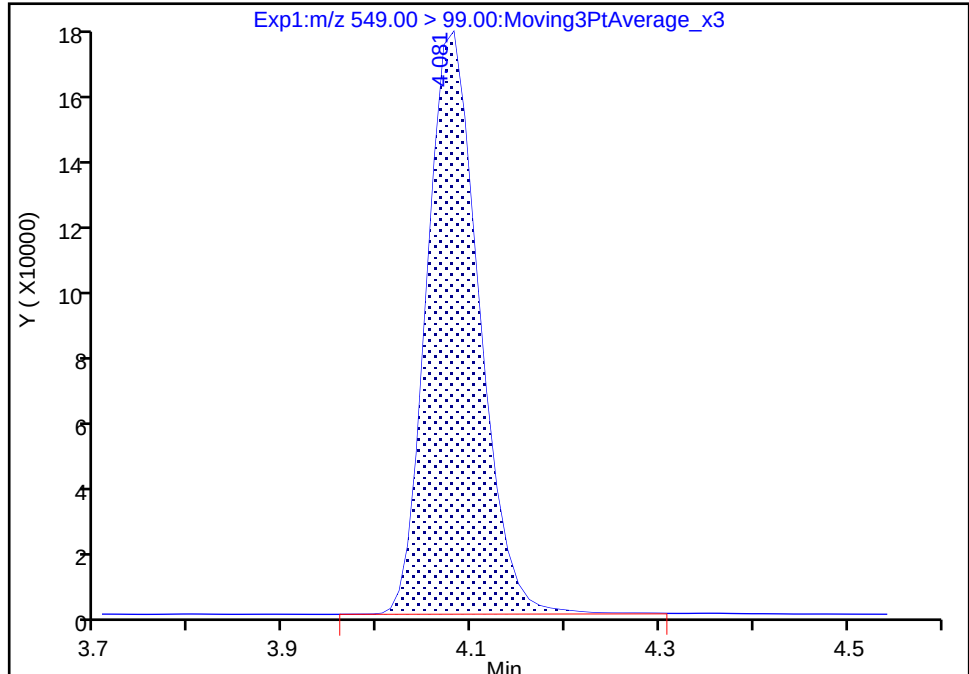
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A31.d
Injection Date: 09-Aug-2022 19:56:34 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 28 Worklist Smp#: 31
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 2

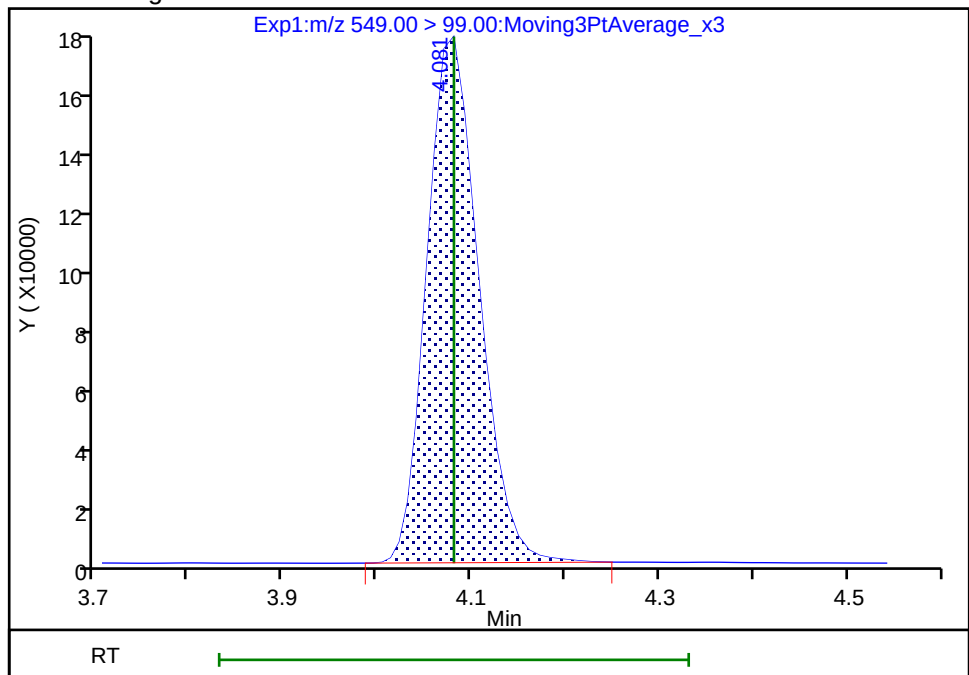
RT: 4.08
Area: 678635
Amount: 2.286198
Amount Units: ng/ml

Processing Integration Results



RT: 4.08
Area: 675839
Amount: 2.273105
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:49:33

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

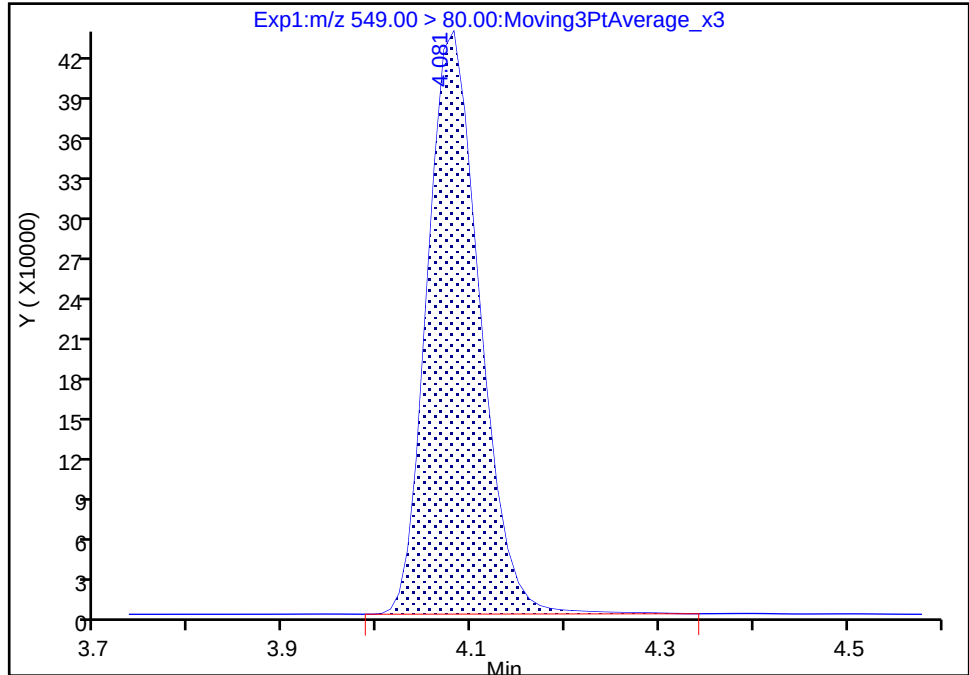
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A31.d
Injection Date: 09-Aug-2022 19:56:34 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 28 Worklist Smp#: 31
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 1

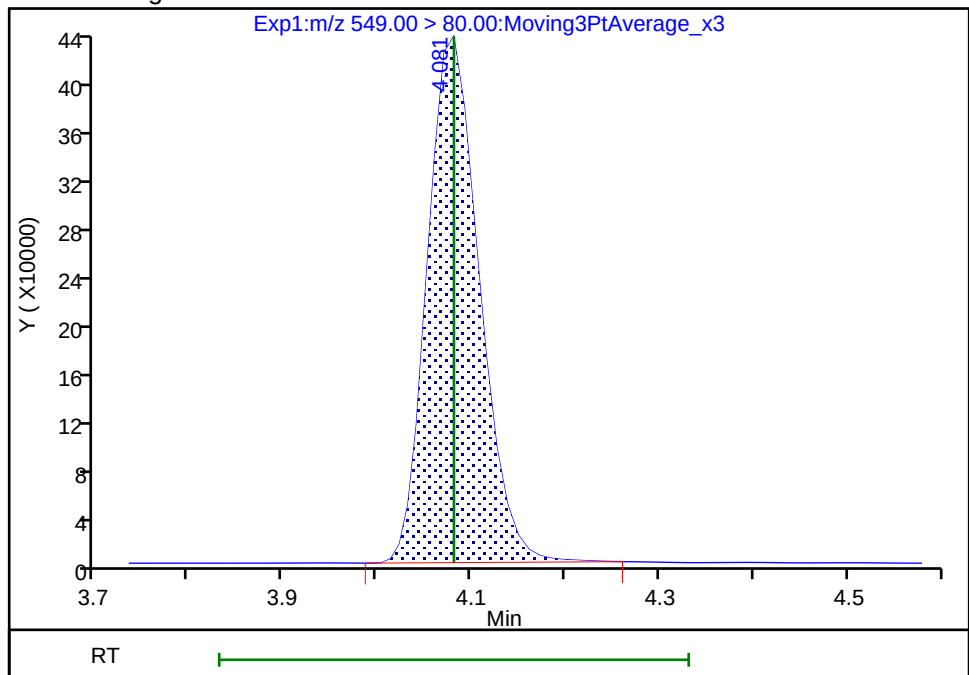
RT: 4.08
Area: 1678717
Amount: 2.286198
Amount Units: ng/ml

Processing Integration Results



RT: 4.08
Area: 1669103
Amount: 2.273105
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:49:36

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

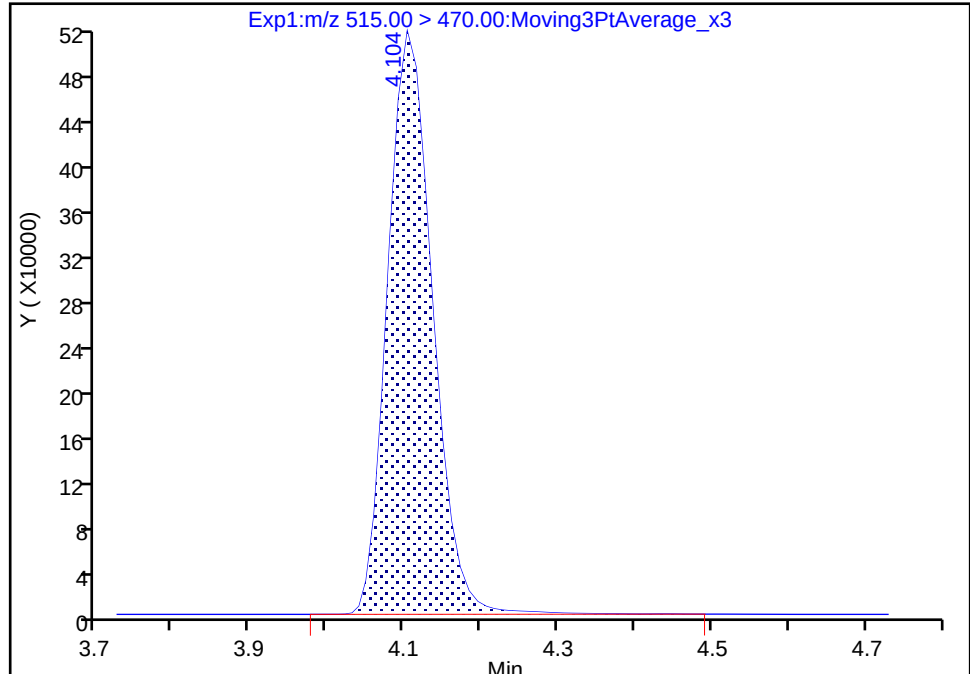
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A31.d
Injection Date: 09-Aug-2022 19:56:34 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 28 Worklist Smp#: 31
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 23 13C2 PFDA, CAS: STL00996

Signal: 1

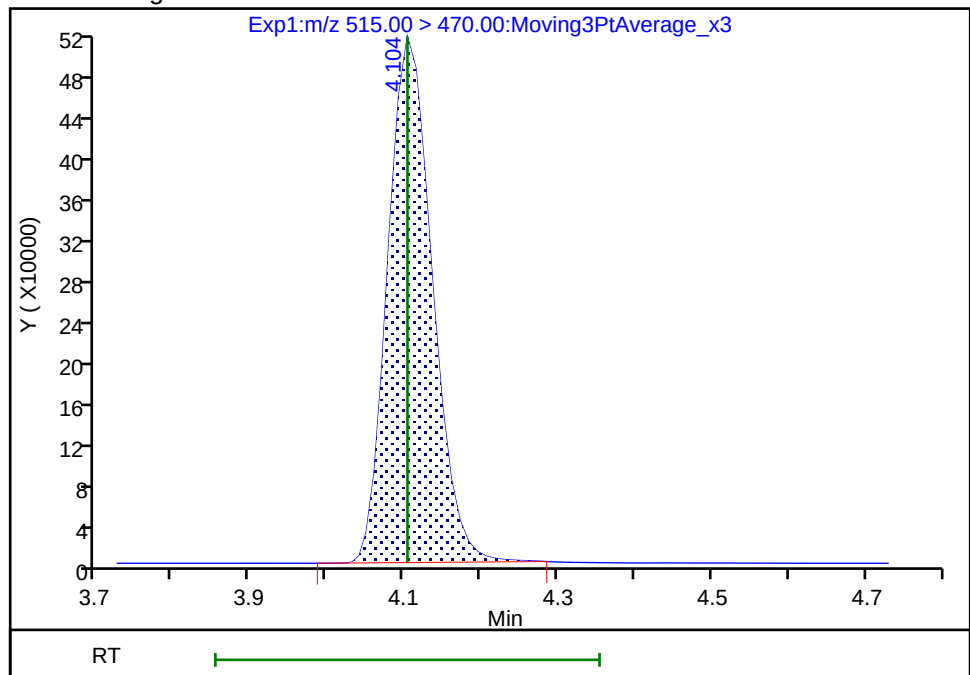
RT: 4.10
Area: 2087076
Amount: 1.188327
Amount Units: ng/ml

Processing Integration Results



RT: 4.10
Area: 2068823
Amount: 1.177934
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:41:31

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

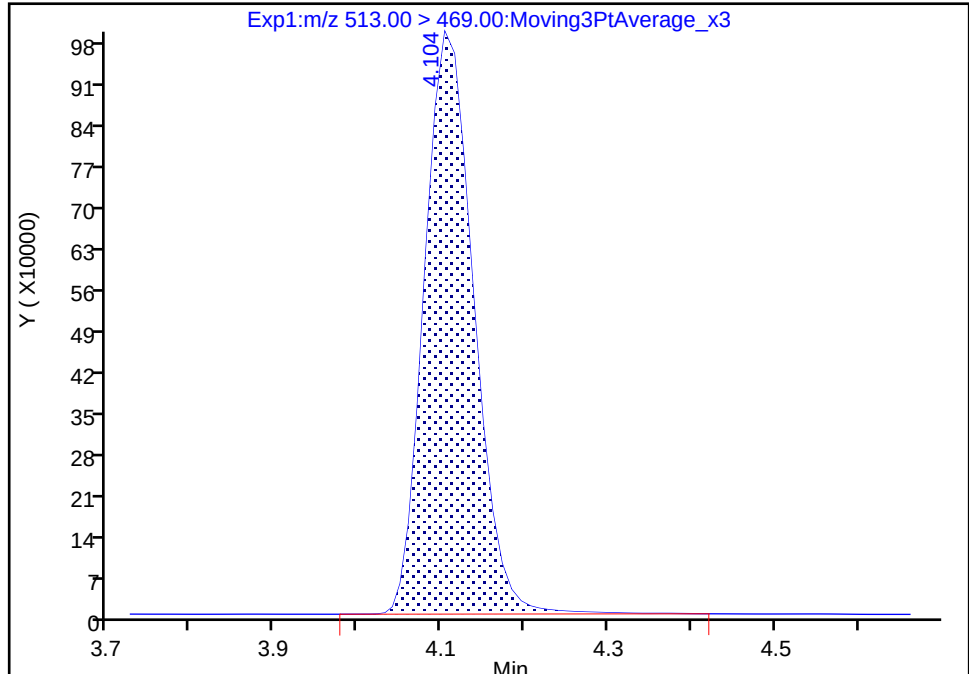
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A31.d
Injection Date: 09-Aug-2022 19:56:34 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 28 Worklist Smp#: 31
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

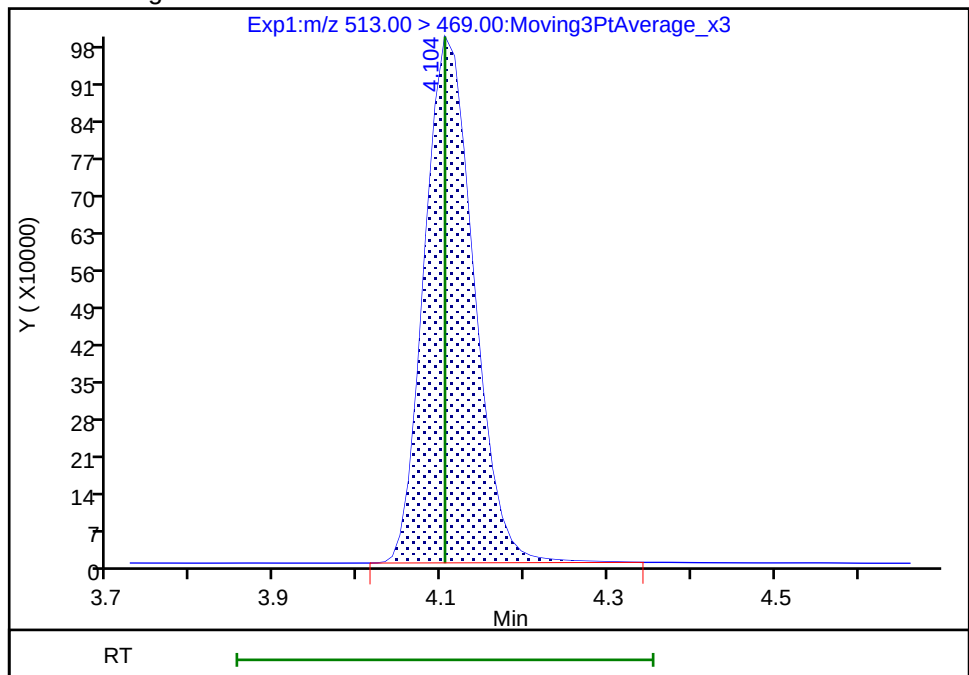
RT: 4.10
Area: 4066557
Amount: 2.315834
Amount Units: ng/ml

Processing Integration Results



RT: 4.10
Area: 4056499
Amount: 2.330488
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:49:41

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

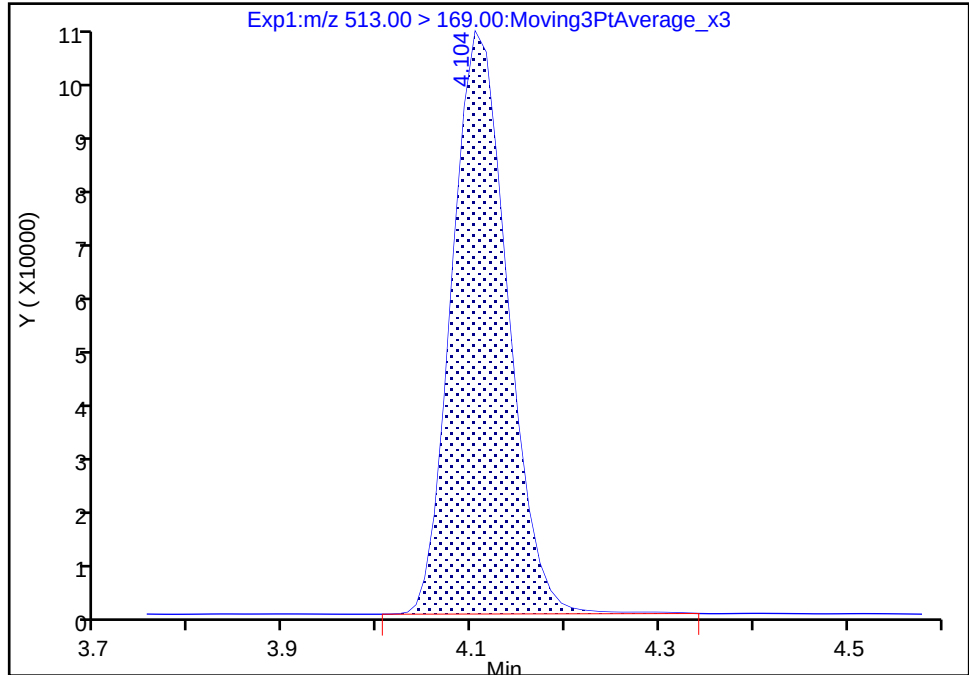
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A31.d
Injection Date: 09-Aug-2022 19:56:34 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 28 Worklist Smp#: 31
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

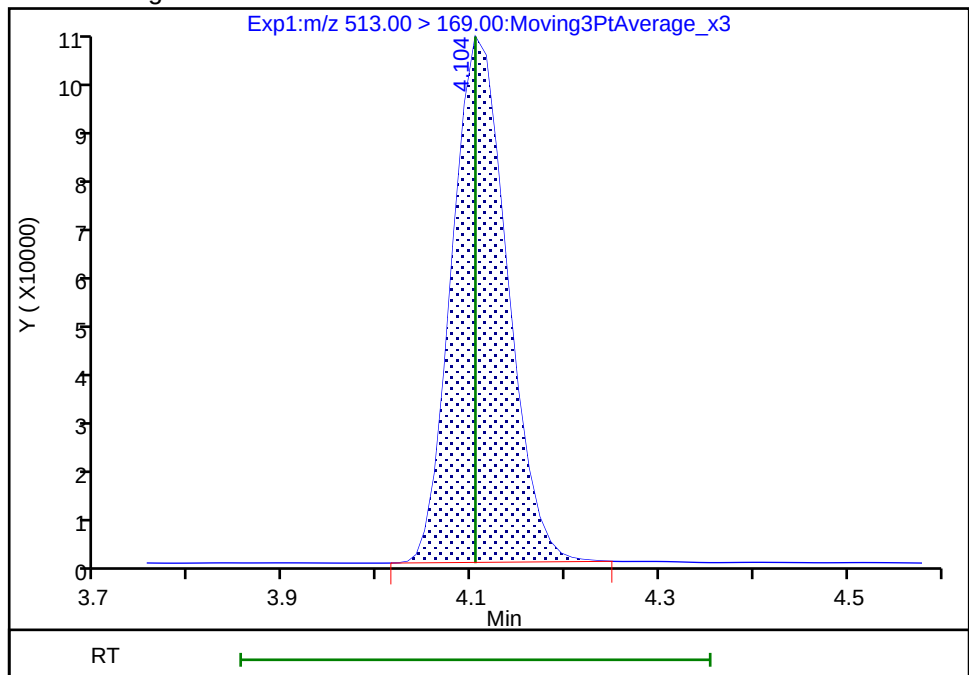
RT: 4.10
Area: 434361
Amount: 2.315834
Amount Units: ng/ml

Processing Integration Results



RT: 4.10
Area: 431445
Amount: 2.330488
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:49:46

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

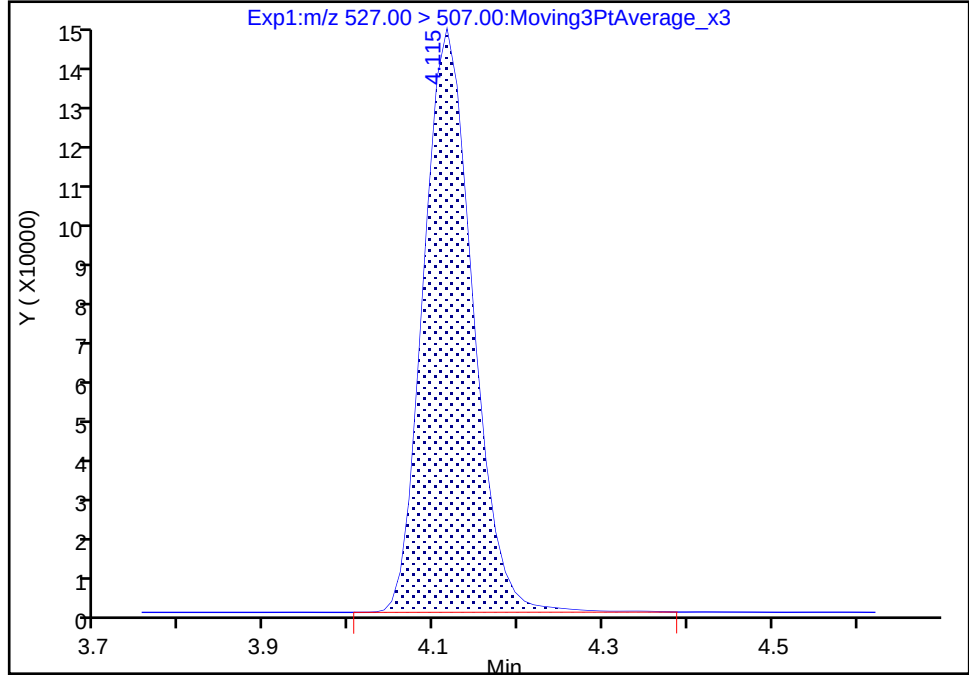
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A31.d
Injection Date: 09-Aug-2022 19:56:34 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 28 Worklist Smp#: 31
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

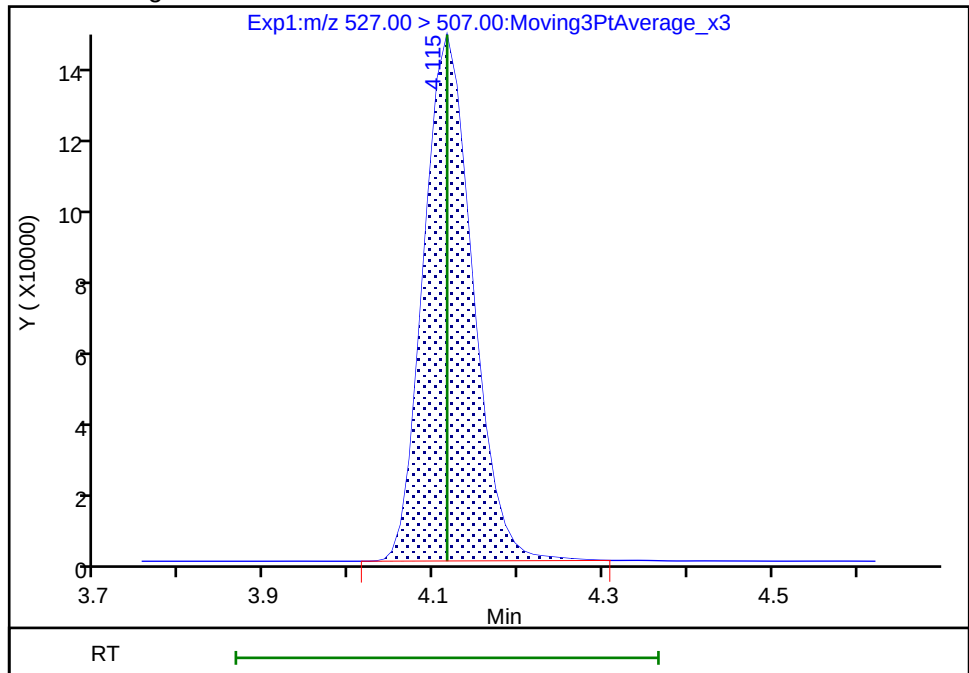
RT: 4.12
Area: 601047
Amount: 2.383821
Amount Units: ng/ml

Processing Integration Results



RT: 4.12
Area: 598951
Amount: 2.375508
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:49:51

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

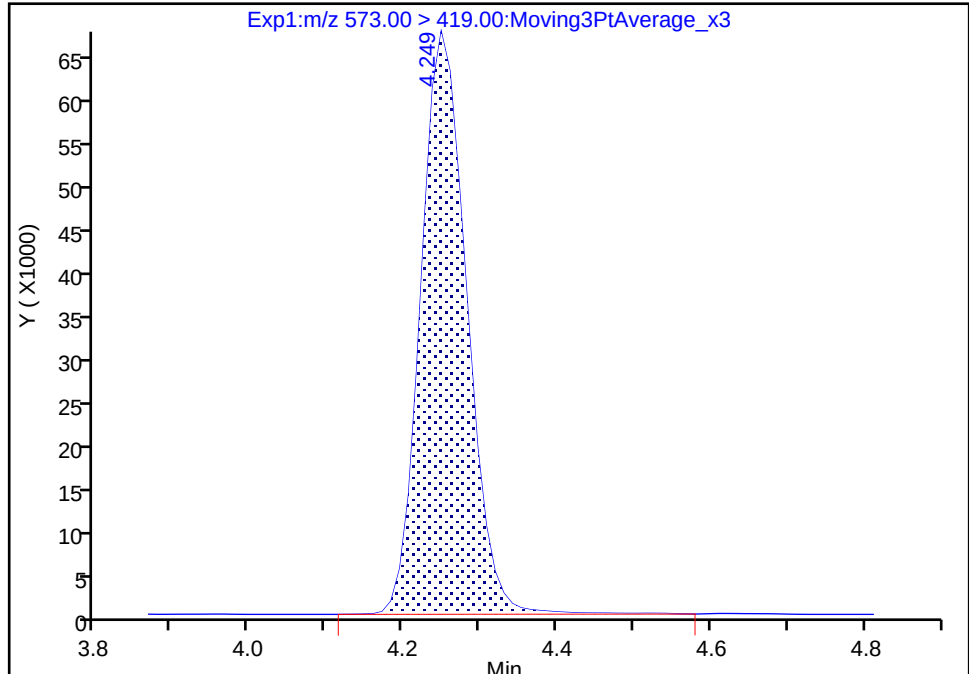
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A31.d
Injection Date: 09-Aug-2022 19:56:34 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 28 Worklist Smp#: 31
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

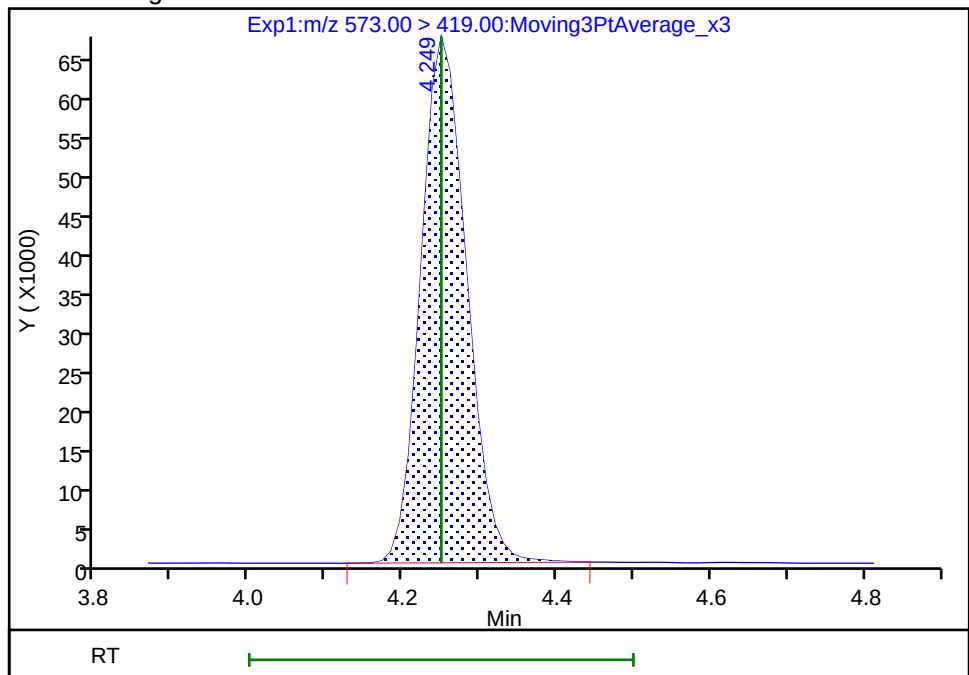
RT: 4.25
Area: 277735
Amount: 1.179835
Amount Units: ng/ml

Processing Integration Results



RT: 4.25
Area: 275955
Amount: 1.172273
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:47:03

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

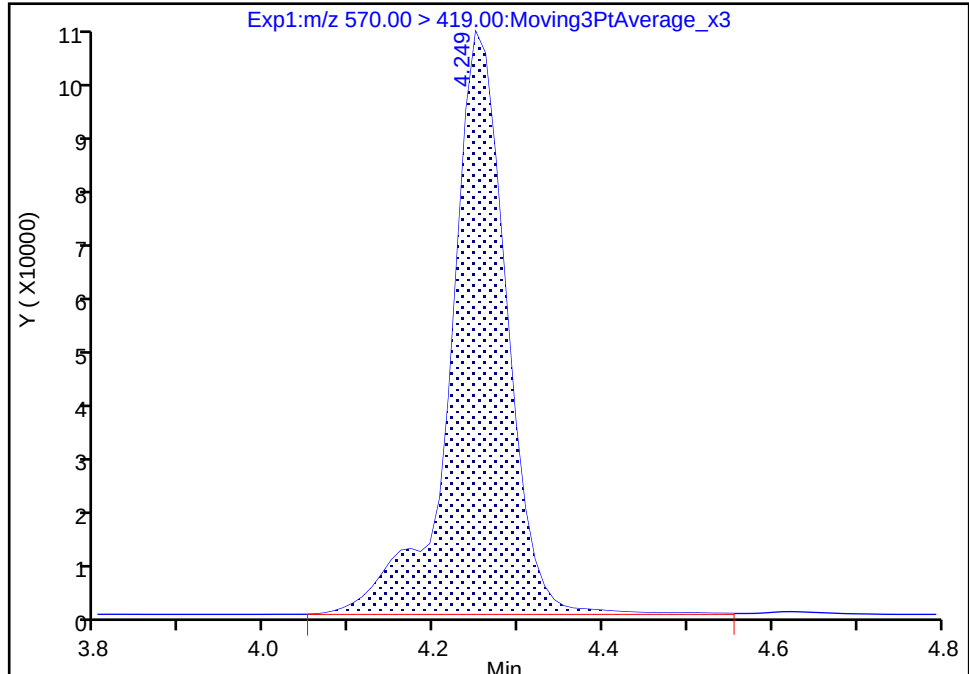
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A31.d
Injection Date: 09-Aug-2022 19:56:34 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 28 Worklist Smp#: 31
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

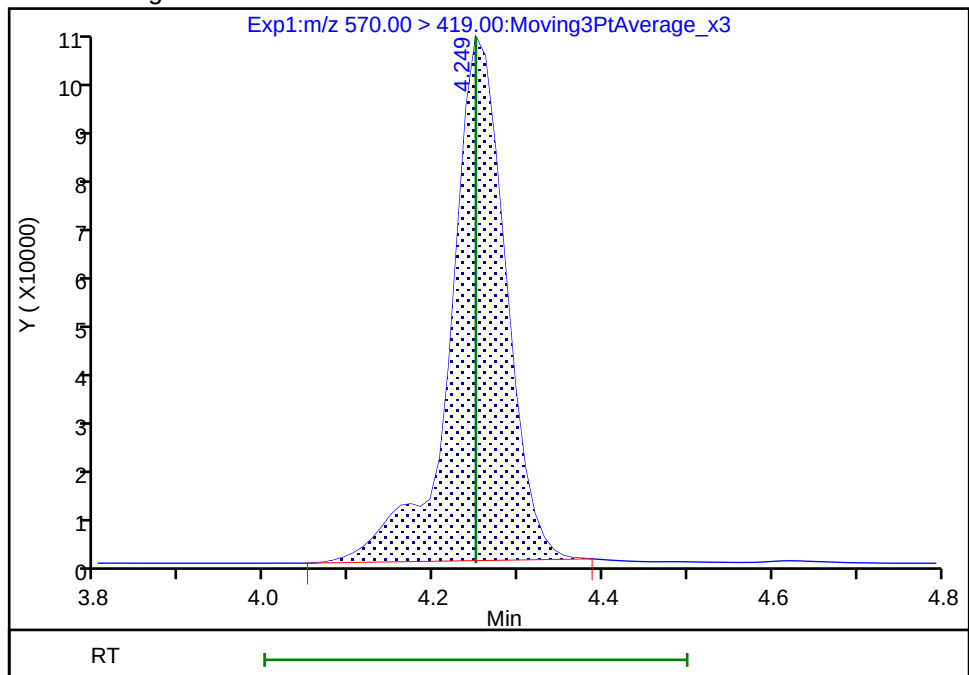
RT: 4.25
Area: 478914
Amount: 2.442654
Amount Units: ng/ml

Processing Integration Results



RT: 4.25
Area: 466553
Amount: 2.379608
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:42:15
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

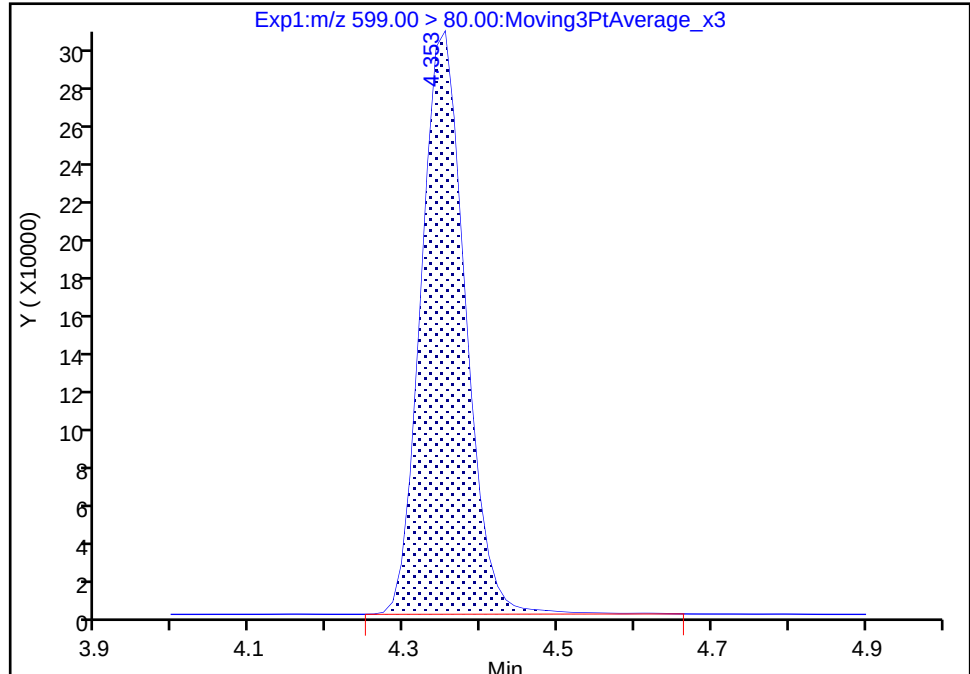
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A31.d
Injection Date: 09-Aug-2022 19:56:34 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 28 Worklist Smp#: 31
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

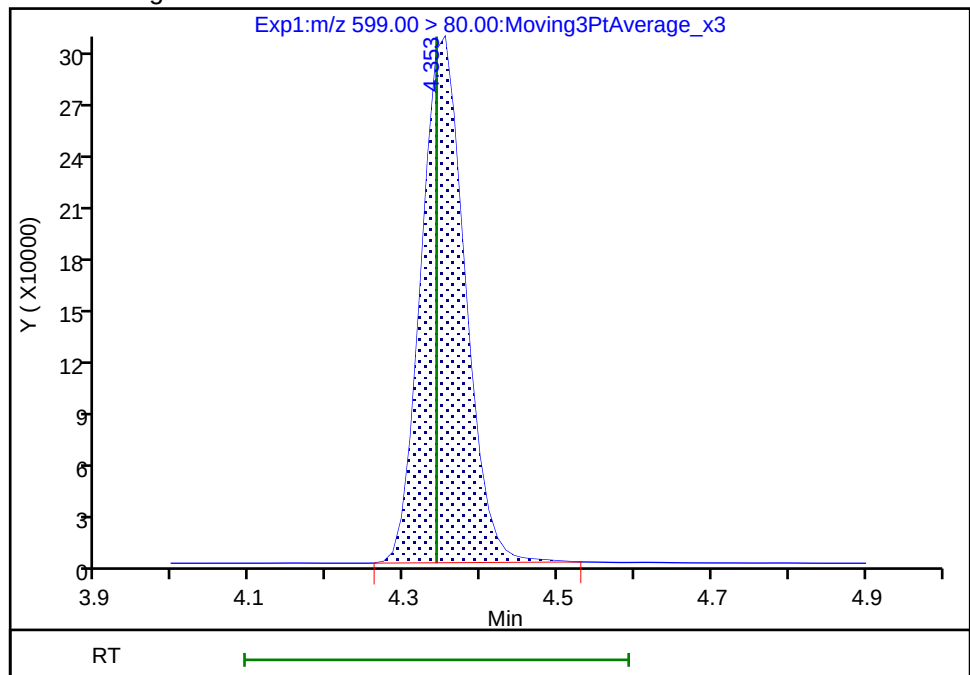
RT: 4.35
Area: 1225001
Amount: 2.241863
Amount Units: ng/ml

Processing Integration Results



RT: 4.35
Area: 1217624
Amount: 2.228362
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:50:06

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

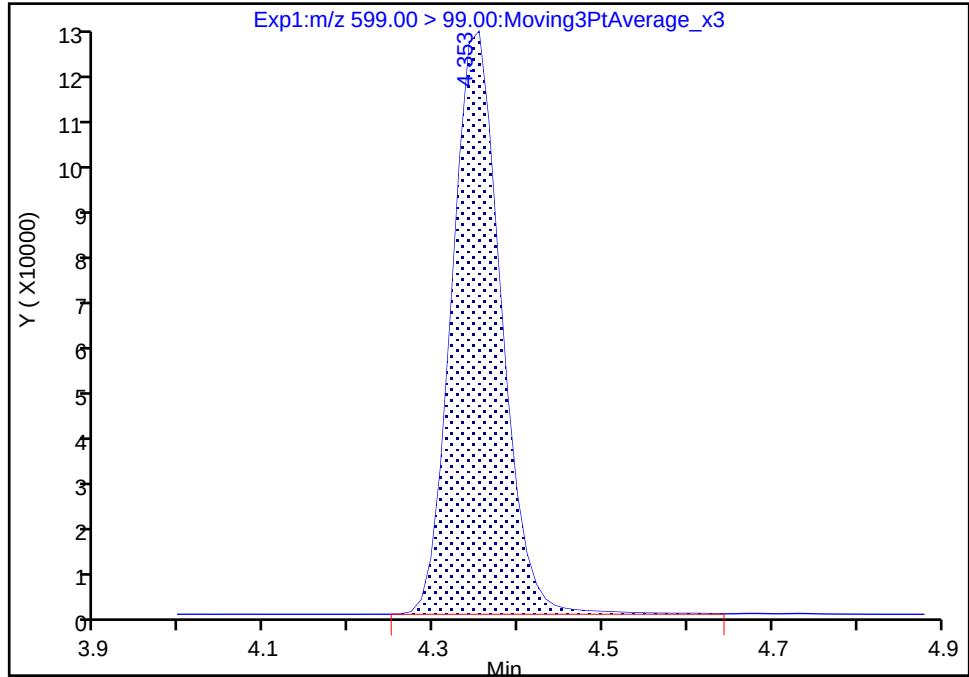
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A31.d
Injection Date: 09-Aug-2022 19:56:34 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 28 Worklist Smp#: 31
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

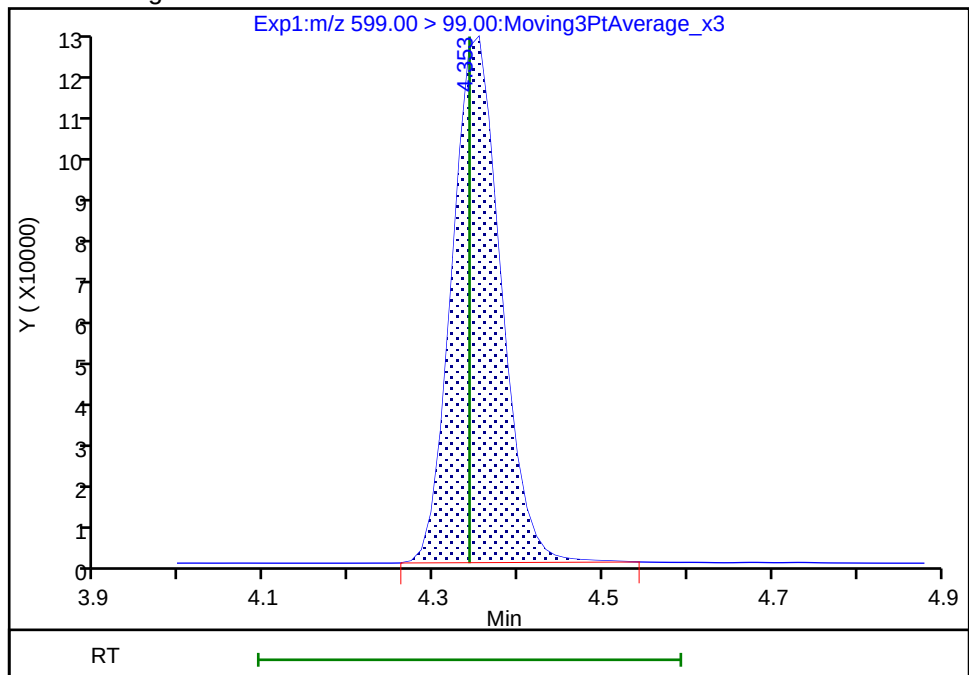
RT: 4.35
Area: 484988
Amount: 2.241863
Amount Units: ng/ml

Processing Integration Results



RT: 4.35
Area: 481460
Amount: 2.228362
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:50:11

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

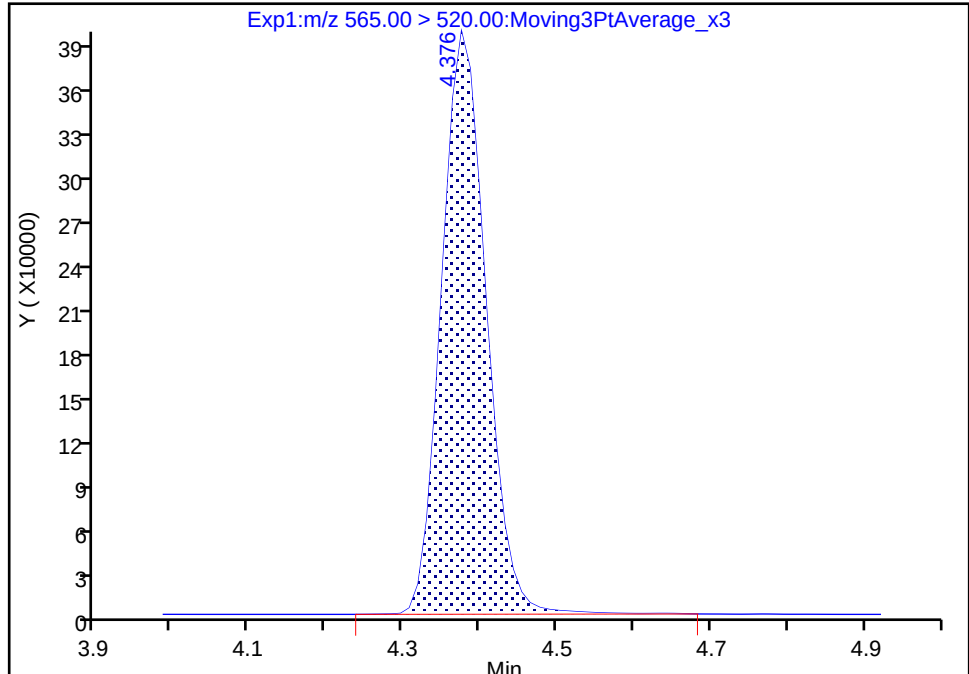
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A31.d
Injection Date: 09-Aug-2022 19:56:34 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 28 Worklist Smp#: 31
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

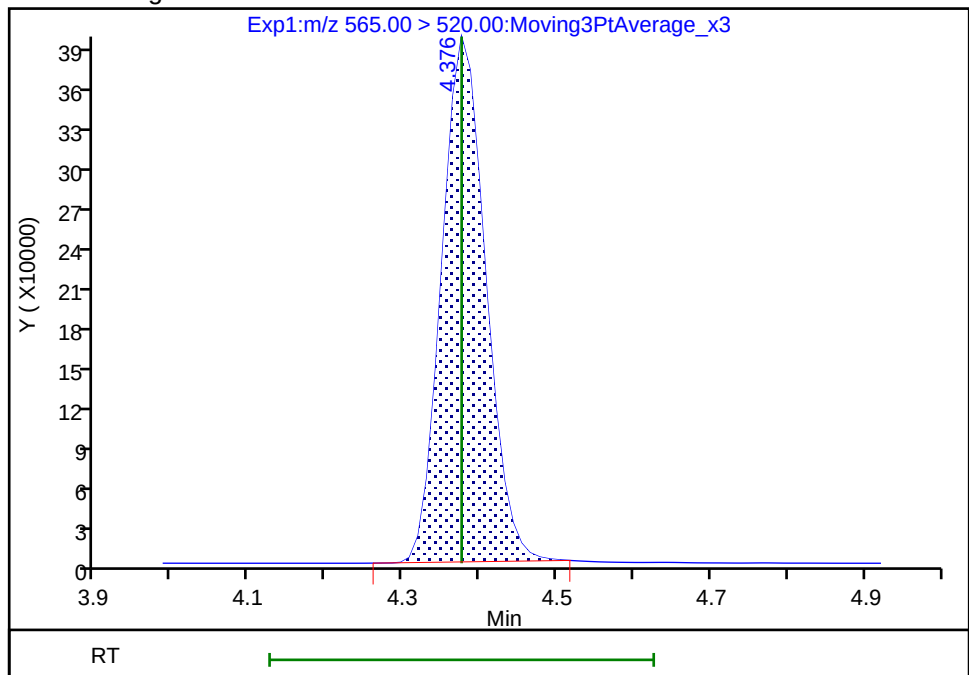
RT: 4.38
Area: 1592560
Amount: 1.196766
Amount Units: ng/ml

Processing Integration Results



RT: 4.38
Area: 1571117
Amount: 1.180652
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:42:22
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

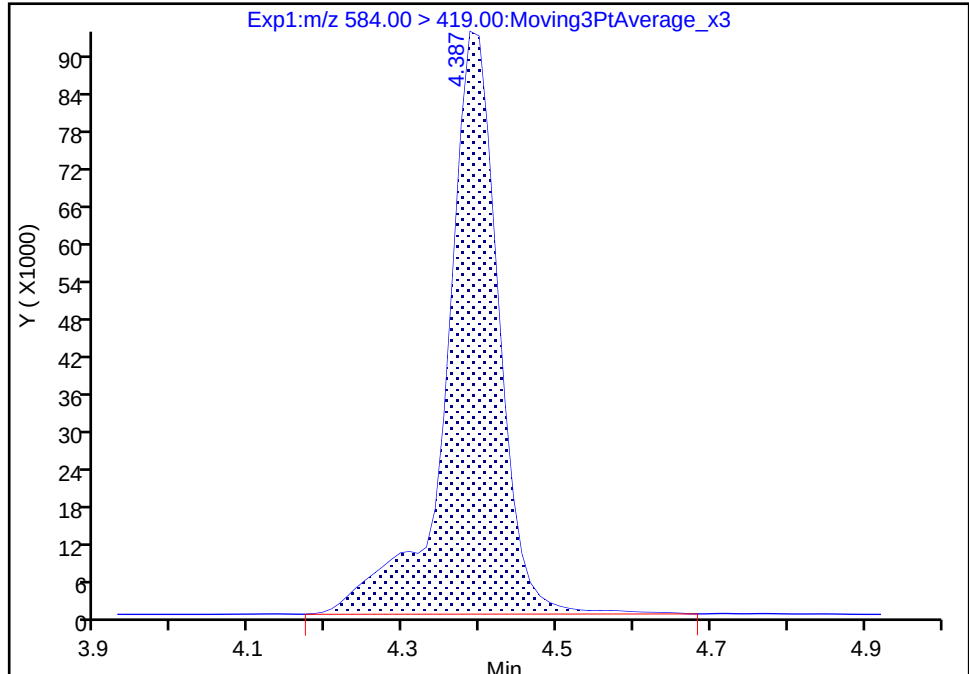
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A31.d
Injection Date: 09-Aug-2022 19:56:34 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 28 Worklist Smp#: 31
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

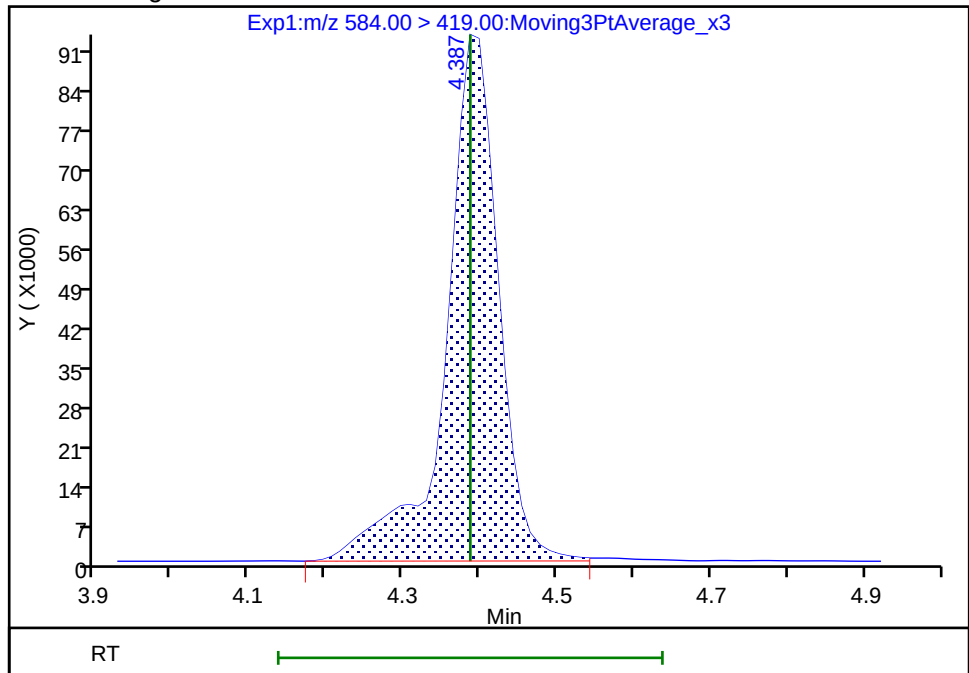
RT: 4.39
Area: 444814
Amount: 2.415984
Amount Units: ng/ml

Processing Integration Results



RT: 4.39
Area: 442441
Amount: 2.403095
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:50:19

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

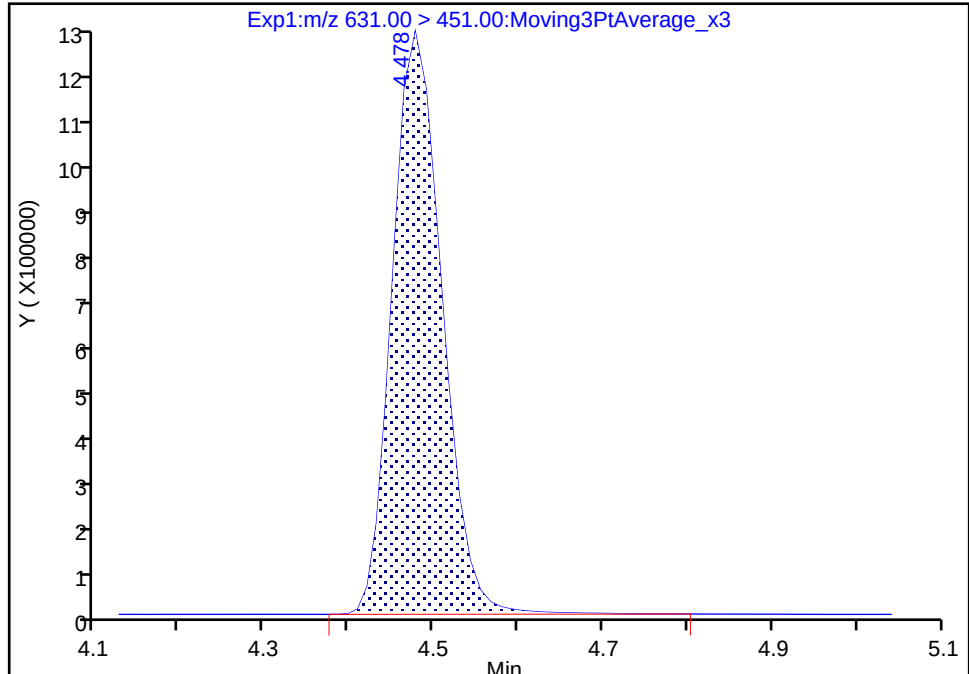
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A31.d
Injection Date: 09-Aug-2022 19:56:34 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 28 Worklist Smp#: 31
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

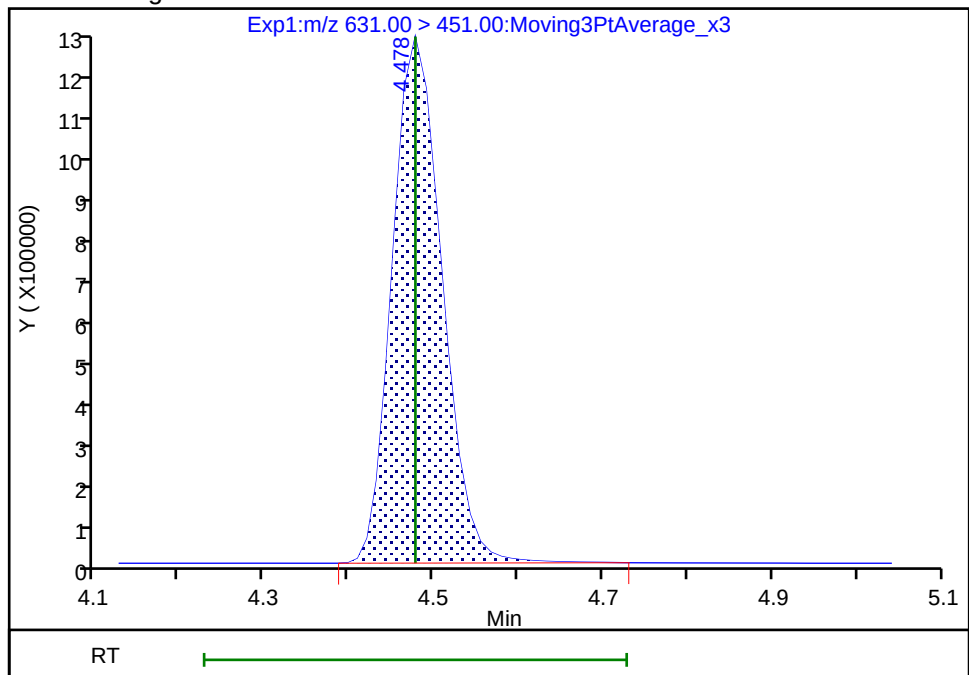
RT: 4.48
Area: 4986217
Amount: 2.312495
Amount Units: ng/ml

Processing Integration Results



RT: 4.48
Area: 4978990
Amount: 2.309143
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:50:26

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

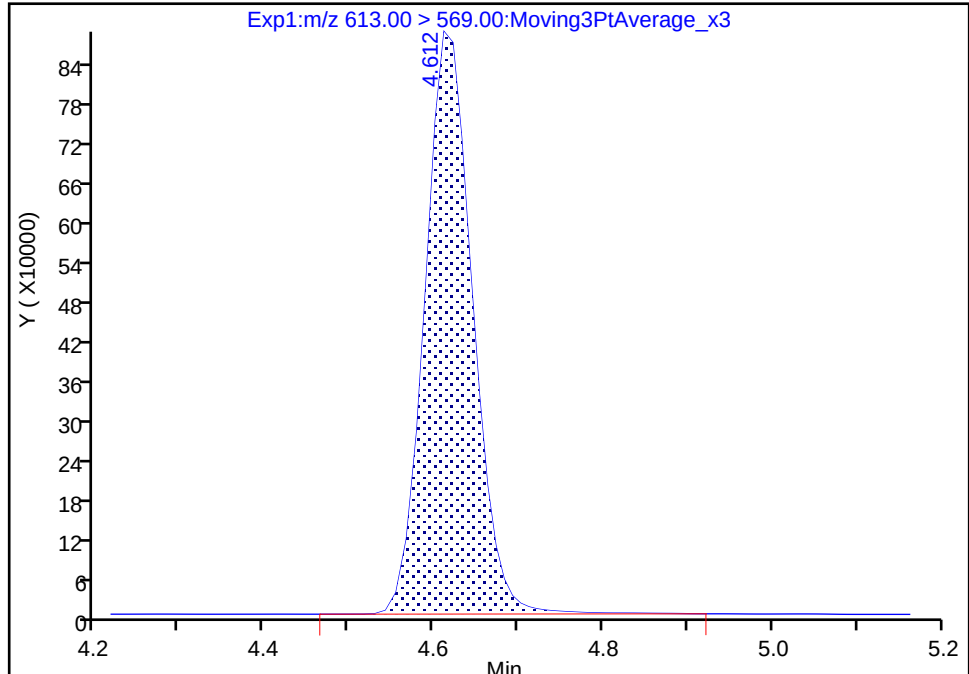
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A31.d
Injection Date: 09-Aug-2022 19:56:34 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 28 Worklist Smp#: 31
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

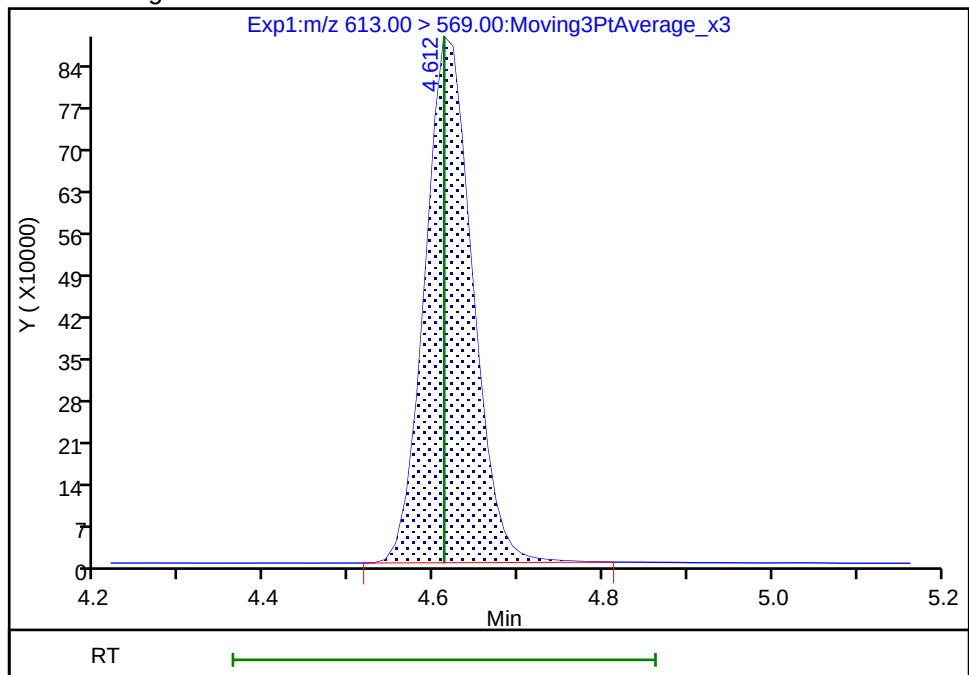
RT: 4.61
Area: 3471046
Amount: 2.392244
Amount Units: ng/ml

Processing Integration Results



RT: 4.61
Area: 3455862
Amount: 2.381780
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:50:31

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

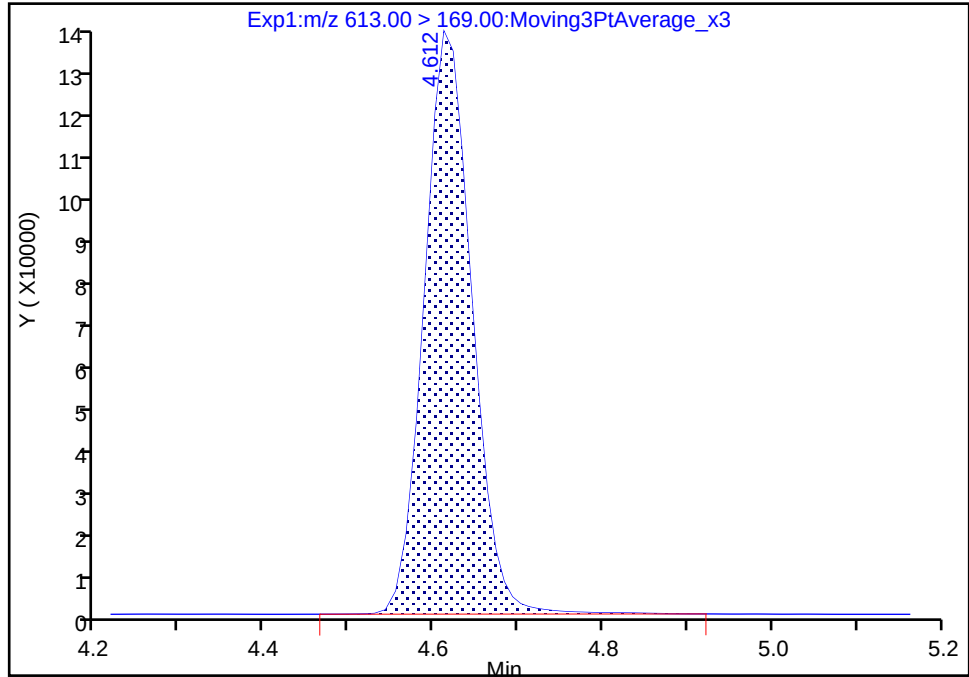
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A31.d
Injection Date: 09-Aug-2022 19:56:34 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 28 Worklist Smp#: 31
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

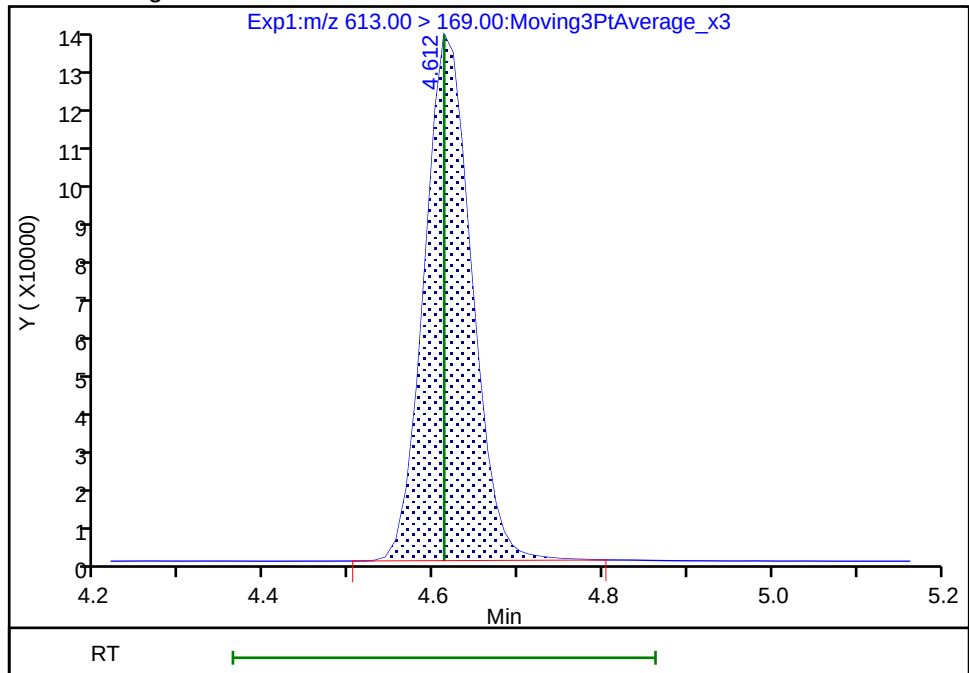
RT: 4.61
Area: 535128
Amount: 2.392244
Amount Units: ng/ml

Processing Integration Results



RT: 4.61
Area: 531878
Amount: 2.381780
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:50:35

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

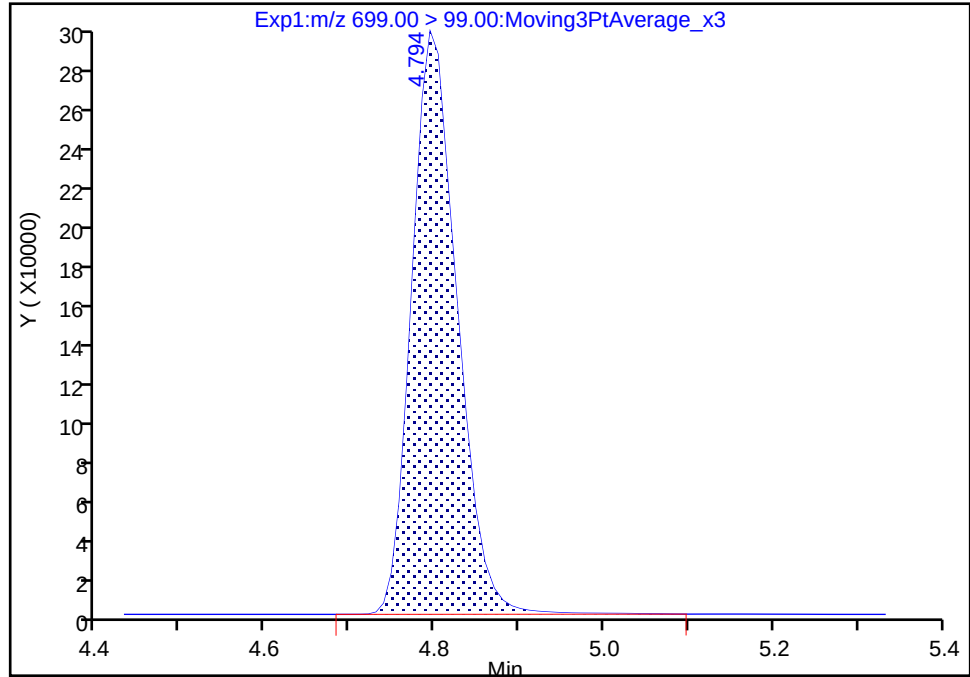
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A31.d
Injection Date: 09-Aug-2022 19:56:34 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 28 Worklist Smp#: 31
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 2

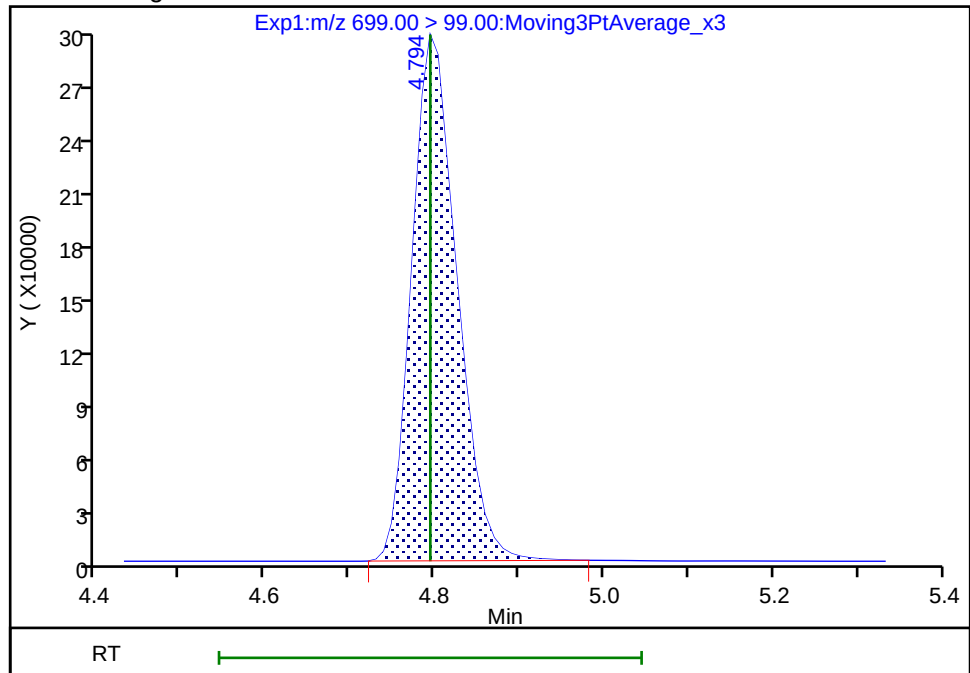
RT: 4.79
Area: 1079264
Amount: 2.293892
Amount Units: ng/ml

Processing Integration Results



RT: 4.79
Area: 1073555
Amount: 2.279338
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:50:44

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

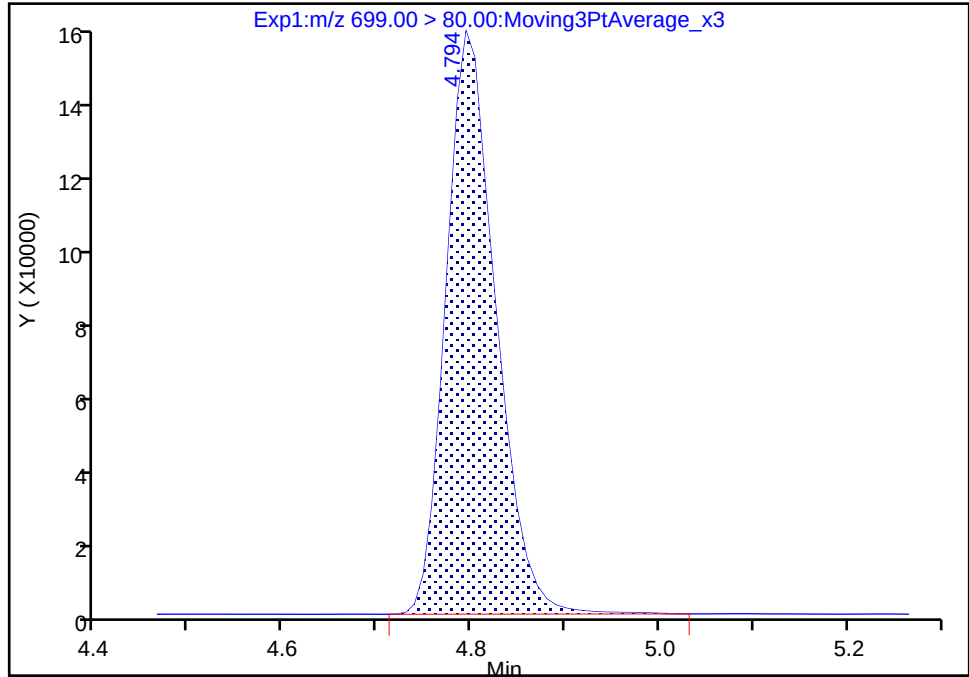
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A31.d
Injection Date: 09-Aug-2022 19:56:34 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 28 Worklist Smp#: 31
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

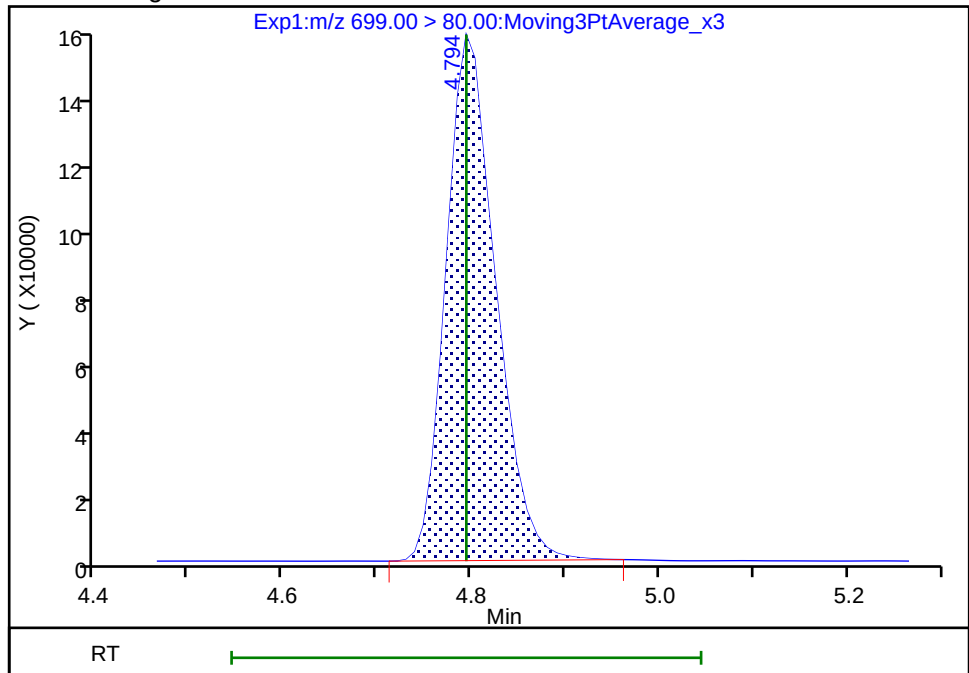
RT: 4.79
Area: 556523
Amount: 2.293892
Amount Units: ng/ml

Processing Integration Results



RT: 4.79
Area: 552992
Amount: 2.279338
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:50:49

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

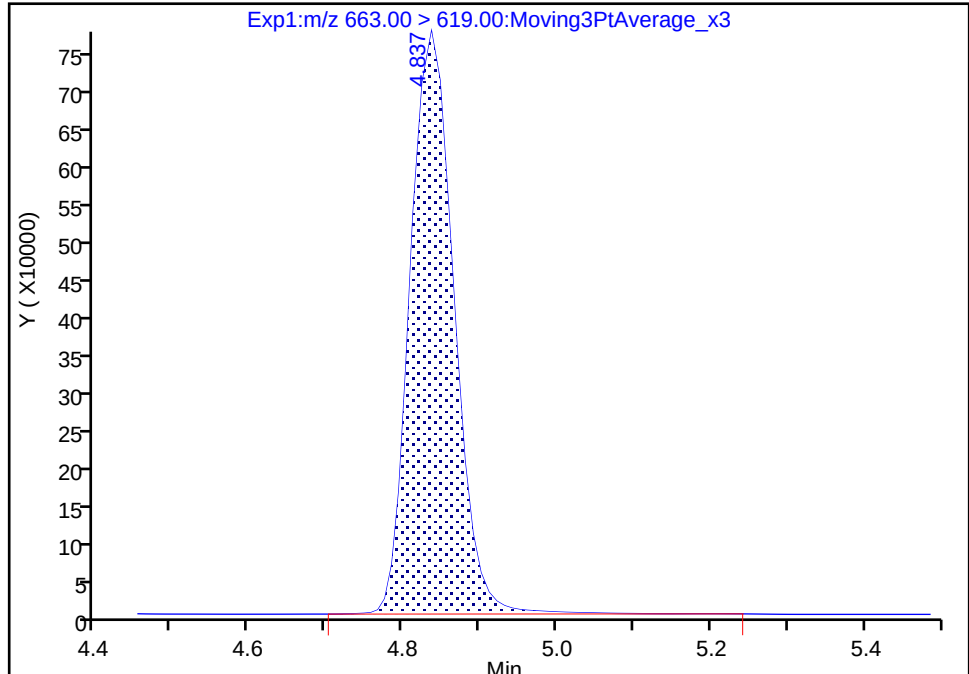
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A31.d
Injection Date: 09-Aug-2022 19:56:34 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 28 Worklist Smp#: 31
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

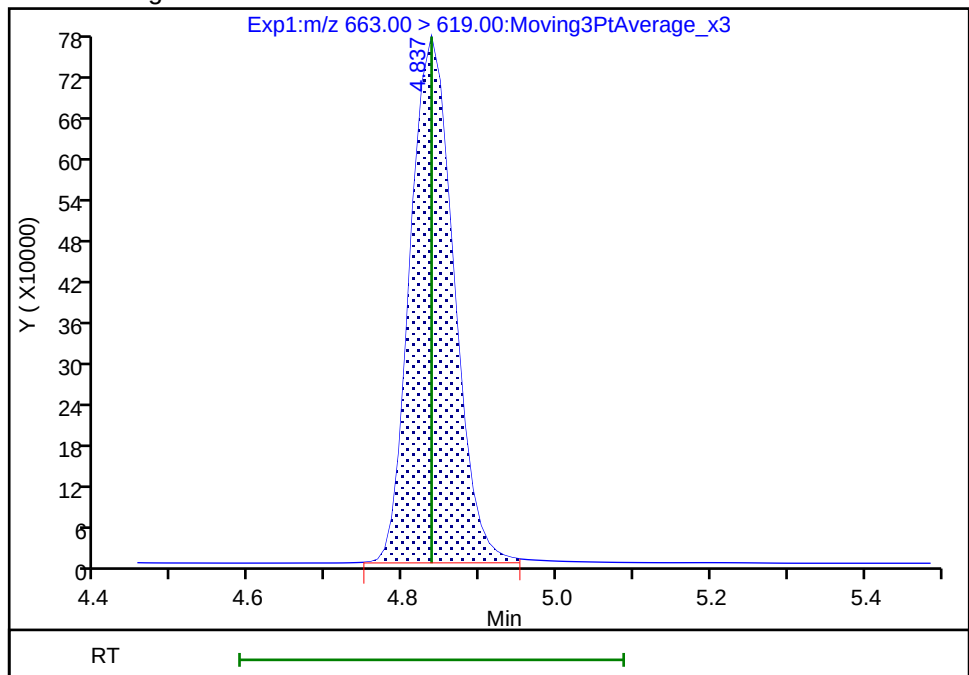
RT: 4.84
Area: 3068001
Amount: 2.439207
Amount Units: ng/ml

Processing Integration Results



RT: 4.84
Area: 3044703
Amount: 2.420684
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:51:04
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

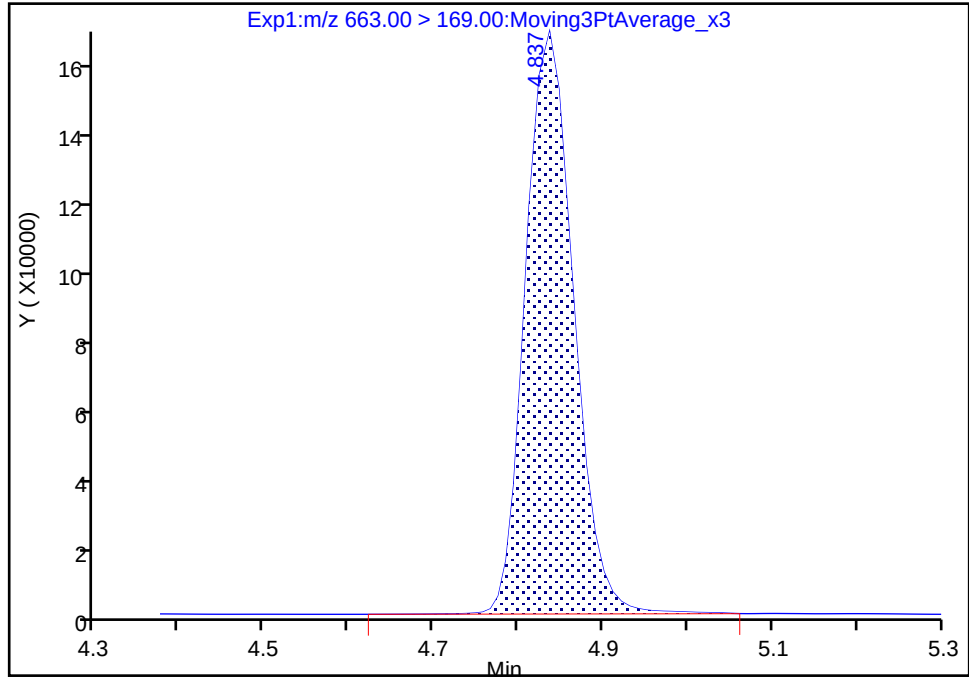
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A31.d
Injection Date: 09-Aug-2022 19:56:34 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 28 Worklist Smp#: 31
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

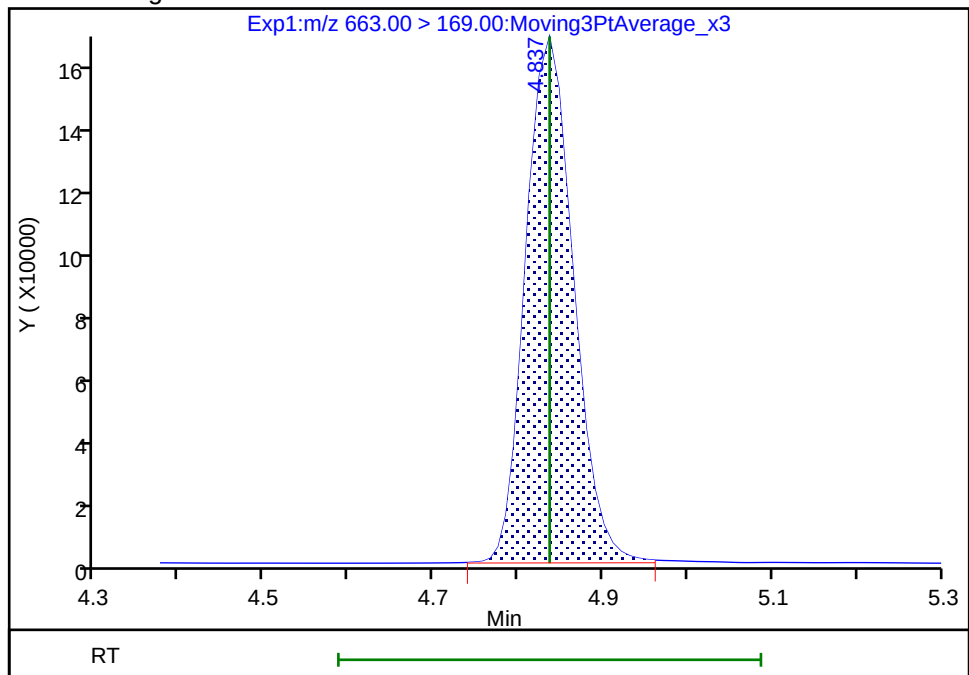
RT: 4.84
Area: 668425
Amount: 2.439207
Amount Units: ng/ml

Processing Integration Results



RT: 4.84
Area: 665602
Amount: 2.420684
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:51:10

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

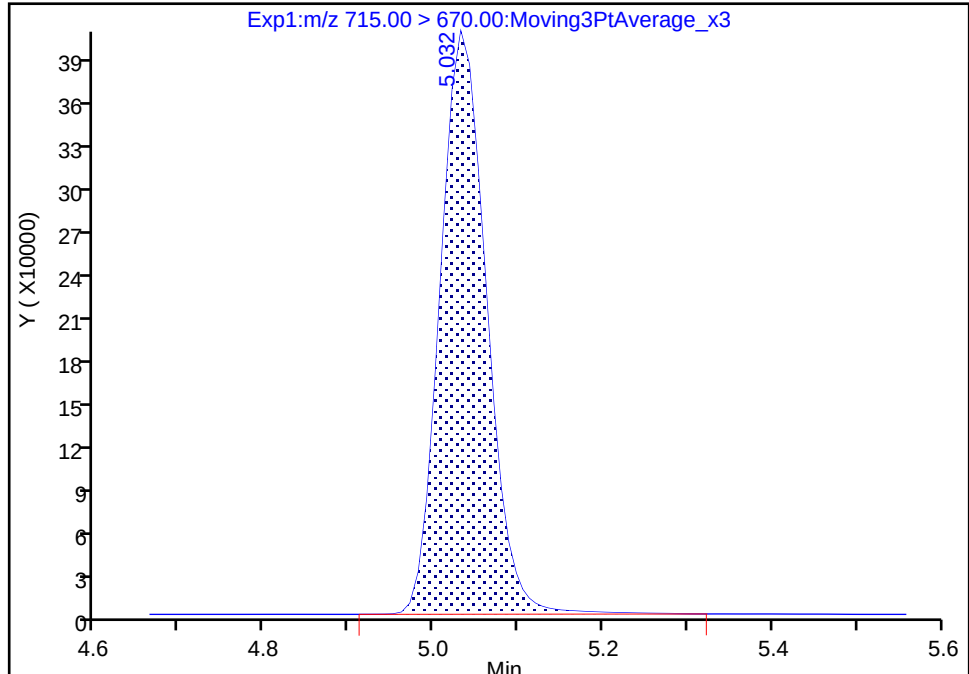
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A31.d
Injection Date: 09-Aug-2022 19:56:34 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 28 Worklist Smp#: 31
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

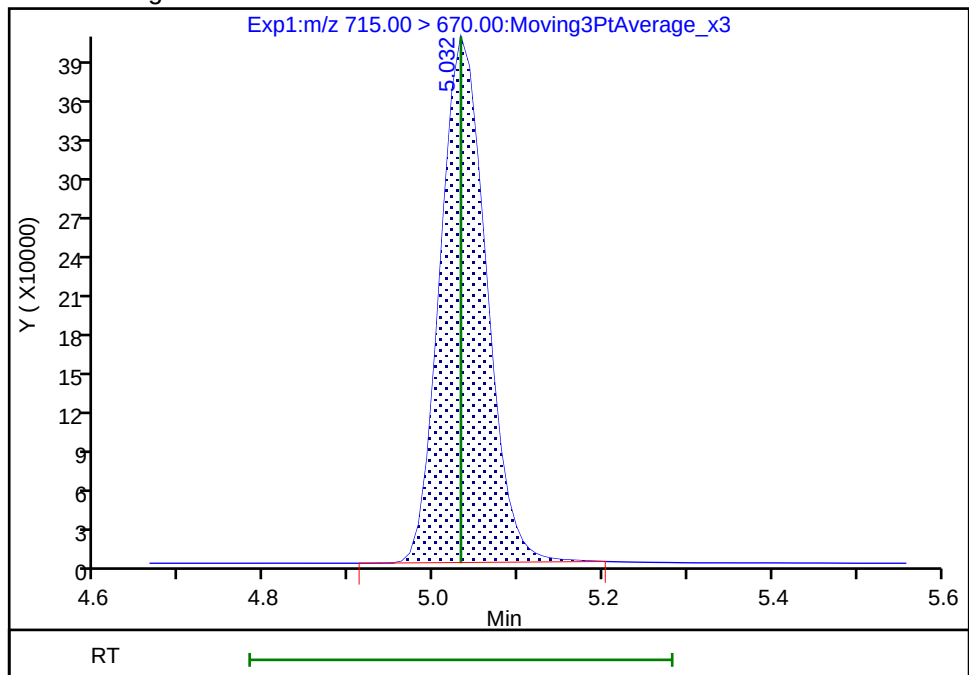
RT: 5.03
Area: 1554519
Amount: 1.379037
Amount Units: ng/ml

Processing Integration Results



RT: 5.03
Area: 1541225
Amount: 1.367244
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:42:35
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

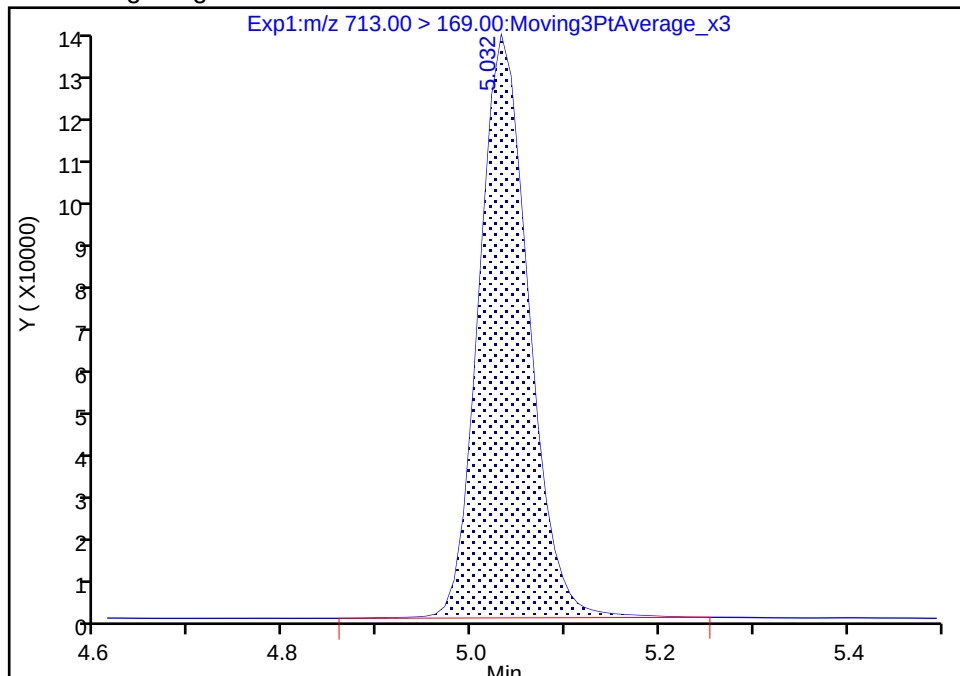
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A31.d
Injection Date: 09-Aug-2022 19:56:34 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 28 Worklist Smp#: 31
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

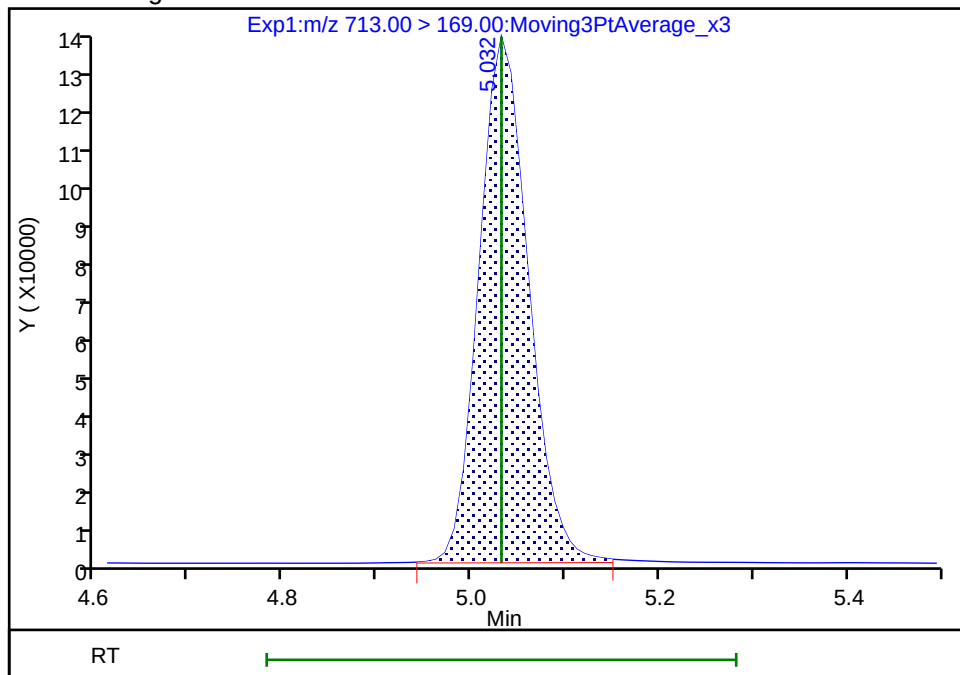
RT: 5.03
Area: 482584
Amount: 2.422111
Amount Units: ng/ml

Processing Integration Results



RT: 5.03
Area: 480535
Amount: 2.432630
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:51:16

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

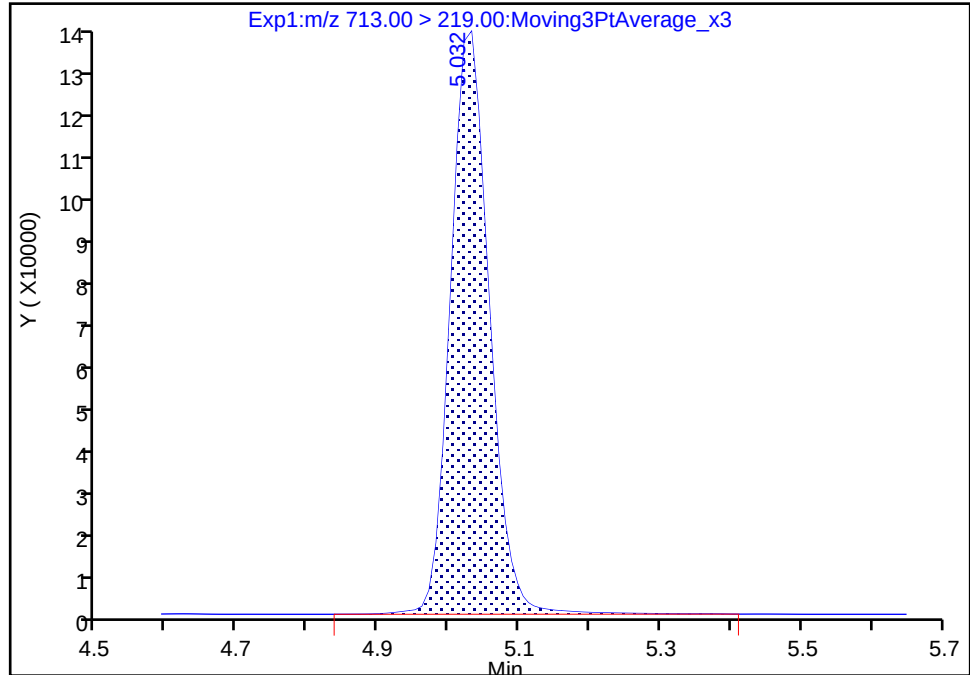
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A31.d
Injection Date: 09-Aug-2022 19:56:34 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 28 Worklist Smp#: 31
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

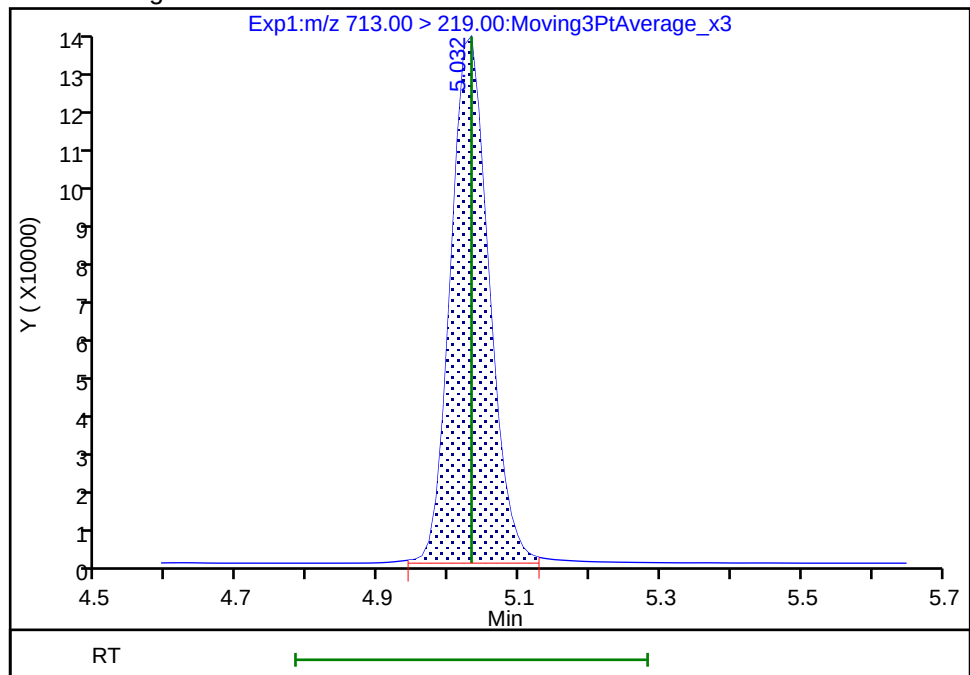
RT: 5.03
Area: 507023
Amount: 2.422111
Amount Units: ng/ml

Processing Integration Results



RT: 5.03
Area: 501160
Amount: 2.432630
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:51:19

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

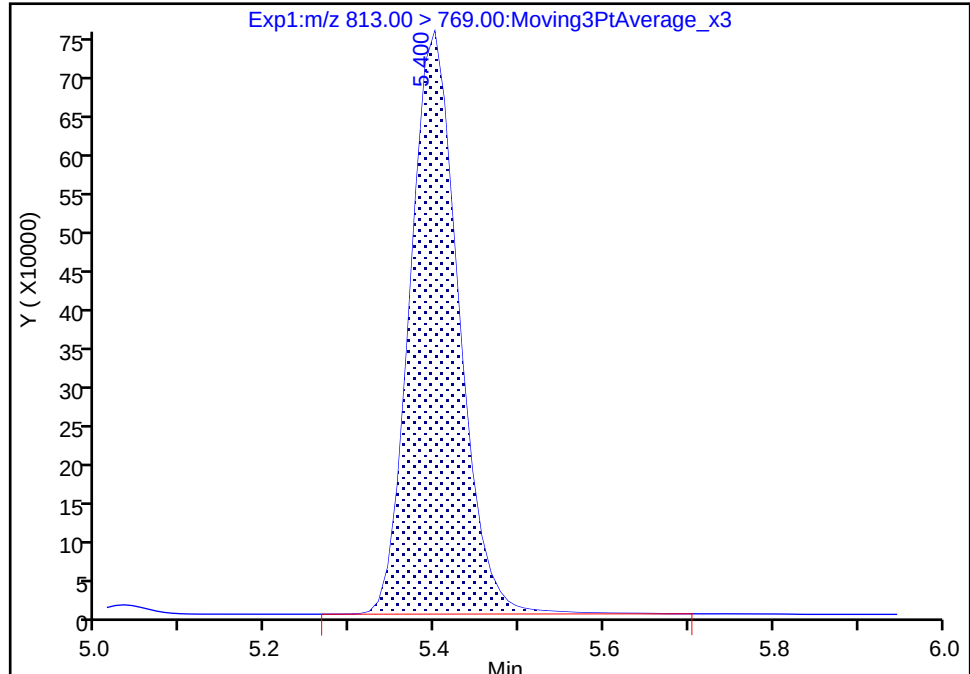
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A31.d
Injection Date: 09-Aug-2022 19:56:34 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 28 Worklist Smp#: 31
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 1

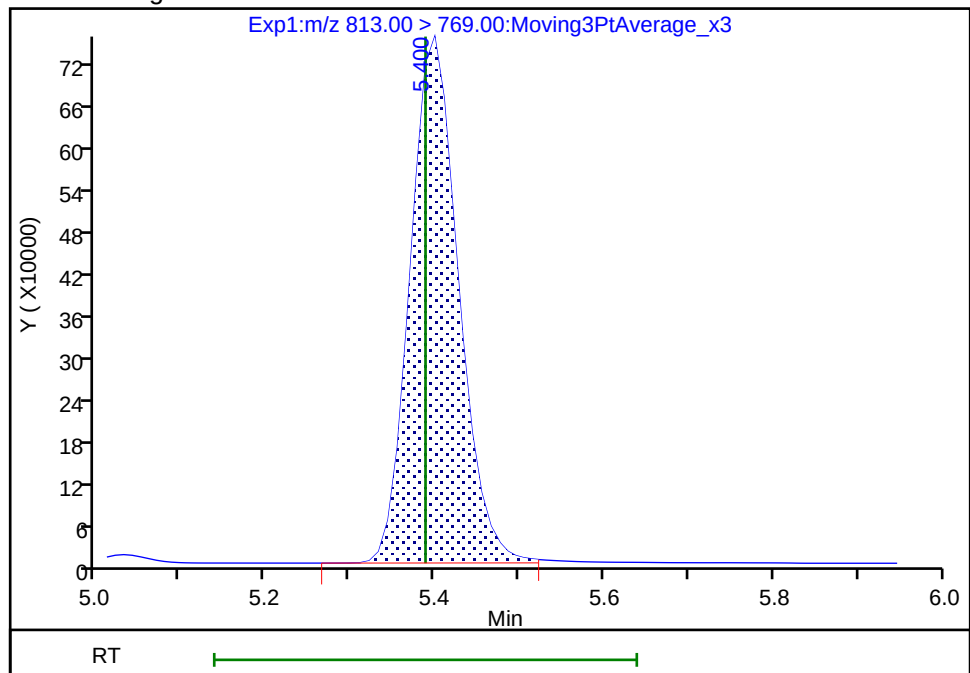
RT: 5.40
Area: 2998676
Amount: 2.393250
Amount Units: ng/ml

Processing Integration Results



RT: 5.40
Area: 2984915
Amount: 2.382172
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:51:26

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A31.d

Injection Date: 09-Aug-2022 19:56:34

Instrument ID: LC812

Lims ID: CCV L5

Client ID:

Operator ID: lc812tech

ALS Bottle#:

28

Worklist Smp#:

31

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

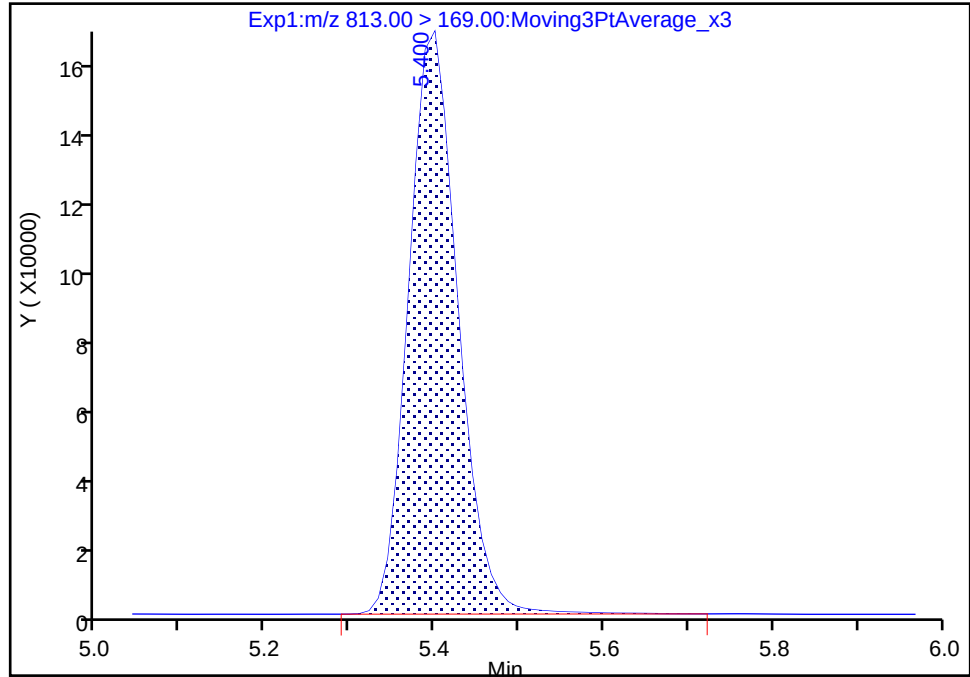
EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 2

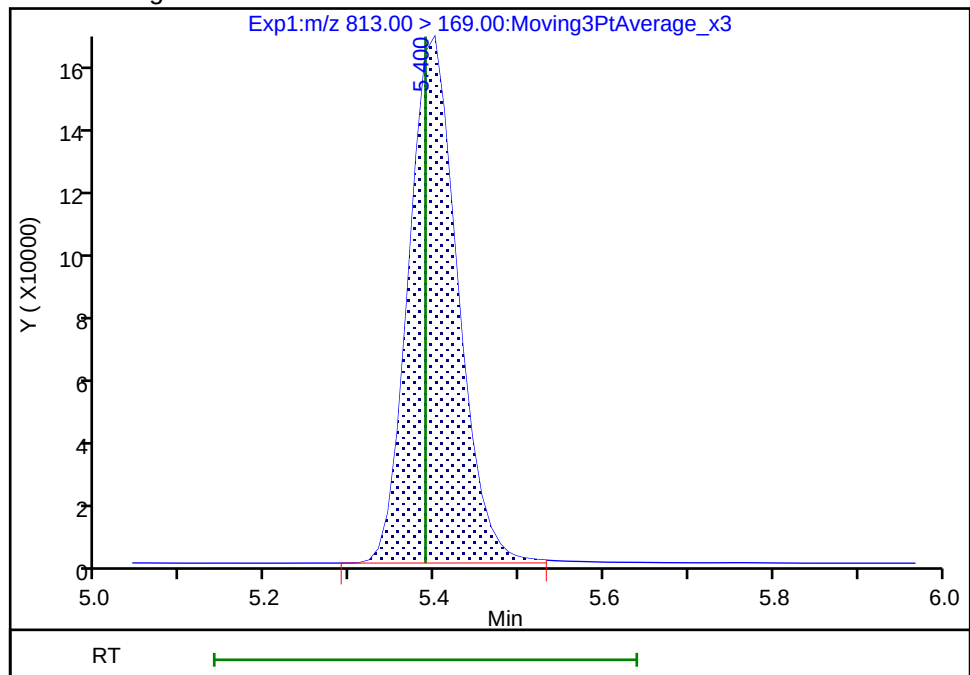
RT: 5.40
Area: 662881
Amount: 2.393250
Amount Units: ng/ml

Processing Integration Results



RT: 5.40
Area: 660116
Amount: 2.382172
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:51:29

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

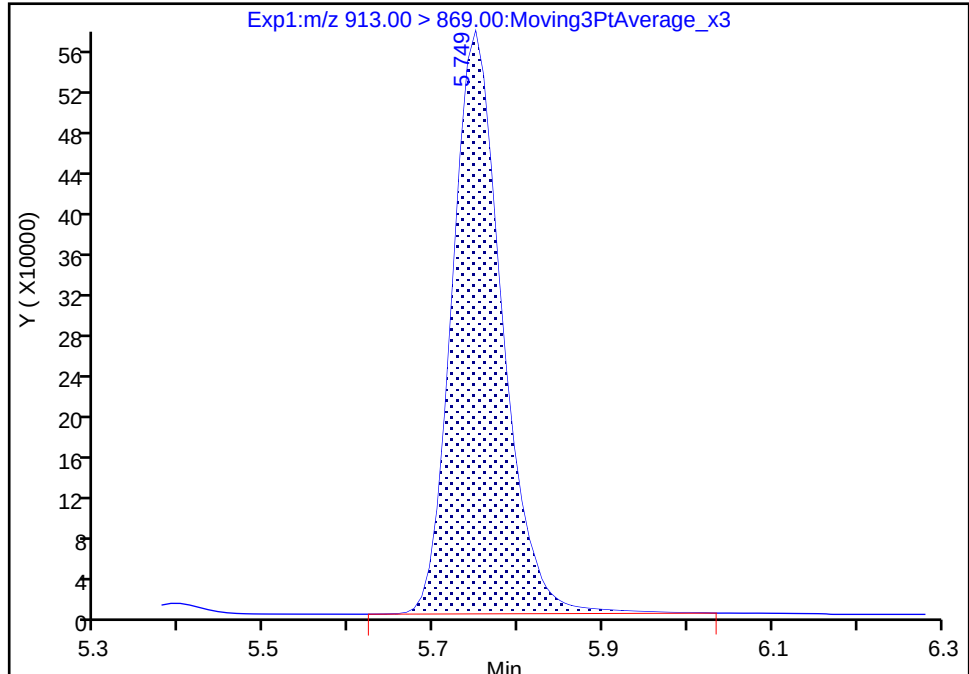
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A31.d
Injection Date: 09-Aug-2022 19:56:34 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 28 Worklist Smp#: 31
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

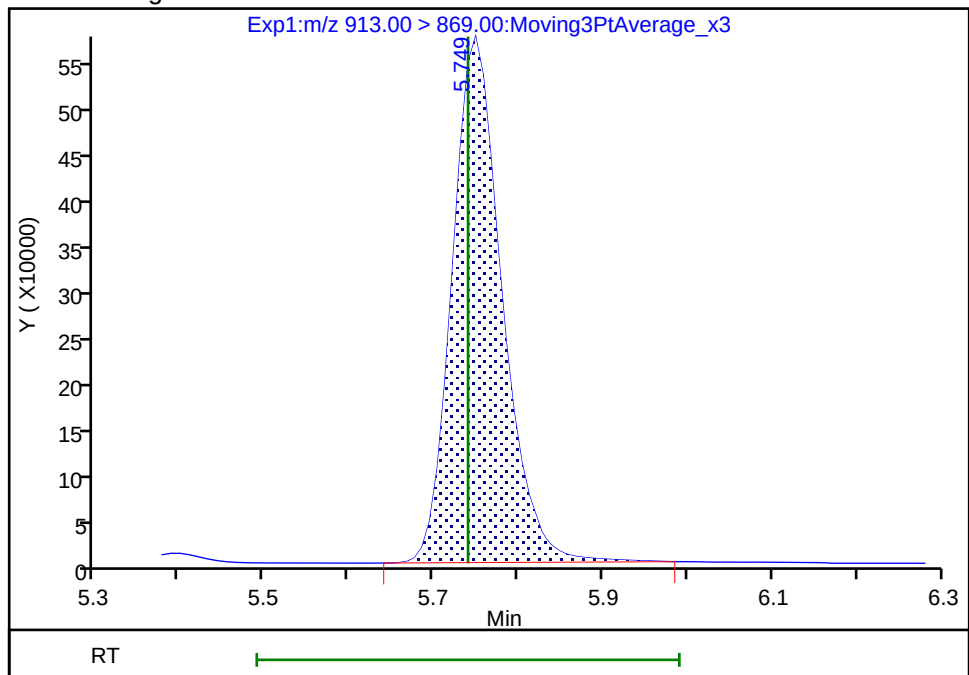
RT: 5.75
Area: 2352373
Amount: 2.546193
Amount Units: ng/ml

Processing Integration Results



RT: 5.75
Area: 2344437
Amount: 2.537603
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:51:35

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

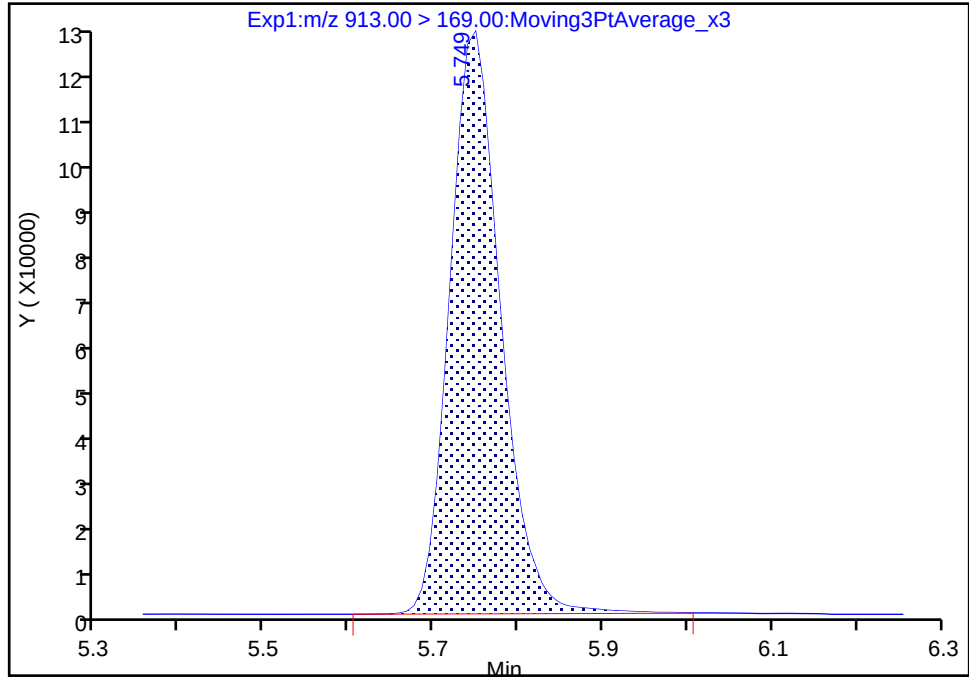
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A31.d
Injection Date: 09-Aug-2022 19:56:34 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 28 Worklist Smp#: 31
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

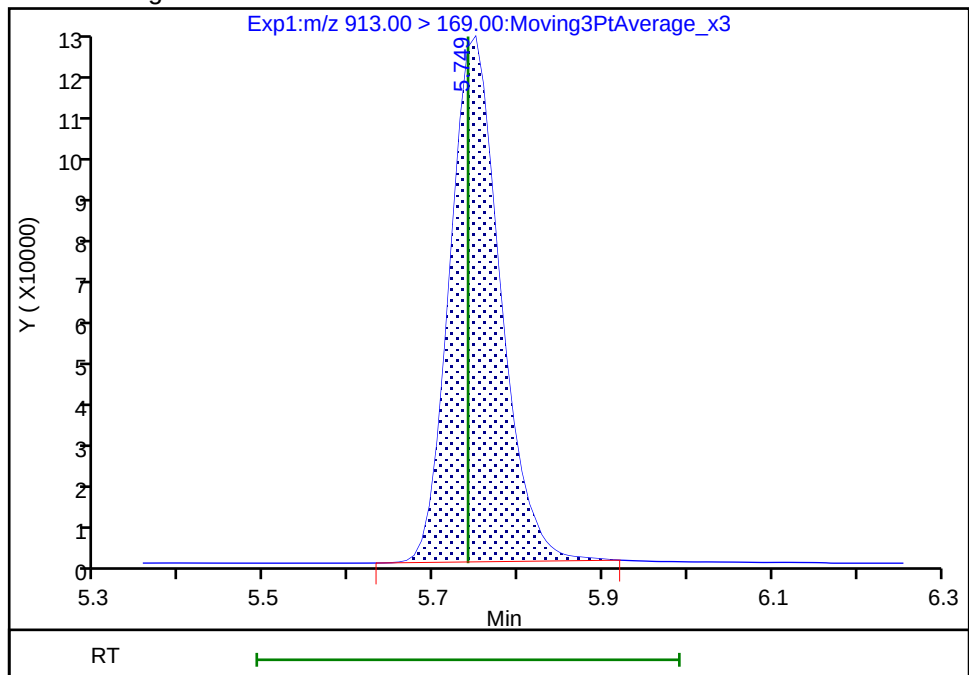
RT: 5.75
Area: 537273
Amount: 2.546193
Amount Units: ng/ml

Processing Integration Results



RT: 5.75
Area: 531162
Amount: 2.537603
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:51:39

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-263208-1

SDG No.: _____

Lab Sample ID: CCVLIS 200-182581/6 Calibration Date: 08/11/2022 14:42

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: PA220811A06.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	1.006		0.130	0.125	3.7	50.0
Perfluoropentanoic acid (PFPeA)	AveID	1.031	1.074		0.0521	0.0500	4.2	50.0
Perfluorobutanesulfonic acid (PFBS)	AveID	1.104	1.118		0.0447	0.0442	1.2	50.0
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	AveID	2.377	2.861		0.0562	0.0467	20.4	50.0
Perfluorohexanoic acid (PFHxA)	AveID	1.043	1.077		0.0516	0.0500	3.2	50.0
Perfluoropentanesulfonic acid (PFPeS)	AveID	1.297	1.360		0.0492	0.0469	4.9	50.0
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	AveID	1.075	1.153		0.107	0.100	7.3	50.0
Perfluorohexanesulfonic acid (PFHxS)	AveID	1.103	1.215		0.0501	0.0455	10.1	50.0
Perfluoroheptanoic acid (PFHpA)	AveID	1.031	1.089		0.0528	0.0500	5.7	50.0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	4.119	4.491		0.0514	0.0471	9.0	50.0
6:2 FTS	L1ID		1.534		0.108	0.119	-8.9	50.0
Perfluoroheptanesulfonic acid (PFHpS)	AveID	1.236	1.267		0.0488	0.0476	2.5	50.0
Perfluorooctanoic acid (PFOA)	AveID	1.121	1.115		0.0497	0.0500	-0.6	50.0
Perfluorooctanesulfonic acid (PFOS)	L1ID		1.122		0.0338	0.0464	-27.1	50.0
Perfluorononanoic acid (PFNA)	AveID	1.017	1.104		0.0543	0.0500	8.5	50.0
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O)	AveID	1.766	1.949		0.0514	0.0466	10.3	50.0
Perfluorononanesulfonic acid (PFNS)	AveID	0.7830	0.8351		0.0512	0.0480	6.7	50.0
8:2 FTS	AveID	0.9657	0.9533		0.0473	0.0479	-1.3	50.0
Perfluorodecanoic acid (PFDA)	AveID	1.052	1.090		0.0518	0.0500	3.6	50.0
Perfluorooctanesulfonamide (FOSA)	AveID	1.019	1.020		0.0500	0.0500	0.0	50.0
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	AveID	0.8881	0.8660		0.122	0.125	-2.5	50.0
Perfluorodecanesulfonic acid (PFDS)	AveID	0.5827	0.5823		0.0482	0.0482	-0.0	50.0
Perfluoroundecanoic acid (PFUnA)	AveID	1.059	1.153		0.0544	0.0500	8.8	50.0
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.9079	0.9424		0.130	0.125	3.8	50.0
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF)	AveID	2.299	2.537		0.0520	0.0471	10.3	50.0
Perfluorododecanoic acid (PFDoA)	AveID	1.014	1.042		0.0514	0.0500	2.8	50.0
1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS)	AveID	0.4511	0.4316		0.0461	0.0482	-4.3	50.0
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.2587	0.2601		0.0487	0.0484	0.5	50.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-263208-1
 SDG No.: _____
 Lab Sample ID: CCVLIS 200-182581/6 Calibration Date: 08/11/2022 14:42
 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: PA220811A06.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	0.9862		0.0561	0.0500	12.2	50.0
Perfluorotetradecanoic acid (PFTeA)	AveID	0.1602	0.1711		0.0534	0.0500	6.8	50.0
Perfluoro-n-hexadecanoic acid (PFHxDA)	L1ID		1.170		0.0447	0.0500	-10.6	50.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	0.6649	0.7733		0.0582	0.0500	16.3	50.0
13C4 PFBA	Ave	1.167	1.079		1.16	1.25	-7.5	
13C5 PFPeA	Ave	0.8976	0.8514		1.19	1.25	-5.1	
13C3 PFBS	Ave	1.039	0.9475		1.06	1.16	-8.8	
M2-4:2 FTS	Ave	0.0894	0.0862		1.13	1.17	-3.6	
13C2 PFHxA	Ave	0.8962	0.8333		1.16	1.25	-7.0	
13C3 HFPO-DA	Ave	0.1687	0.1560		1.16	1.25	-7.5	
13C4 PFHpA	Ave	0.9296	0.8904		1.20	1.25	-4.2	
18O2 PFHxS	Ave	0.7305	0.6923		1.12	1.18	-5.2	
M2-6:2 FTS	Ave	0.1223	0.1278		1.24	1.19	4.6	
13C4 PFOA	Ave	0.9525	0.9642		1.27	1.25	1.2	
13C4 PFOS	Ave	0.5455	0.5245		1.15	1.20	-3.8	
13C5 PFNA	Ave	0.9889	0.9602		1.21	1.25	-2.9	
13C2 PFDA	Ave	0.9624	1.027		1.33	1.25	6.7	
M2-8:2 FTS	Ave	0.1471	0.1576		1.28	1.20	7.1	
13C8 FOSA	Ave	0.8423	0.7931		1.18	1.25	-5.8	
d3-NMeFOSAA	Ave	0.1290	0.1220		1.18	1.25	-5.4	
13C2 PFUnA	Ave	0.7292	0.7355		1.26	1.25	0.9	
d5-NEtFOSAA	Ave	0.1221	0.1115		1.14	1.25	-8.7	
13C2 PFDoA	Ave	0.7556	0.8087		1.34	1.25	7.0	
13C2 PFTeDA	Ave	0.6177	0.6678		1.35	1.25	8.1	
13C2 PFHxDA	Ave	0.7037	0.7092		1.26	1.25	0.8	

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A06.d
 Lims ID: CCVLIS
 Client ID:
 Sample Type: CCVLIS
 Inject. Date: 11-Aug-2022 14:42:14 ALS Bottle#: 4 Worklist Smp#: 6
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: CCVLIS
 Misc. Info.: 200-0052039-006 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Sublist: chrom-PFC_LC812*sub3
 Method: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 12-Aug-2022 09:27:33 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: CTX1609

First Level Reviewer: Z1IP

Date: 11-Aug-2022 16:56:48

Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.076	2.076	0.0	0.601	2318895	1.16		92.5	12872	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.076	2.076	0.0	1.000	233263	0.1297		104	27.4	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.386	2.386	0.0	0.690	1829841	1.19		94.9	3354	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.386	2.386	0.0	1.000	78630	0.0521		104	3.4	M
D 47 13C3 PFBS										
301.90 > 80.00	2.400	2.400	0.0	0.694	1893741	1.06		91.2	290835	
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.413	2.413	0.0	1.006	80464	0.0447	Target=2.23	101	64.9	M
298.90 > 99.00	2.413	2.413	0.0	1.006	36319		2.22(1.11-3.34)		31.3	M
D 60 M2-4:2 FTS										
329.00 > 81.00	2.701	2.701	0.0	0.781	173008	1.13		96.4	186	
61 1H,1H,2H,2H-perfluorohexanesulfo										M
327.00 > 307.00	2.701	2.701	0.0	1.000	19801	0.0562		120	240	M
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.737	2.737	0.0	1.000	77136	0.0516	Target=12.24	103	20.2	M
313.00 > 119.00	2.737	2.737	0.0	1.000	6557		11.76(6.12-18.36)		11.8	
D 7 13C2 PFHxA										M
315.00 > 270.00	2.737	2.737	0.0	0.792	1790869	1.16		93.0	2096	M
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.737	2.737	0.0	0.883	75946	0.0492	Target=2.95	105	52.9	
349.00 > 99.00	2.737	2.737	0.0	0.883	26064		2.91(1.48-4.43)		71.8	M
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.847	2.847	0.0	0.824	335211	1.16		92.5	1882	

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	2.847	0.0	1.000	30931	0.1073		107	480	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.098	3.098	0.0	0.897	1407564	1.12		94.8	2051	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.098	3.098	0.0	1.000	65788	0.0501	Target=3.43	110	129	M
399.00 > 99.00	3.098	3.098	0.0	1.000	22519		2.92(1.72-5.15)		39.5	M
D 9 13C4 PFHpA										M
367.00 > 322.00	3.098	3.098	0.0	0.897	1913568	1.20		95.8	2015	M
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.110	3.110	0.0	1.004	83365	0.0528	Target=3.73	106	29.0	M
363.00 > 169.00	3.110	3.110	0.0	1.004	21858		3.81(1.86-5.59)		56.0	
77 DONA										
377.00 > 251.00	3.143	3.143	0.0	0.833	190758	0.0514	Target=2.84	109	380	
377.00 > 85.00	3.143	3.143	0.0	0.833	63653		3.00(1.42-4.26)		121	
D 12 M2-6:2 FTS										M
429.00 > 81.00	3.447	3.447	0.0	0.997	261028	1.24		105	517	M
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.447	3.447	0.0	1.000	39945	0.1079		91.1	154	
16 Perfluoroheptanesulfonic acid										
449.00 > 80.00	3.447	3.447	0.0	0.914	54403	0.0488	Target=4.89	103	159	
449.00 > 99.00	3.447	3.447	0.0	0.914	11078		4.91(2.44-7.33)		66.2	
D 14 13C4 PFOA										
417.00 > 372.00	3.456	3.456	0.0	1.000	2072125	1.27		101	3891	
* 62 13C2 PFOA										
415.00 > 370.00	3.456	3.456	0.0		2149133	1.25			3333	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.456	3.456	0.0	1.000	92417	0.0497	Target=2.67	99.4	11.6	
413.00 > 169.00	3.456	3.456	0.0	1.000	35554		2.60(1.34-4.01)		84.6	M
D 18 13C4 PFOS										
503.00 > 80.00	3.773	3.773	0.0	1.092	1077635	1.15		96.2	2621	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.773	3.773	0.0	1.000	46928	0.0338	Target=4.88	72.9	36.6	M
499.00 > 99.00	3.773	3.773	0.0	1.000	10584		4.43(2.44-7.32)		47.4	M
20 Perfluorononanoic acid										M
463.00 > 419.00	3.792	3.792	0.0	1.000	91157	0.0543	Target=8.23	109	32.0	
463.00 > 169.00	3.792	3.792	0.0	1.000	10153		8.98(4.11-12.34)		105	M
D 19 13C5 PFNA										M
468.00 > 423.00	3.792	3.792	0.0	1.097	2063678	1.21		97.1	1426	M
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.940	3.940	0.0	1.044	81887	0.0514		110	531	
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.060	4.060	0.0	1.076	36150	0.0512	Target=2.53	107	248	
549.00 > 99.00	4.060	4.060	0.0	1.076	15546		2.33(1.26-3.79)		88.0	
D 23 13C2 PFDA										M
515.00 > 470.00	4.092	4.092	0.0	1.184	2207721	1.33		107	2053	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	4.092	4.092	0.0	1.000	96216	0.0518	Target=9.67 9.60(4.83-14.50)	104	66.1	
513.00 > 169.00	4.092	4.092	0.0	1.000	10023				46.1	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.092	4.092	0.0	0.997	12369	0.0473		98.7	243	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.104	4.104	0.0	1.187	324379	1.28		107	975	
D 21 13C8 FOSA										
506.00 > 78.00	4.150	4.150	0.0	1.201	1704509	1.18		94.2	3082	
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.161	4.161	0.0	1.003	69512	0.0500		100	208	M
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.238	4.238	0.0	1.226	262240	1.18		94.6	1147	M
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.238	4.238	0.0	1.000	22710	0.1219		97.5	81.5	M
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.330	4.330	0.0	1.148	25311	0.0482	Target=2.80 2.23(1.40-4.20)	99.9	280	
599.00 > 99.00	4.330	4.330	0.0	1.148	11332				153	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.364	4.364	0.0	1.263	1580725	1.26		101	1564	M
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.364	4.364	0.0	1.000	72897	0.0544	Target=9.07 9.89(4.54-13.61)	109	72.1	
563.00 > 169.00	4.364	4.364	0.0	1.000	7371				137	
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.376	4.376	0.0	1.266	239680	1.14		91.3	963	
33 N-ethylperfluorooctanesulfonamid										
584.00 > 419.00	4.376	4.376	0.0	1.000	22587	0.1297		104	159	M
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.465	4.465	0.0	1.183	107738	0.0520		110	494	
D 36 13C2 PFDaA										
615.00 > 570.00	4.601	4.601	0.0	1.331	1737910	1.34		107	1512	M
37 Perfluorododecanoic acid										
613.00 > 569.00	4.601	4.601	0.0	1.000	72452	0.0514	Target=6.97 5.66(3.48-10.45)	103	10.9	
613.00 > 169.00	4.601	4.601	0.0	1.000	12798				190	M
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.622	4.622	0.0	1.126	5635	0.0461		95.7	149	M
75 Perfluorododecanesulfonic acid (										
699.00 > 80.00	4.776	4.776	0.0	1.266	11351	0.0487	Target=0.52 0.55(0.26-0.79)	101	193	M
699.00 > 99.00	4.776	4.776	0.0	1.266	20737				374	
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.813	4.813	0.0	1.046	68556	0.0561	Target=4.56 4.86(2.28-6.84)	112	12.2	M
663.00 > 169.00	4.813	4.813	0.0	1.046	14117				167	
D 43 13C2 PFTeDA										
715.00 > 670.00	5.012	5.012	0.0	1.450	1435141	1.35		108	2617	M
42 Perfluorotetradecanoic acid										
713.00 > 169.00	5.012	5.012	0.0	1.000	9823	0.0534	Target=0.94 0.95(0.47-1.41)	107	225	M
713.00 > 219.00	5.012	5.012	0.0	1.000	10383				174	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 44 13C2 PFHxDA										M
815.00 > 770.00	5.366	5.366	0.0	1.553	1524257	1.26		101	2038	M
45 Perfluorohexadecanoic acid										
813.00 > 769.00	5.378	5.378	0.0	1.002	71350	0.0447	Target=4.38	89.4	17.3	
813.00 > 169.00	5.366	5.378	-0.012	1.000	16880		4.23(2.19-6.57)		230	
46 Perfluorooctadecanoic acid										
913.00 > 869.00	5.713	5.713	0.0	1.065	47149	0.0582	Target=4.31	116	15.9	
913.00 > 169.00	5.713	5.713	0.0	1.065	10518		4.48(2.16-6.47)		142	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PFAS32NCLOQV_00022

Amount Added: 100.00

Units: uL

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A06.d

Injection Date: 11-Aug-2022 14:42:14

Instrument ID: LC812

Lims ID: CCVLIS

Client ID:

Operator ID: lc812tech

ALS Bottle#: 4

Worklist Smp#: 6

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

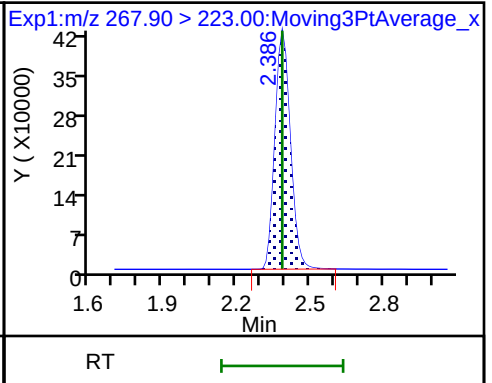
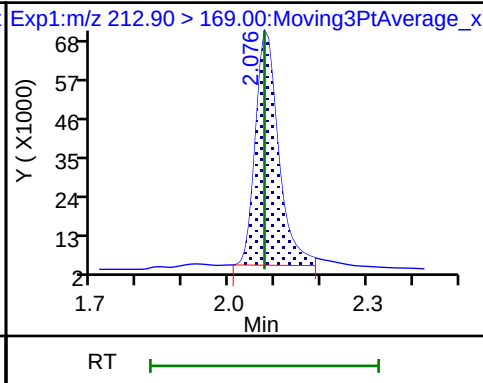
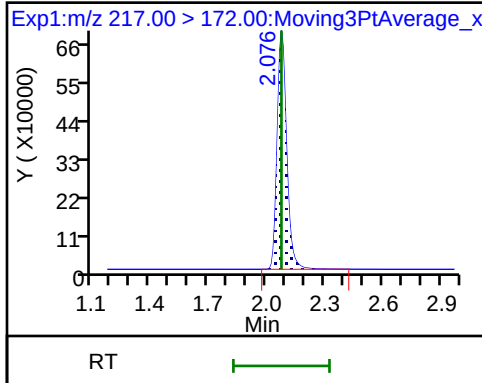
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

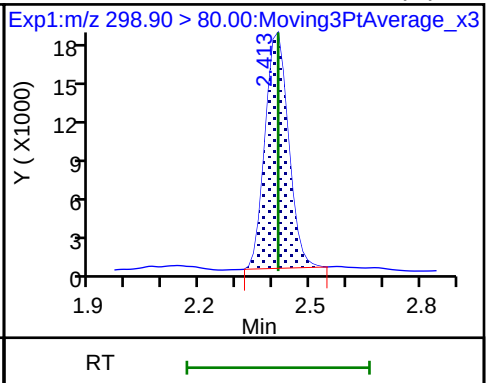
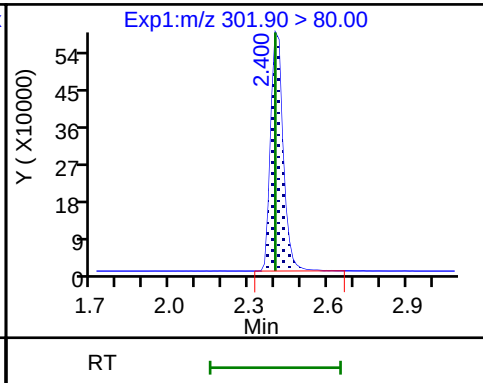
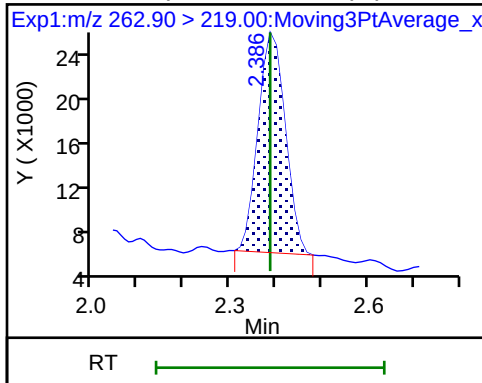
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

D 47 13C3 PFBS

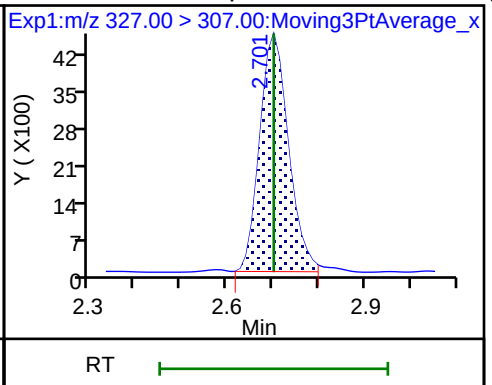
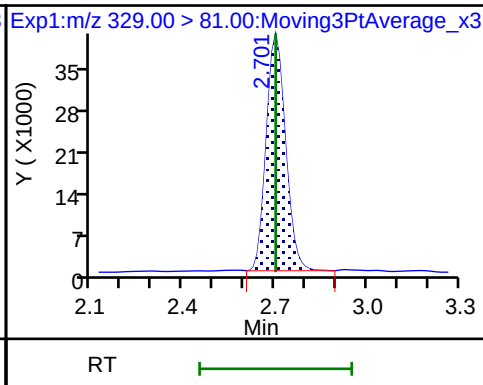
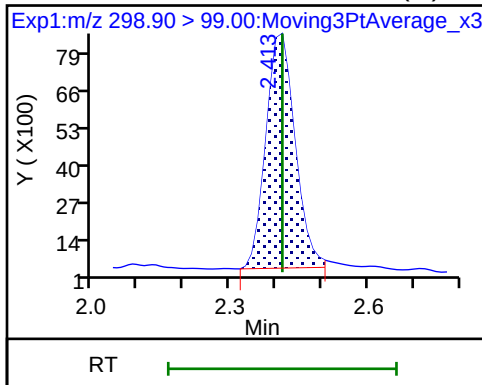
5 Perfluorobutanesulfonic acid (M)



5 Perfluorobutanesulfonic acid (M)

D 60 M2-4:2 FTS

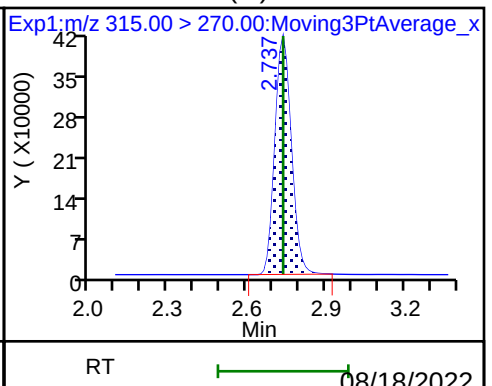
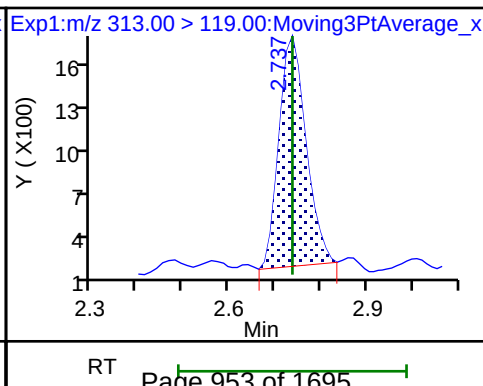
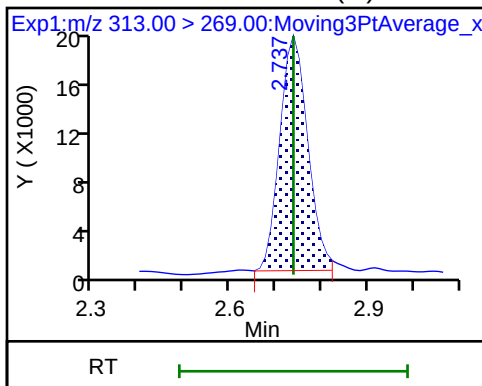
61 1H,1H,2H,2H-perfluorohexanesulfo (M)



6 Perfluorohexanoic acid (M)

6 Perfluorohexanoic acid

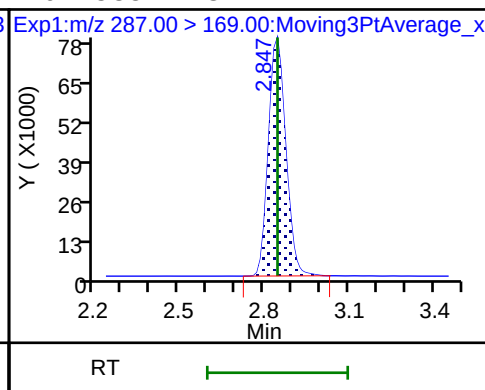
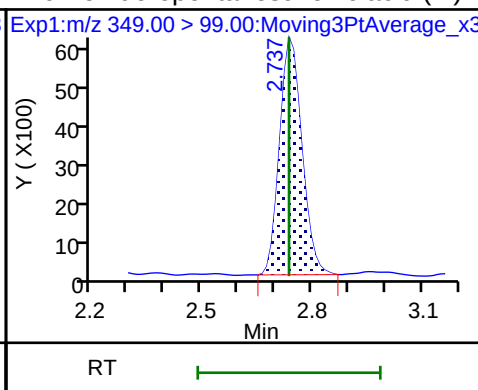
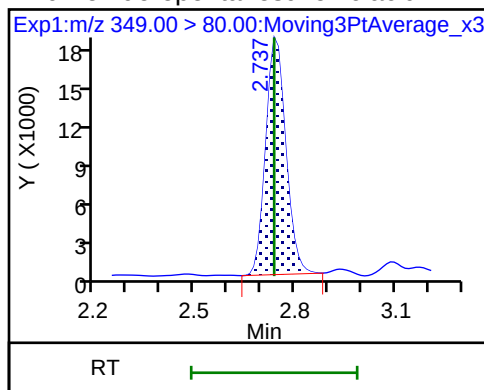
D 7 13C2 PFHxA (M)



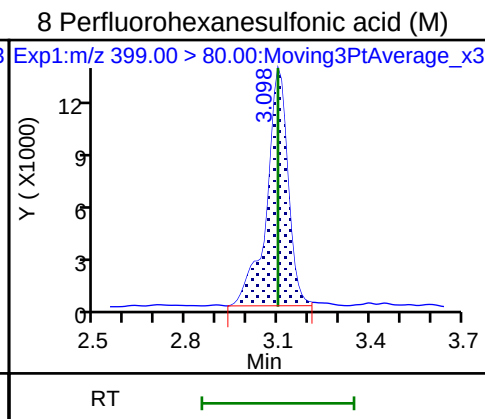
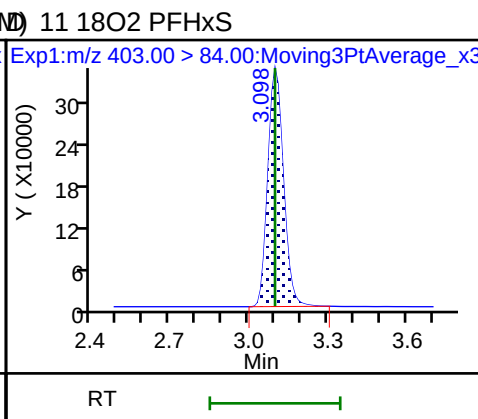
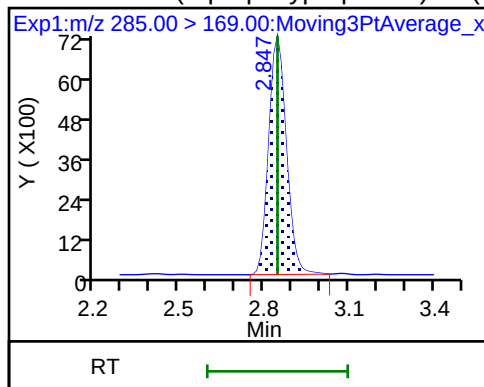
70 Perfluoropentanesulfonic acid

70 Perfluoropentanesulfonic acid (M)

D 64 13C3 HFPO-DA



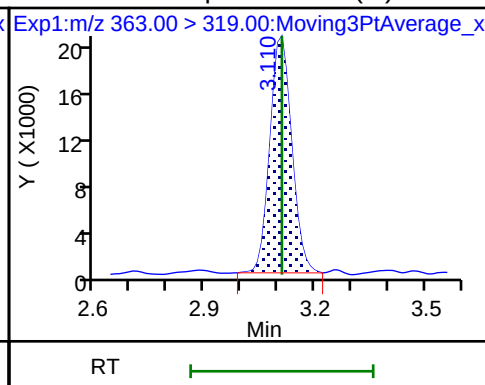
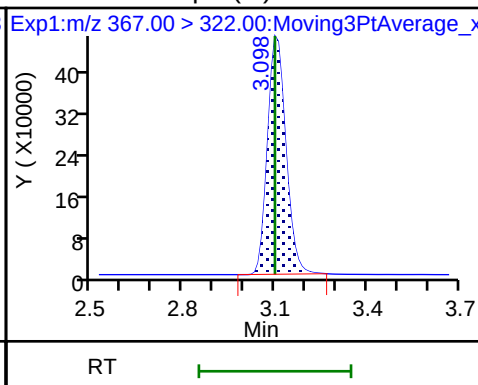
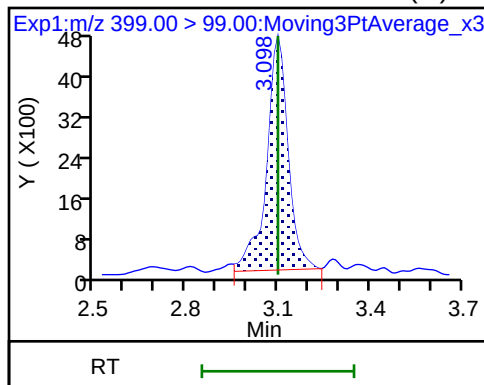
67 Perfluoro(2-propoxypropanoic) ac (M)



8 Perfluorohexanesulfonic acid (M)

D 9 13C4 PFHpA (M)

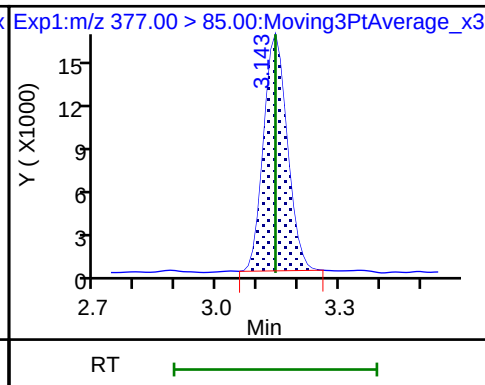
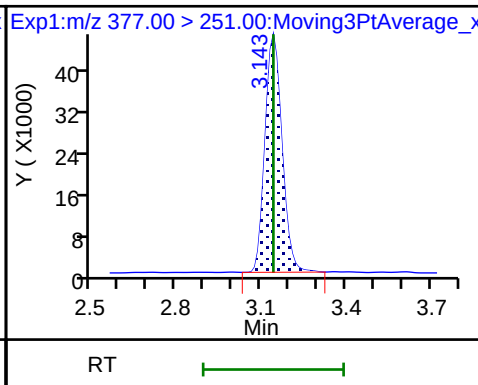
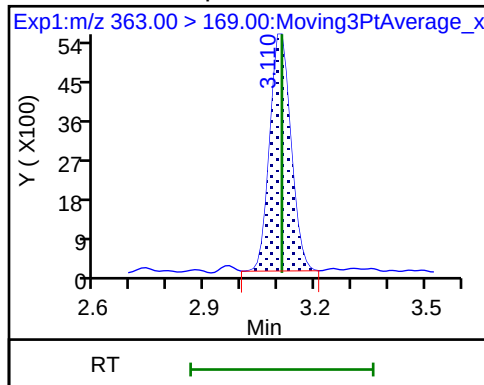
10 Perfluoroheptanoic acid (M)



10 Perfluoroheptanoic acid

77 DONA

77 DONA



D 12 M2-6:2 FTS (M)

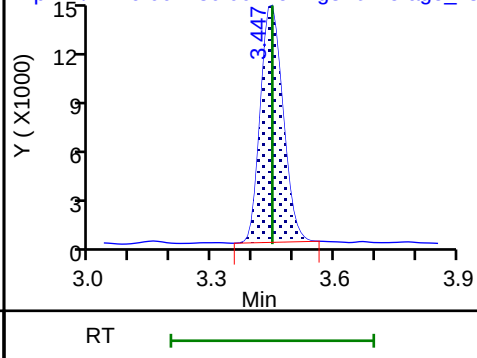
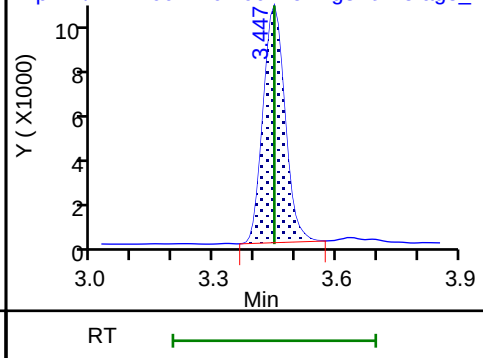
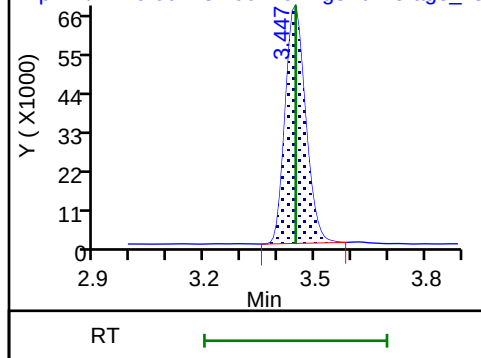
13 1H,1H,2H,2H-perfluorooctanesulfo

16 Perfluoroheptanesulfonic acid

Exp1:m/z 429.00 > 81.00:Moving3PtAverage_x3

Exp1:m/z 427.00 > 407.00:Moving3PtAverage_x

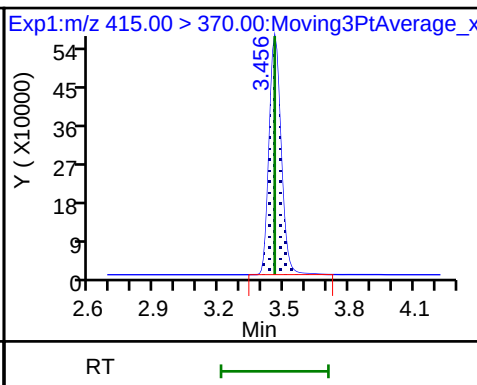
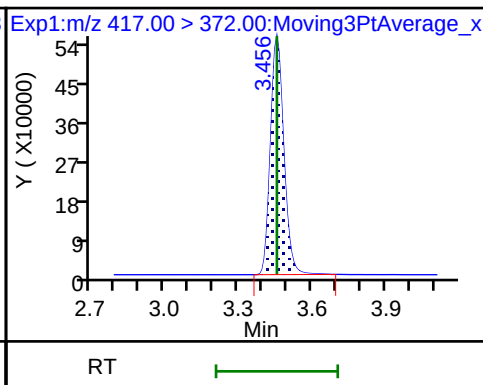
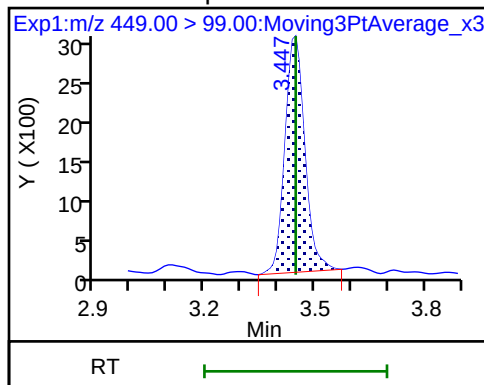
Exp1:m/z 449.00 > 80.00:Moving3PtAverage_x3



16 Perfluoroheptanesulfonic acid

D 14 13C4 PFOA

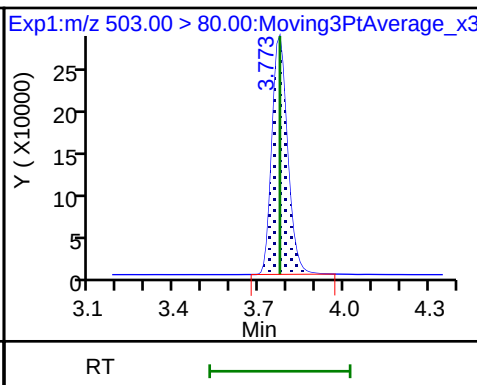
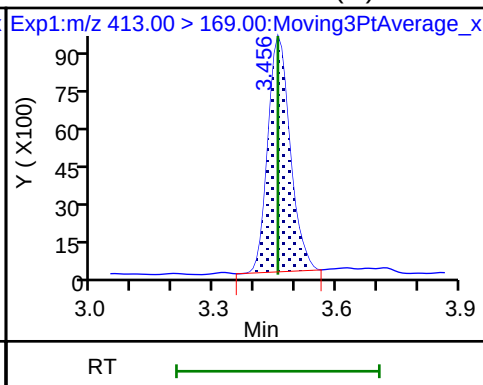
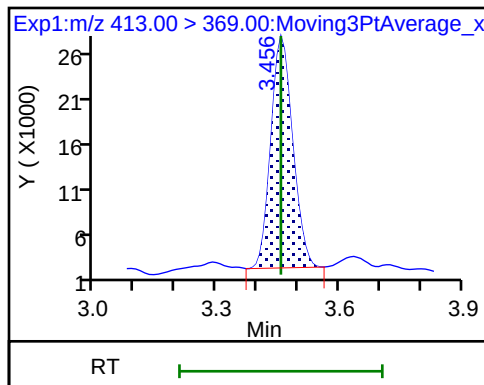
* 62 13C2 PFOA



15 Perfluorooctanoic acid

15 Perfluorooctanoic acid (M)

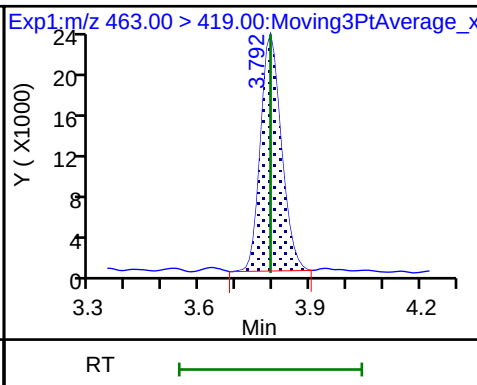
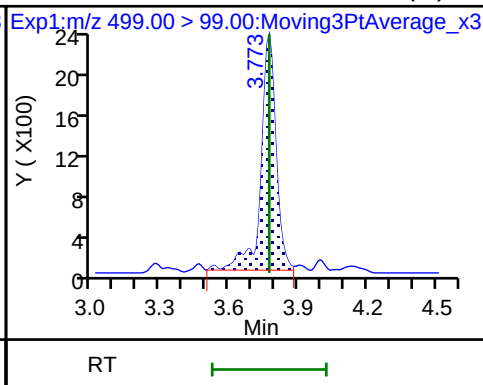
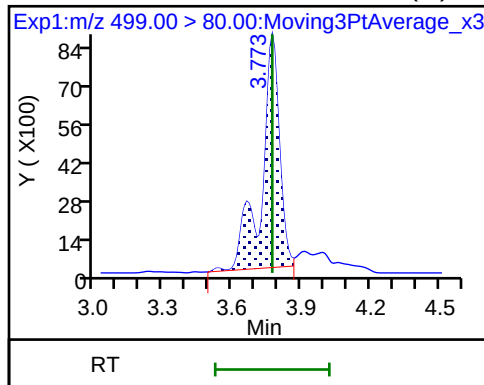
D 18 13C4 PFOS

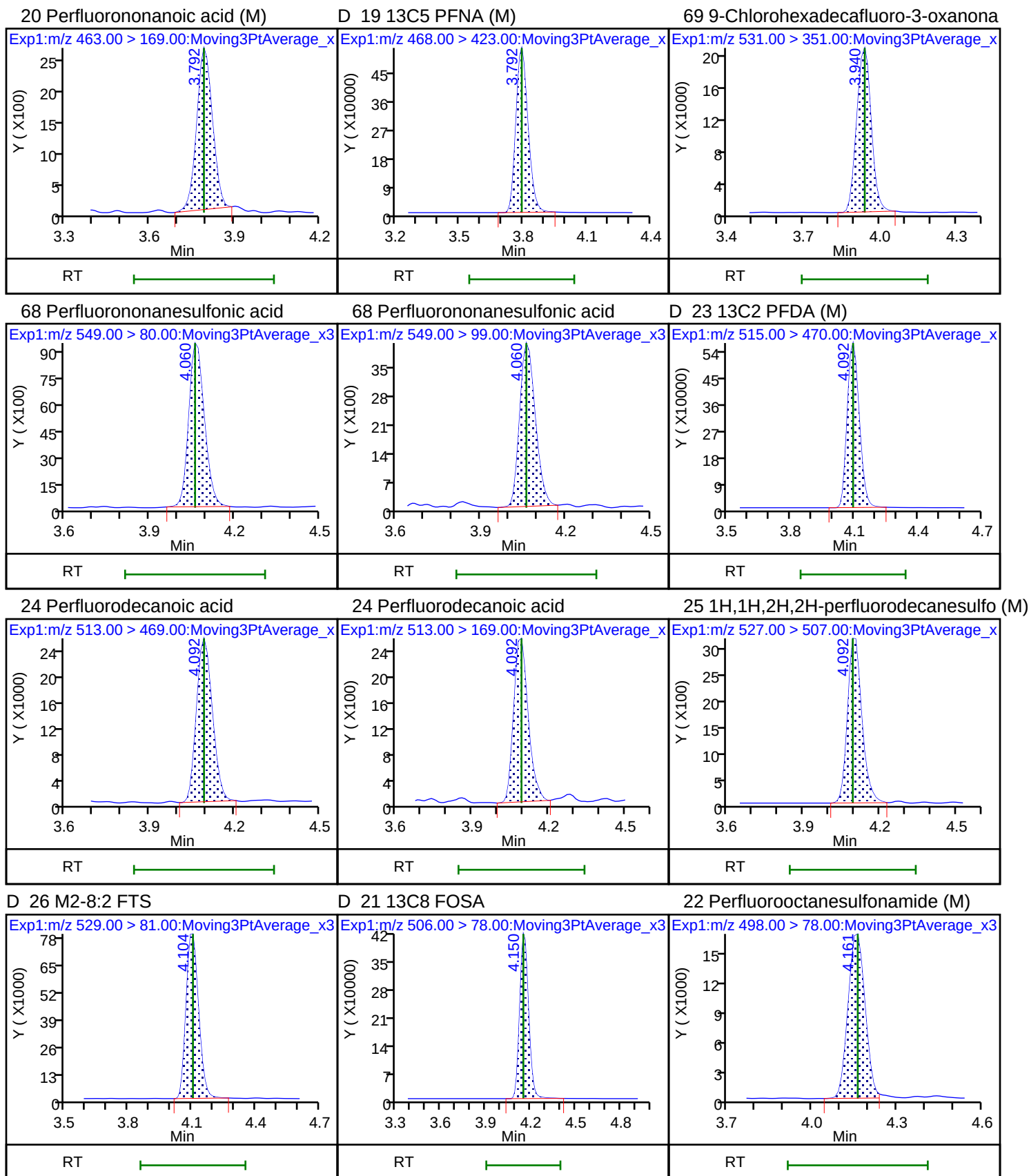


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

20 Perfluorononanoic acid

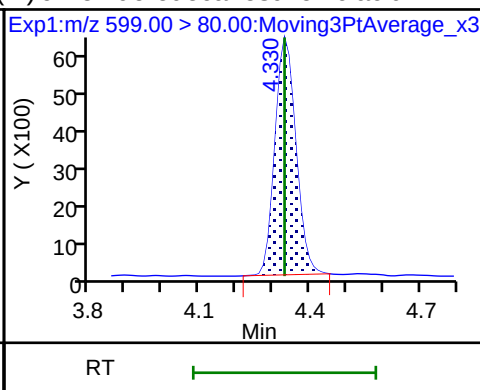
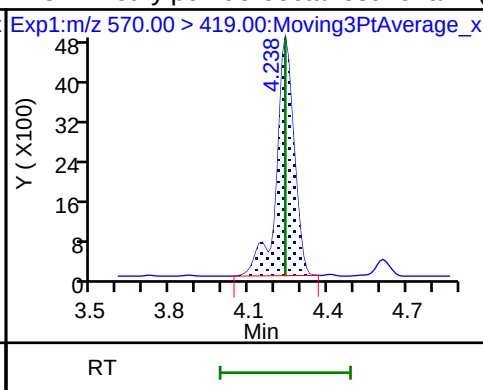
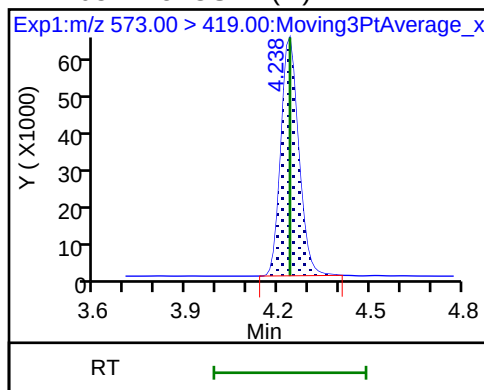




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami (M)

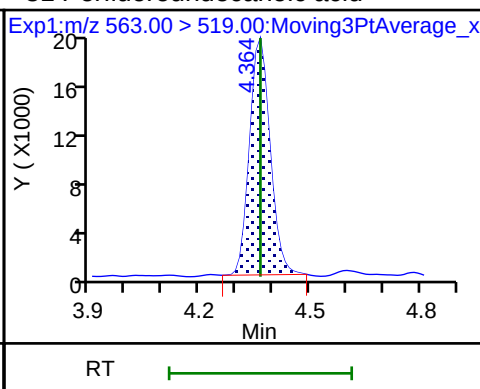
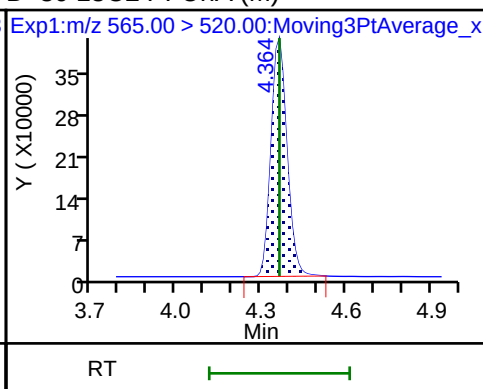
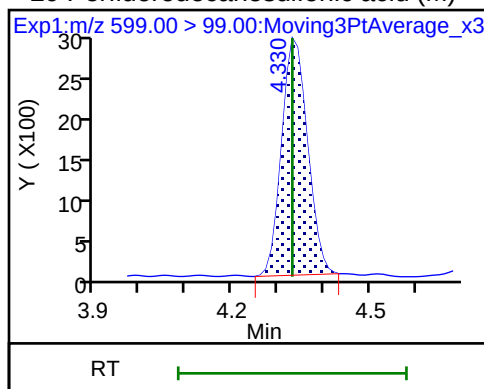
29 Perfluorodecanesulfonic acid



29 Perfluorodecanesulfonic acid (M)

D 30 13C2 PFUnA (M)

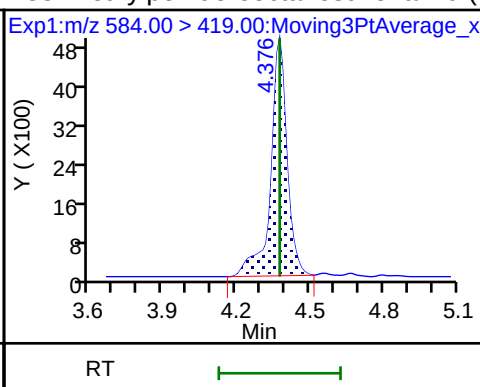
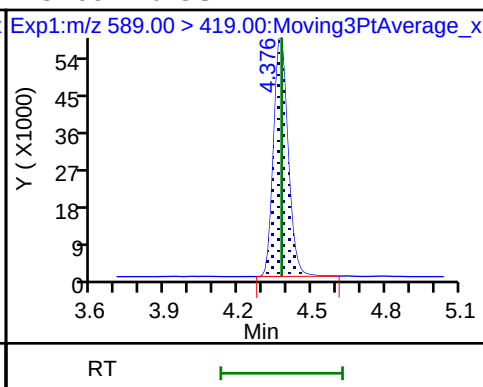
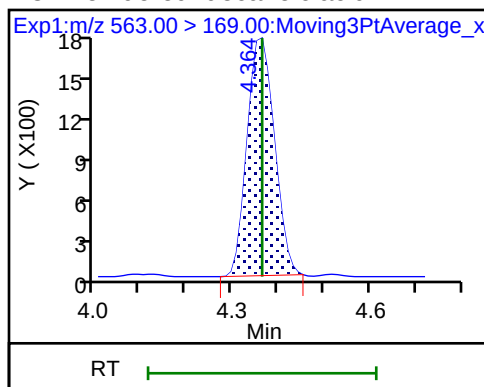
31 Perfluoroundecanoic acid



31 Perfluoroundecanoic acid

D 32 d5-NEtFOSAA

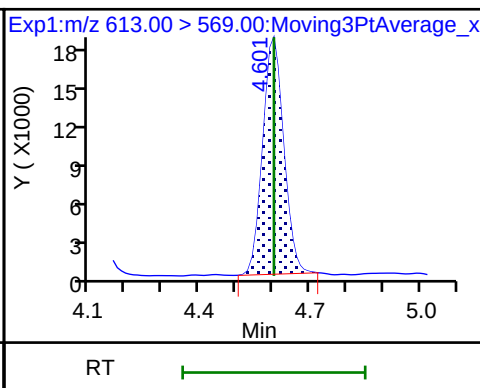
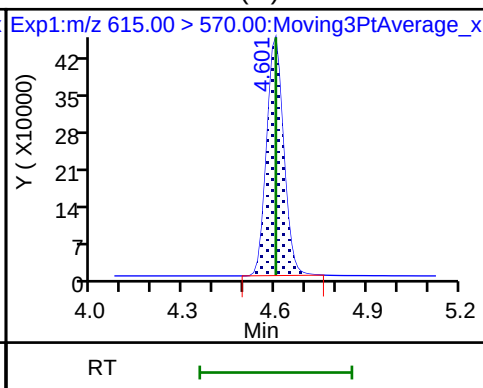
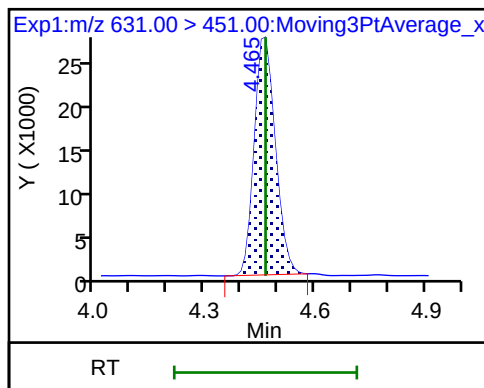
33 N-ethylperfluorooctanesulfonamid (M)

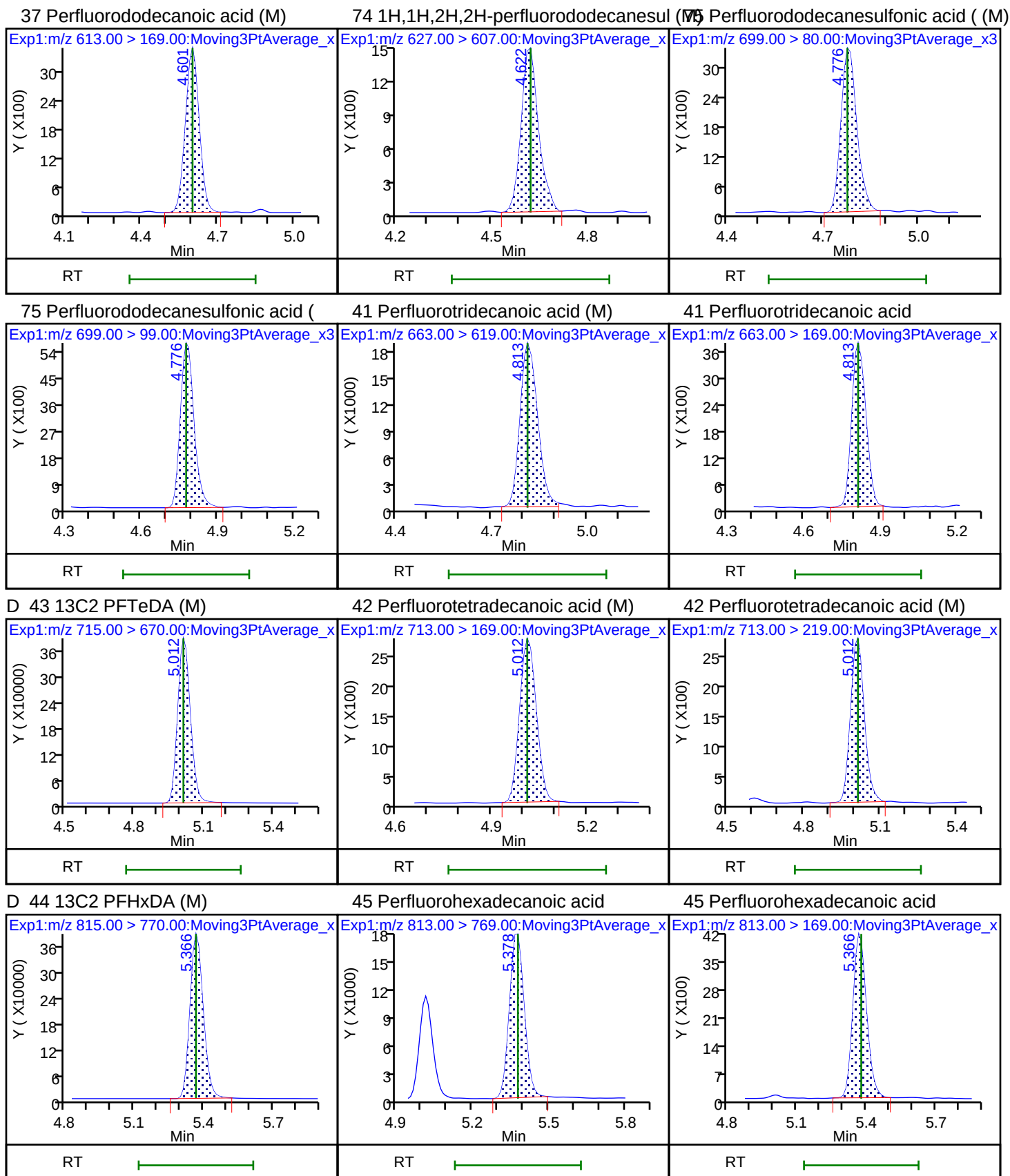


66 11-Chloroeicosafluoro-3-oxaundec

D 36 13C2 PFDa (M)

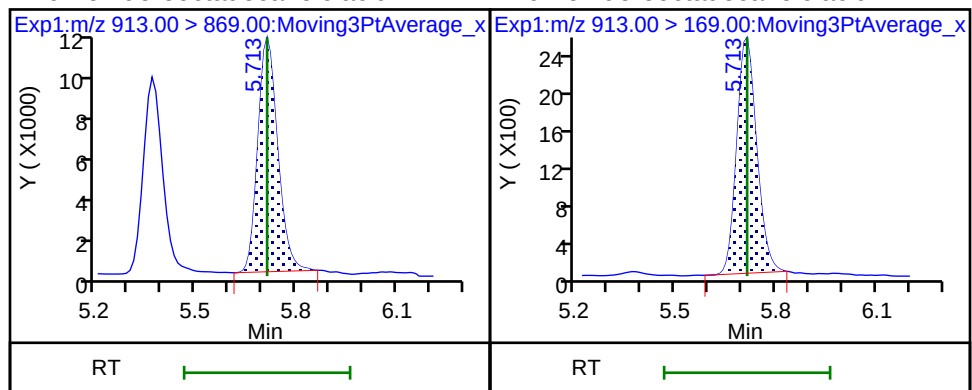
37 Perfluorododecanoic acid





46 Perfluorooctadecanoic acid

46 Perfluorooctadecanoic acid



Eurofins Burlington

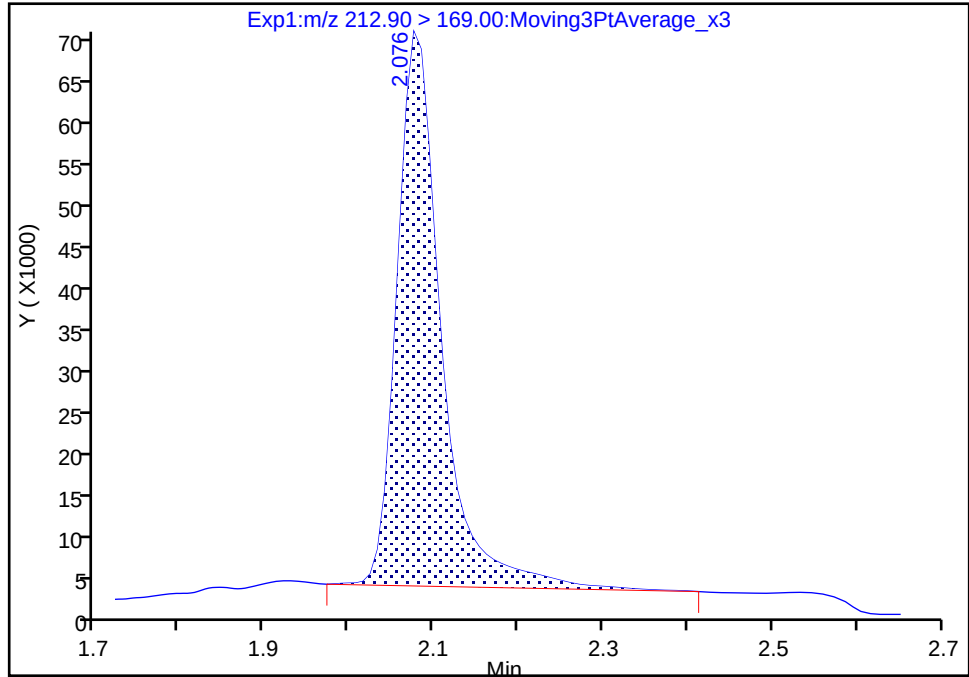
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A06.d
Injection Date: 11-Aug-2022 14:42:14 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

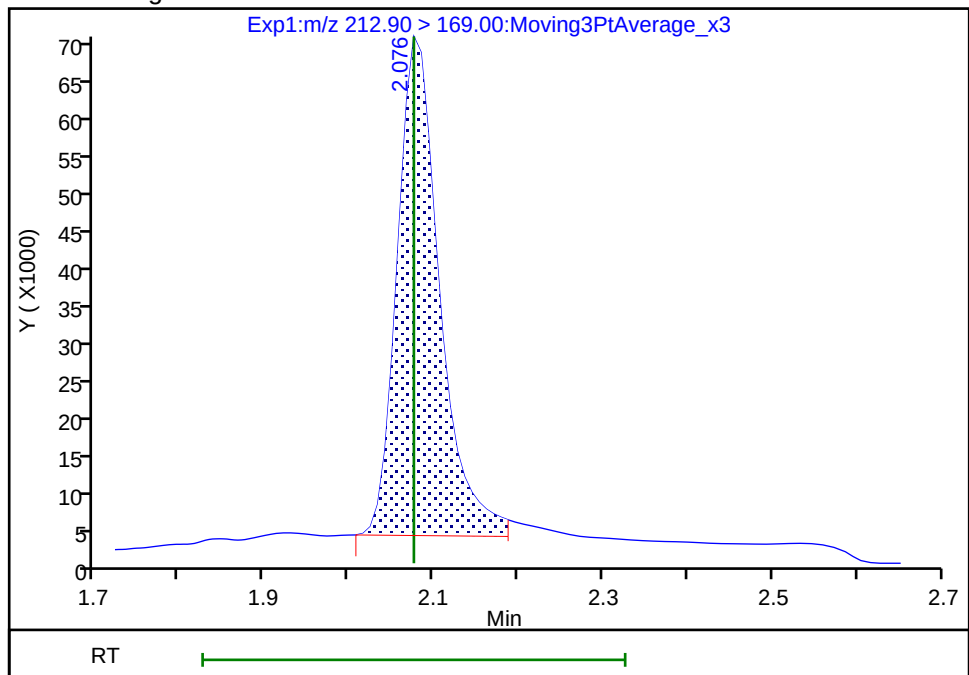
RT: 2.08
Area: 246168
Amount: 0.136845
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 233263
Amount: 0.129671
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 12-Aug-2022 08:59:45

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

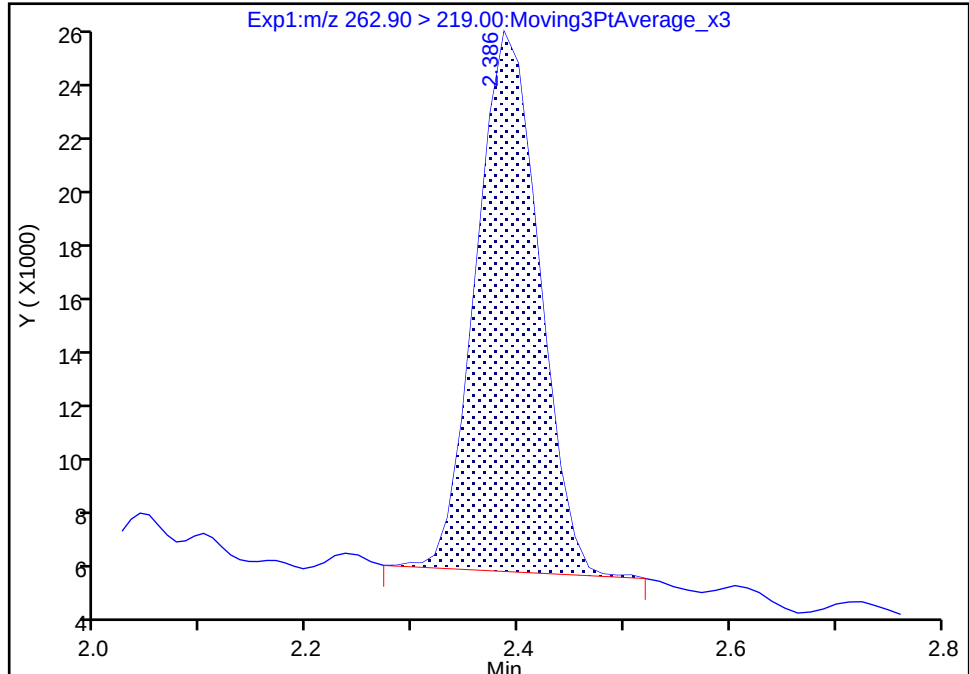
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A06.d
Injection Date: 11-Aug-2022 14:42:14 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

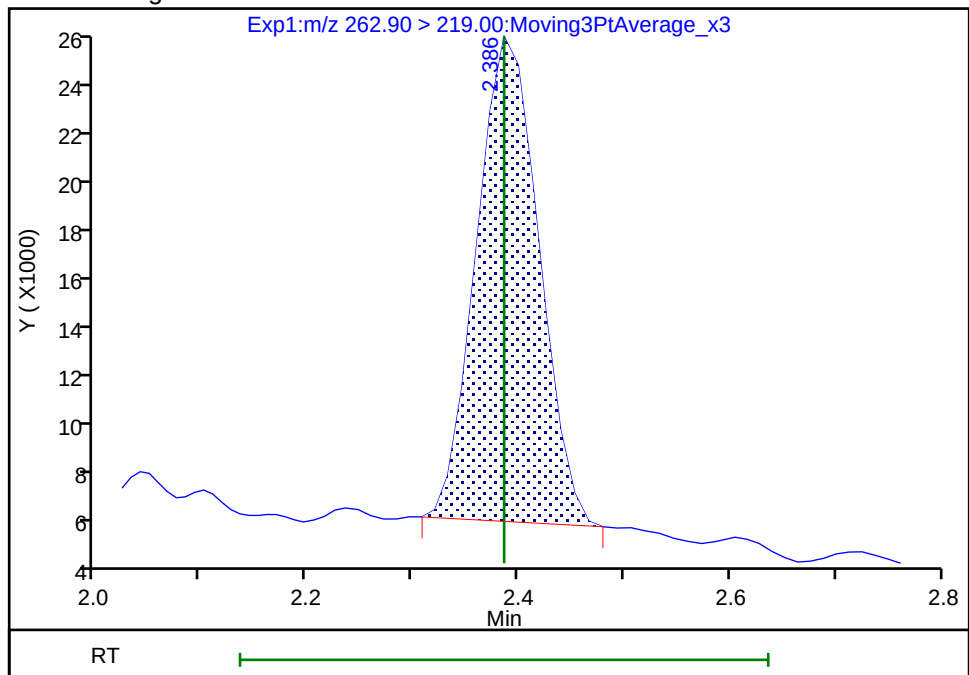
RT: 2.39
Area: 80175
Amount: 0.053126
Amount Units: ng/ml

Processing Integration Results



RT: 2.39
Area: 78630
Amount: 0.052102
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 12-Aug-2022 08:59:51

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

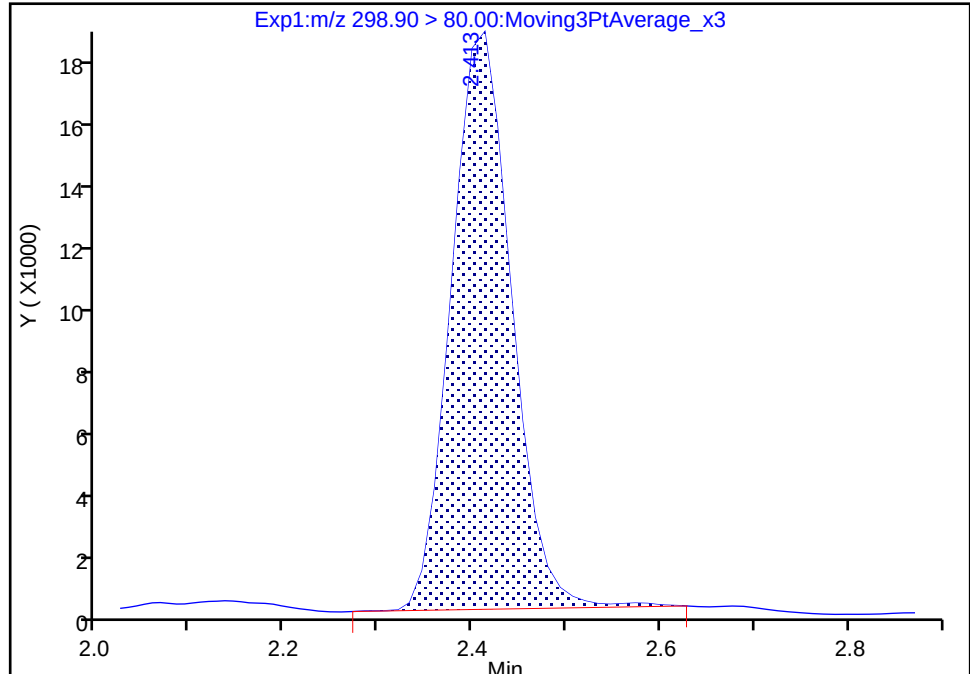
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A06.d
Injection Date: 11-Aug-2022 14:42:14 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

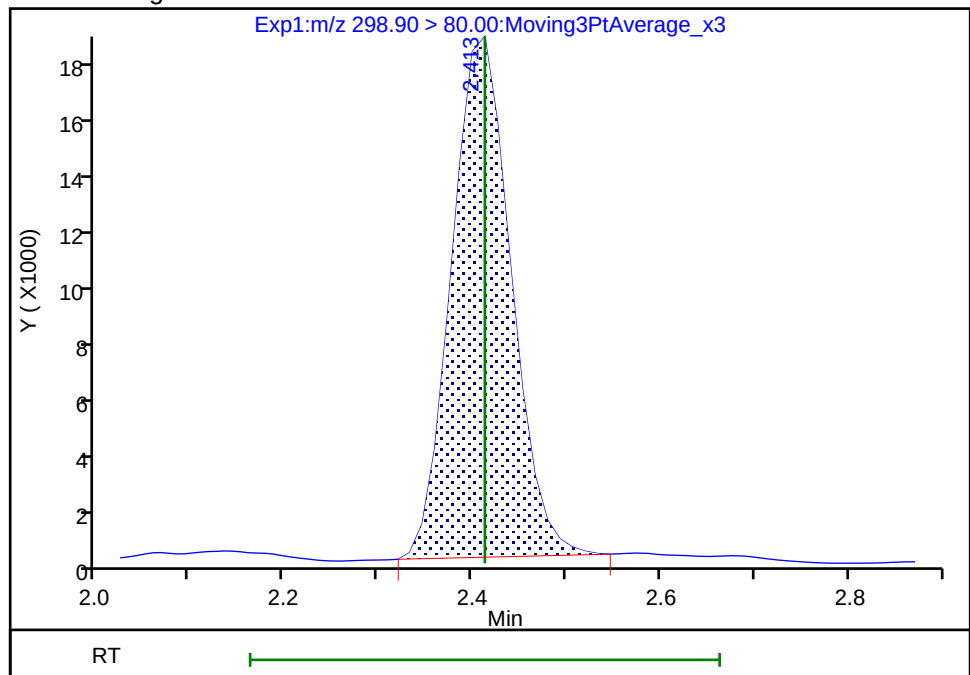
RT: 2.41
Area: 81626
Amount: 0.045393
Amount Units: ng/ml

Processing Integration Results



RT: 2.41
Area: 80464
Amount: 0.044747
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 12-Aug-2022 09:00:21

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

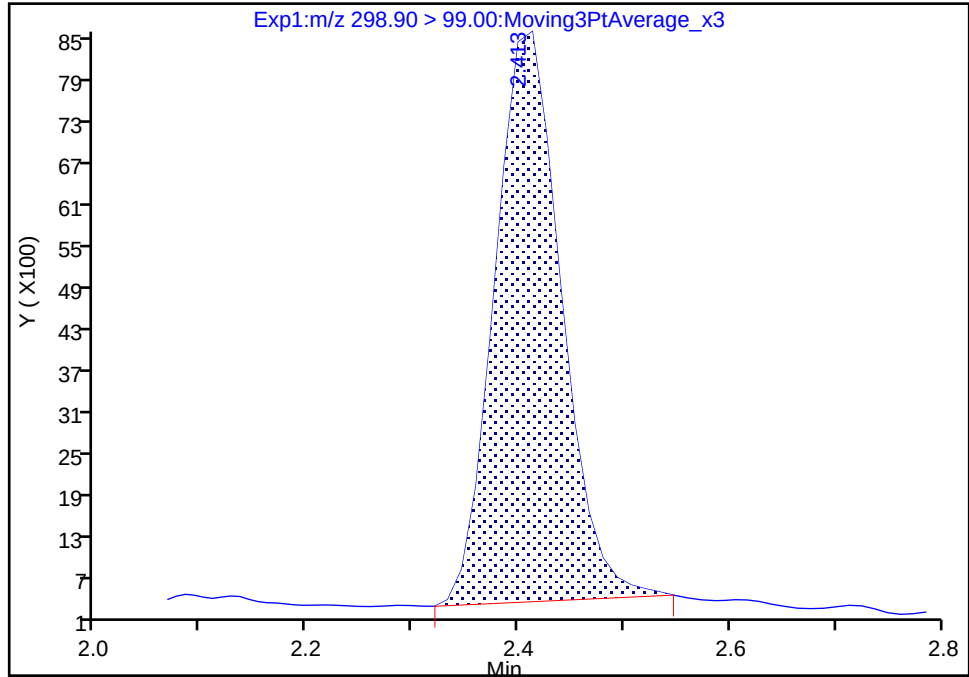
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A06.d
Injection Date: 11-Aug-2022 14:42:14 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

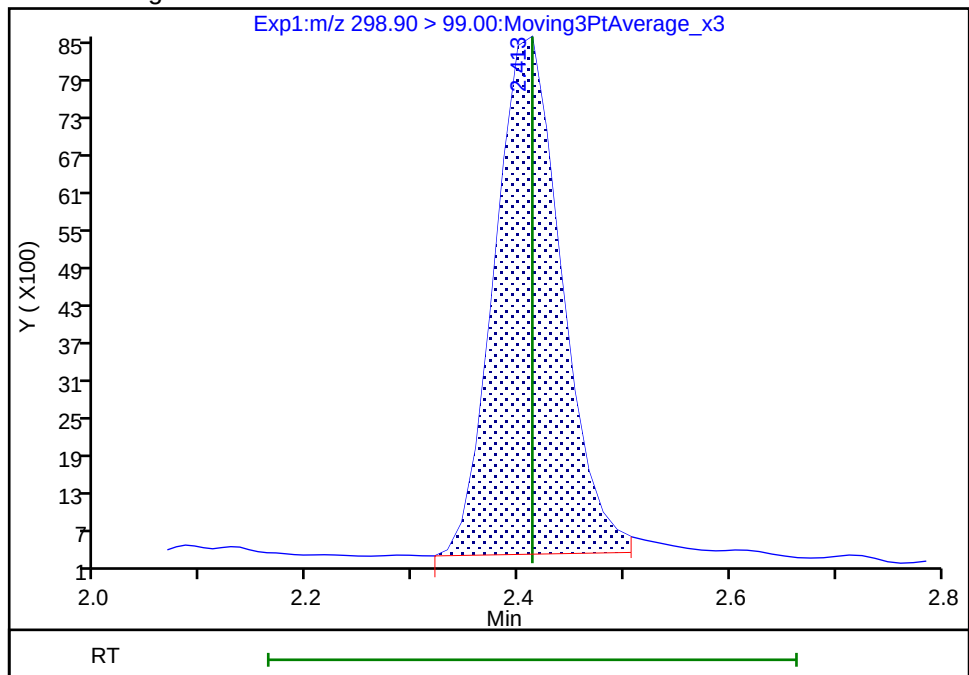
RT: 2.41
Area: 36096
Amount: 0.045393
Amount Units: ng/ml

Processing Integration Results



RT: 2.41
Area: 36319
Amount: 0.044747
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 12-Aug-2022 09:00:28

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

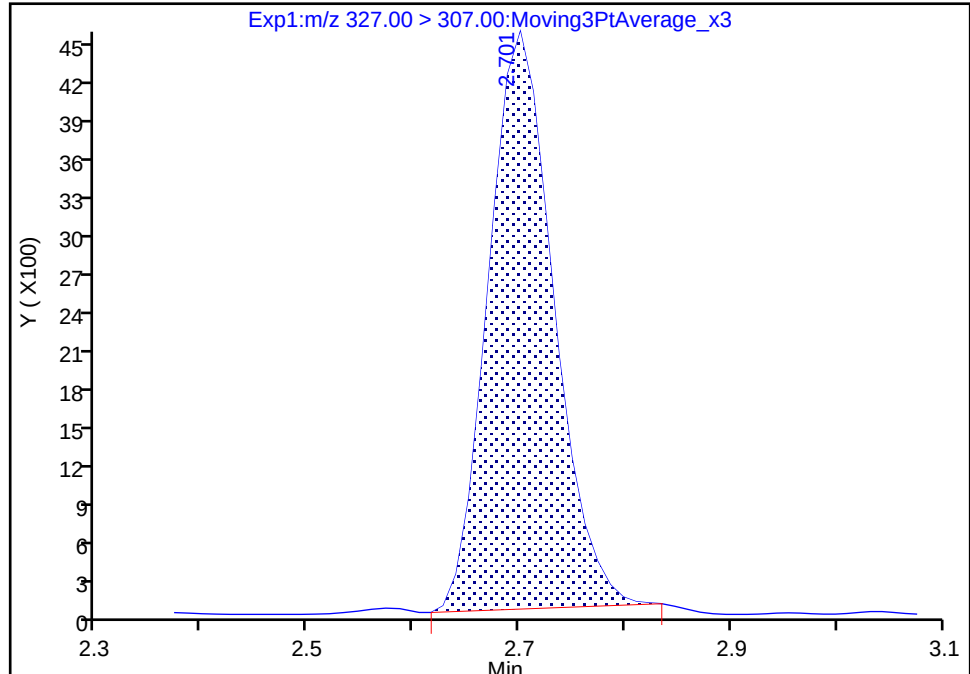
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A06.d
Injection Date: 11-Aug-2022 14:42:14 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

61 1H,1H,2H,2H-perfluorohexanesulfo, CAS: 757124-72-4

Signal: 1

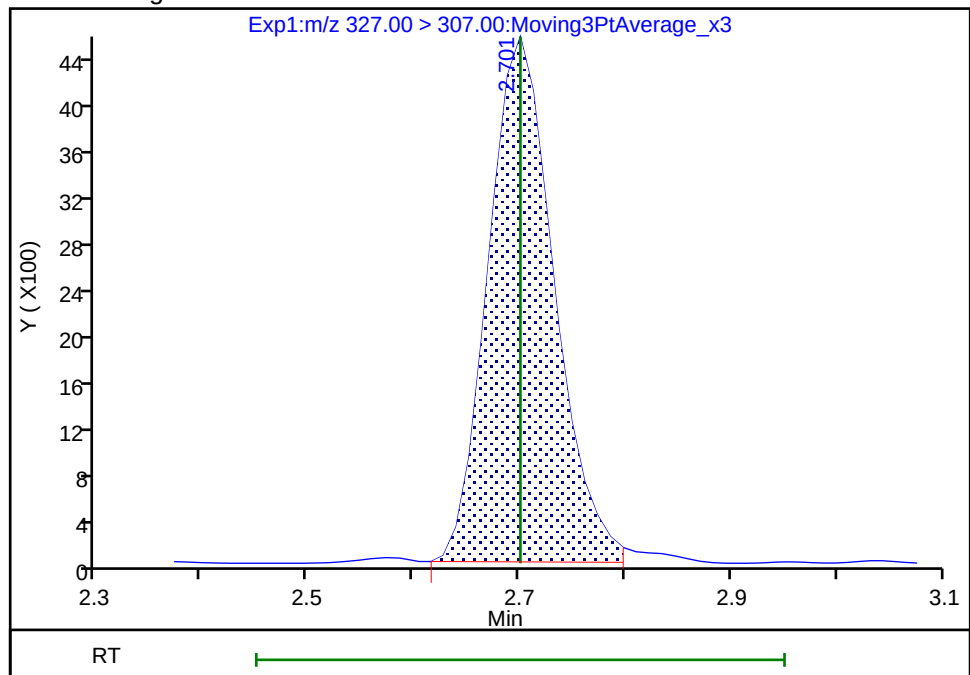
RT: 2.70
Area: 19497
Amount: 0.055355
Amount Units: ng/ml

Processing Integration Results



RT: 2.70
Area: 19801
Amount: 0.056218
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 07:59:18
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

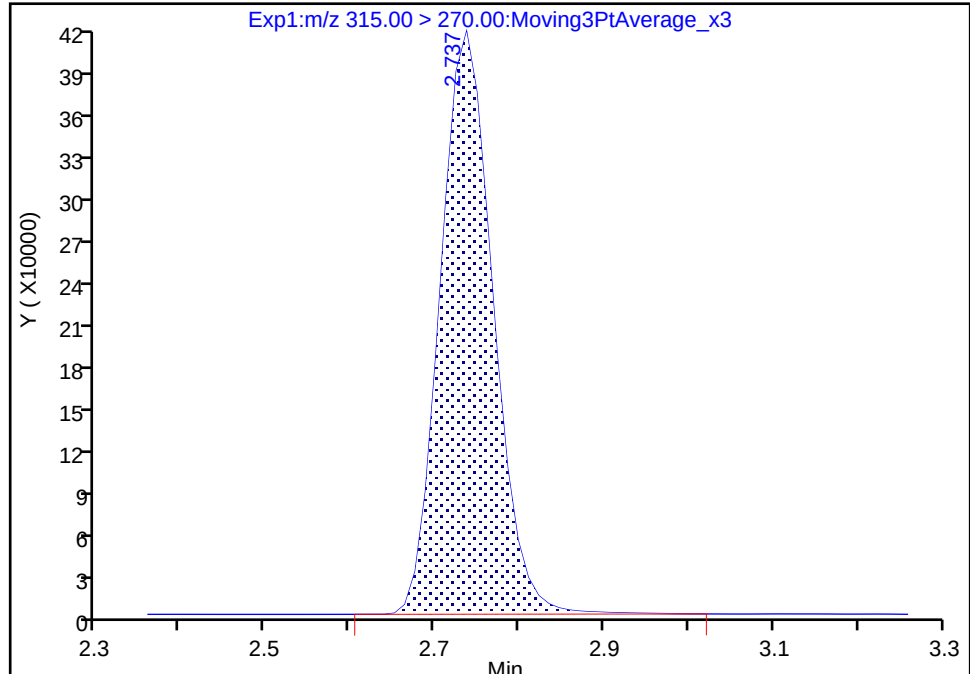
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A06.d
Injection Date: 11-Aug-2022 14:42:14 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 7 13C2 PFHxA, CAS: STL00993

Signal: 1

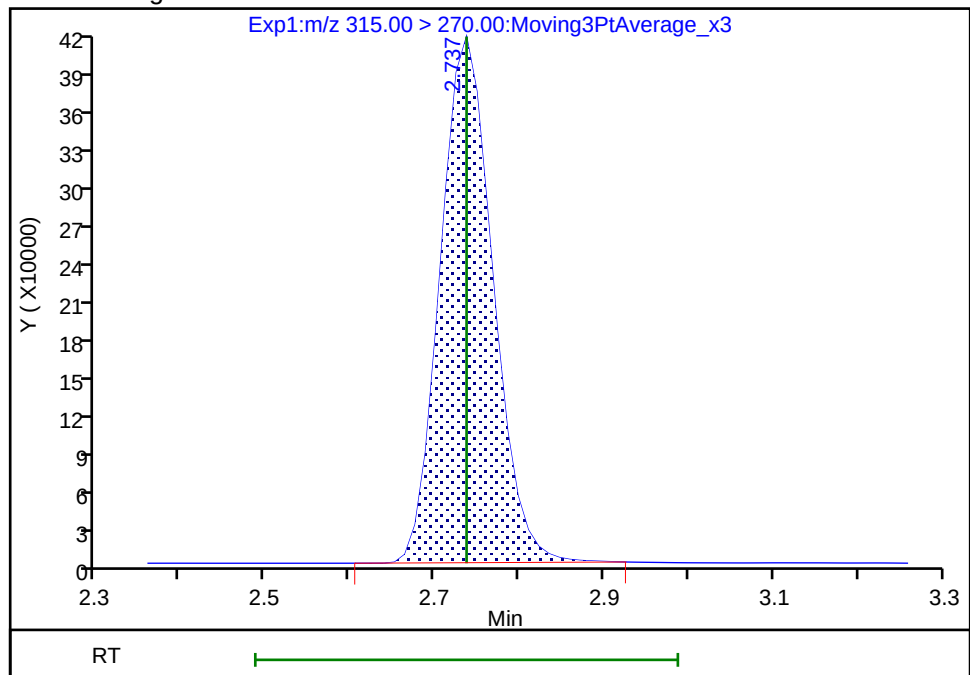
RT: 2.74
Area: 1799850
Amount: 1.168090
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 1790869
Amount: 1.162262
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 07:59:31

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

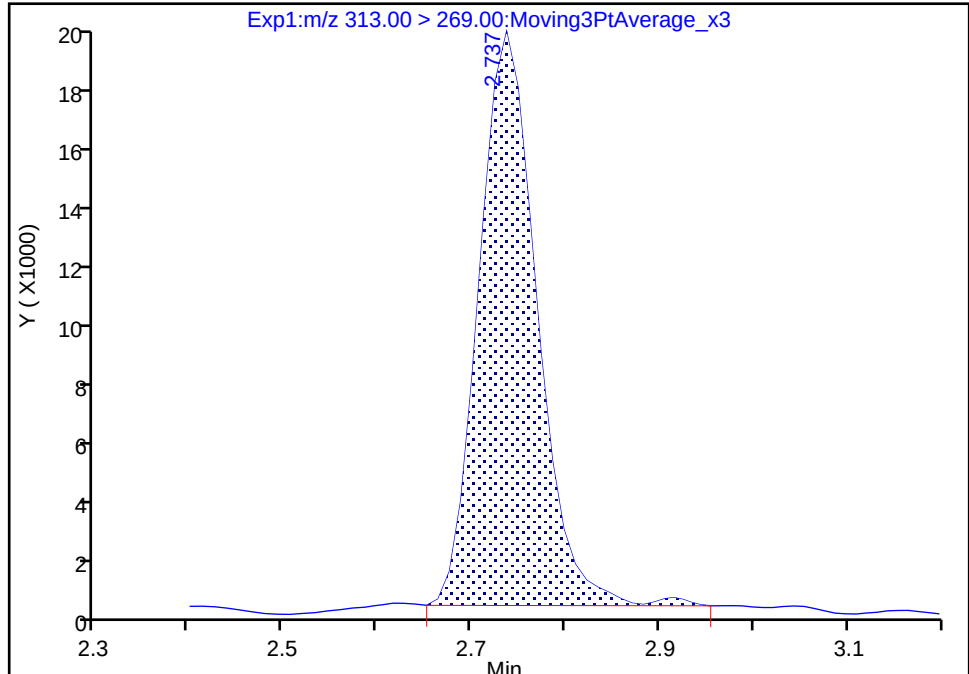
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A06.d
Injection Date: 11-Aug-2022 14:42:14 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

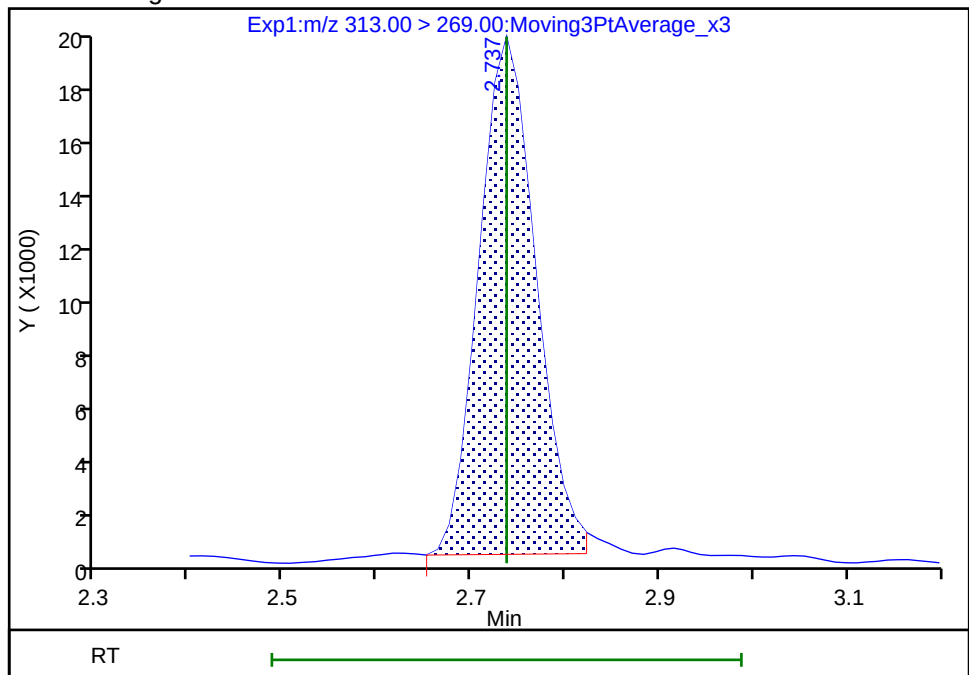
RT: 2.74
Area: 79288
Amount: 0.052772
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 77136
Amount: 0.051597
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 07:59:26
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

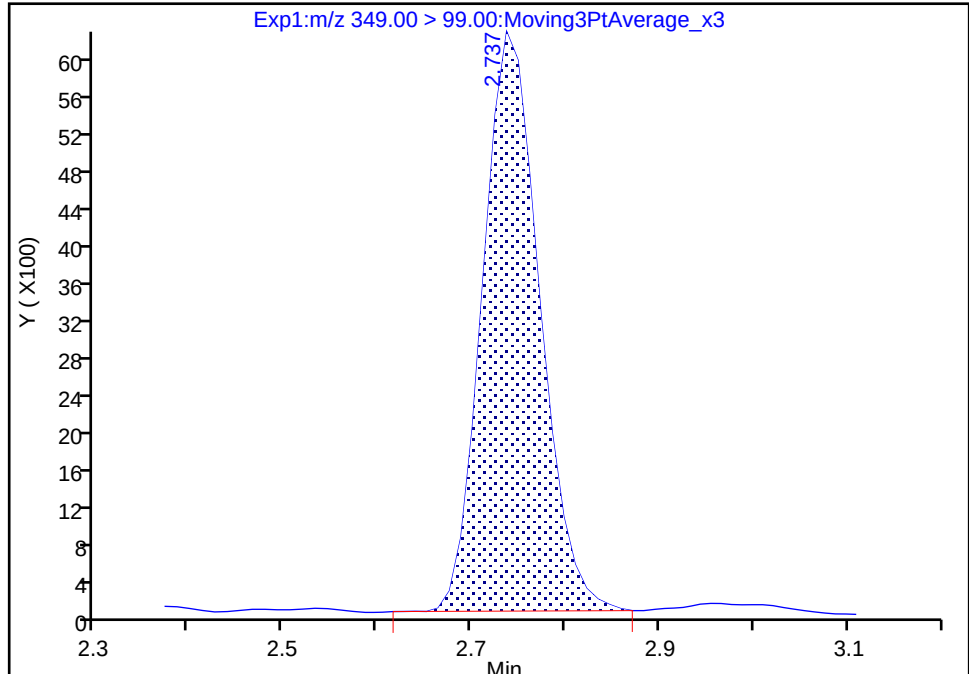
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A06.d
Injection Date: 11-Aug-2022 14:42:14 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 2

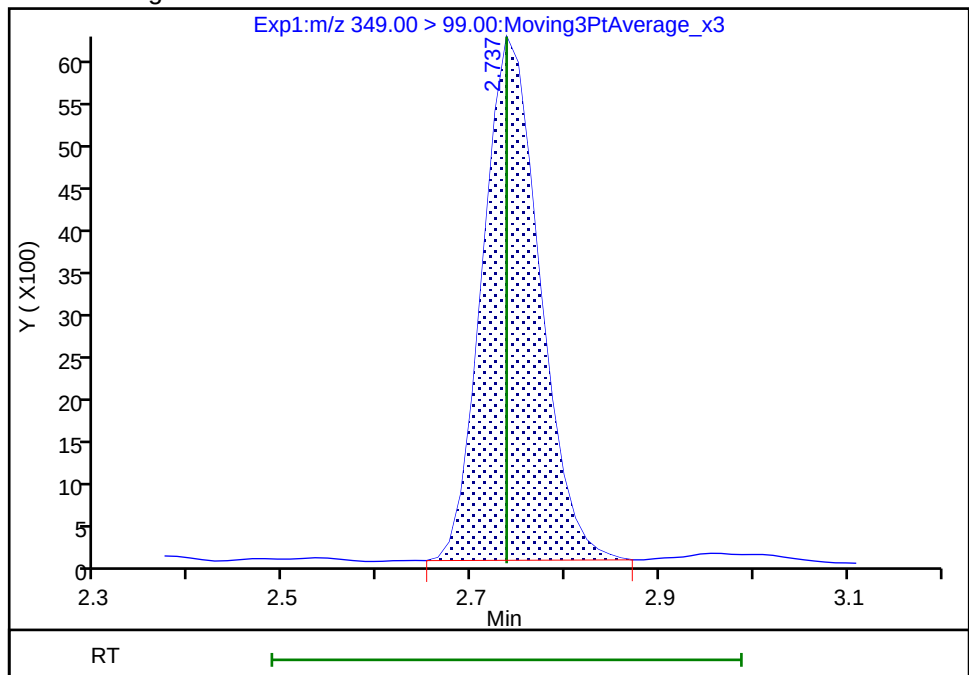
RT: 2.74
Area: 26063
Amount: 0.049208
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 26064
Amount: 0.049208
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 12-Aug-2022 09:00:43

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

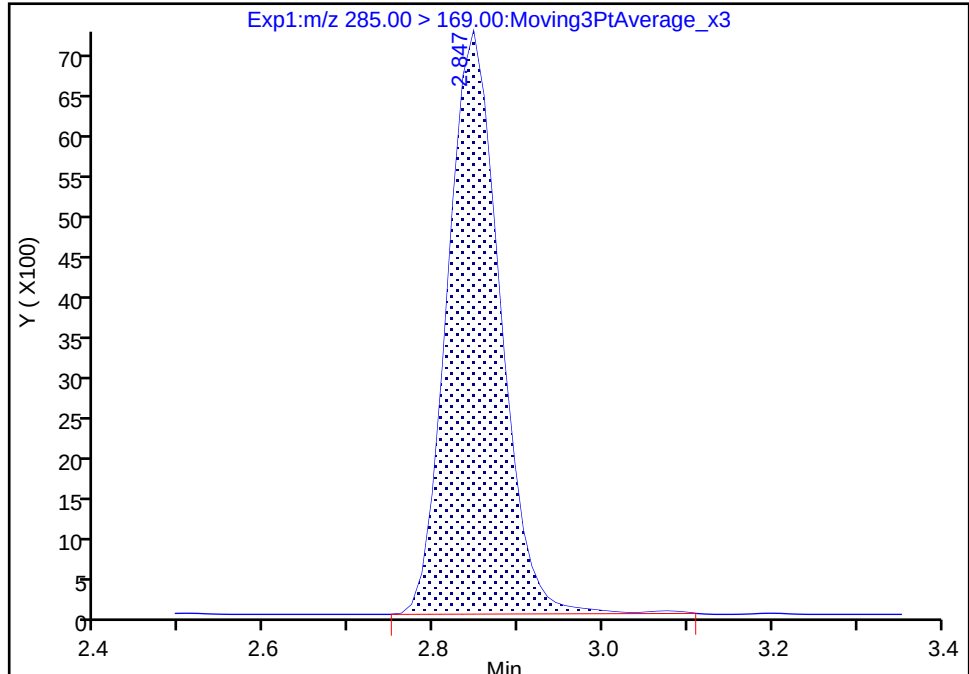
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A06.d
Injection Date: 11-Aug-2022 14:42:14 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

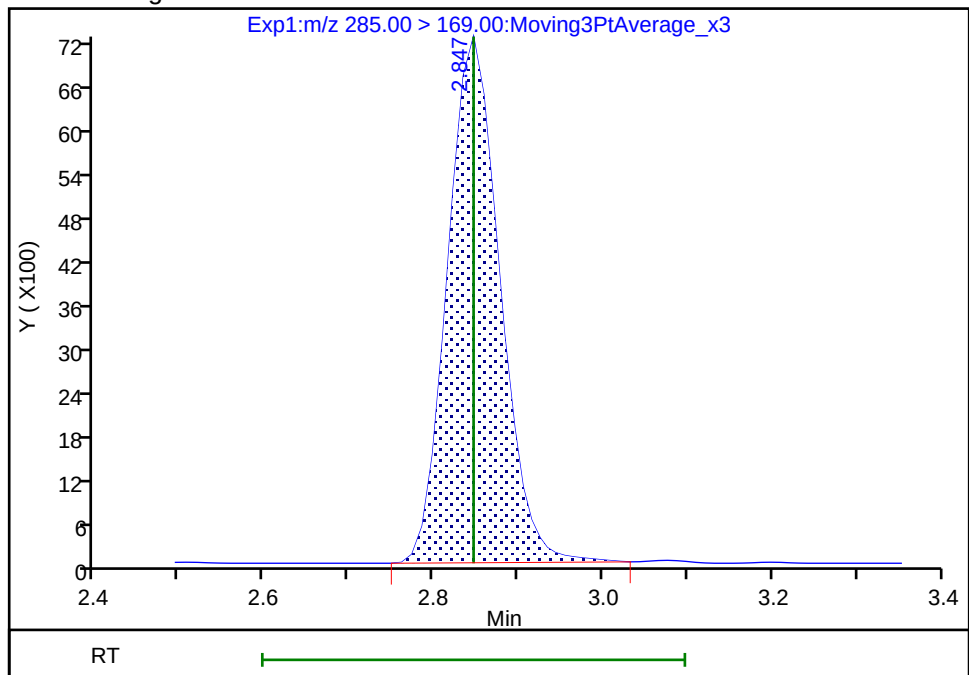
RT: 2.85
Area: 31097
Amount: 0.107917
Amount Units: ng/ml

Processing Integration Results



RT: 2.85
Area: 30931
Amount: 0.107341
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 12-Aug-2022 09:00:48

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A06.d

Injection Date: 11-Aug-2022 14:42:14

Instrument ID: LC812

Lims ID: CCVLIS

Client ID:

Operator ID: lc812tech

ALS Bottle#:

4

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)

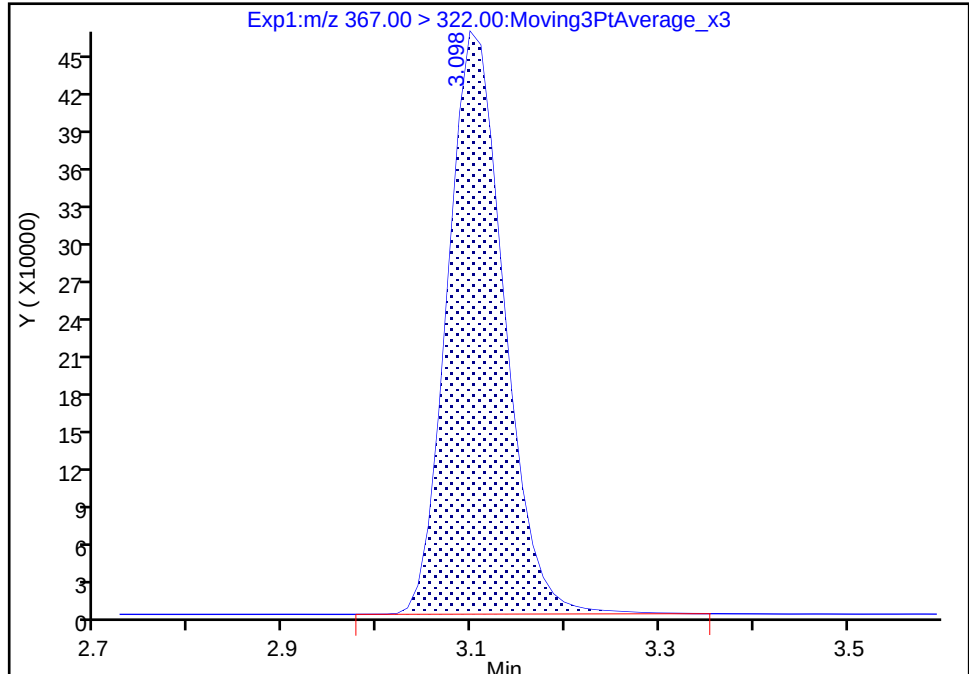
Detector: EXP1

D 9 13C4 PFHpA, CAS: STL01892

Signal: 1

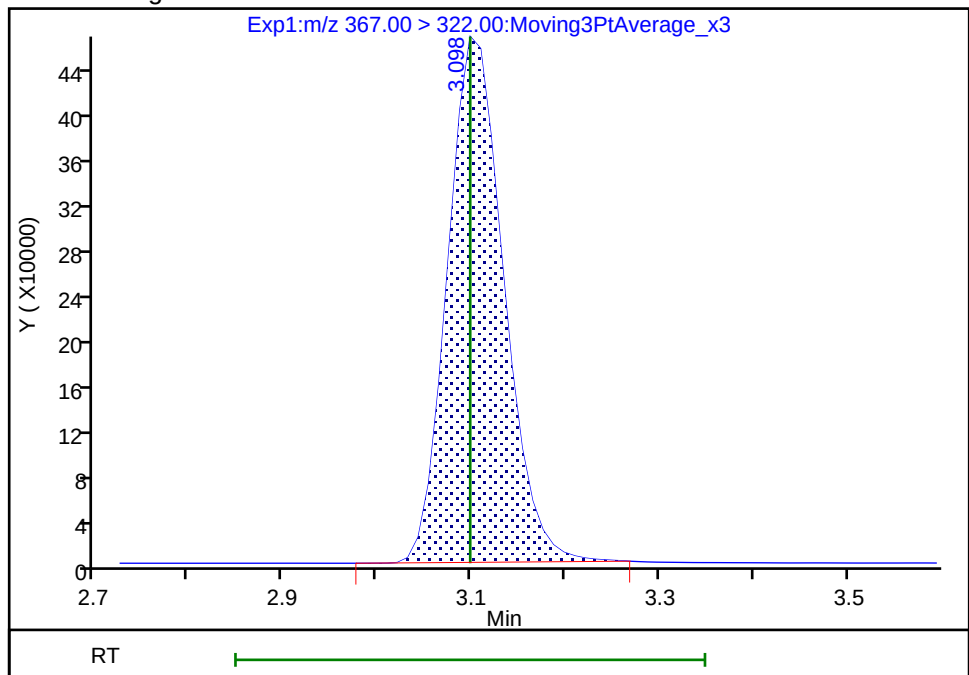
RT: 3.10
Area: 1927742
Amount: 1.206164
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 1913568
Amount: 1.197296
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 07:59:44

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

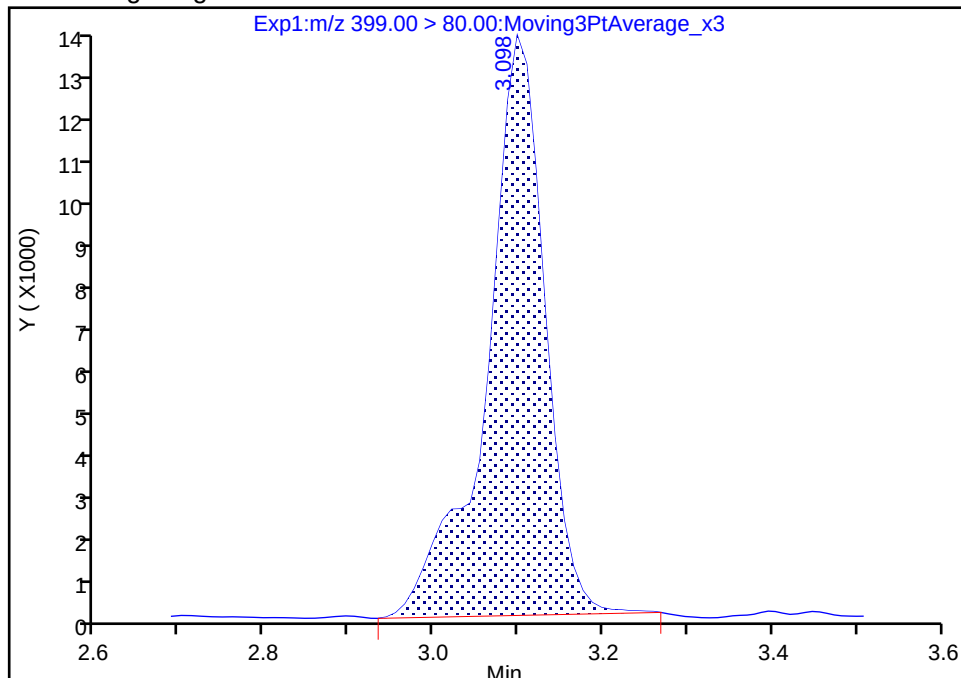
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A06.d
Injection Date: 11-Aug-2022 14:42:14 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

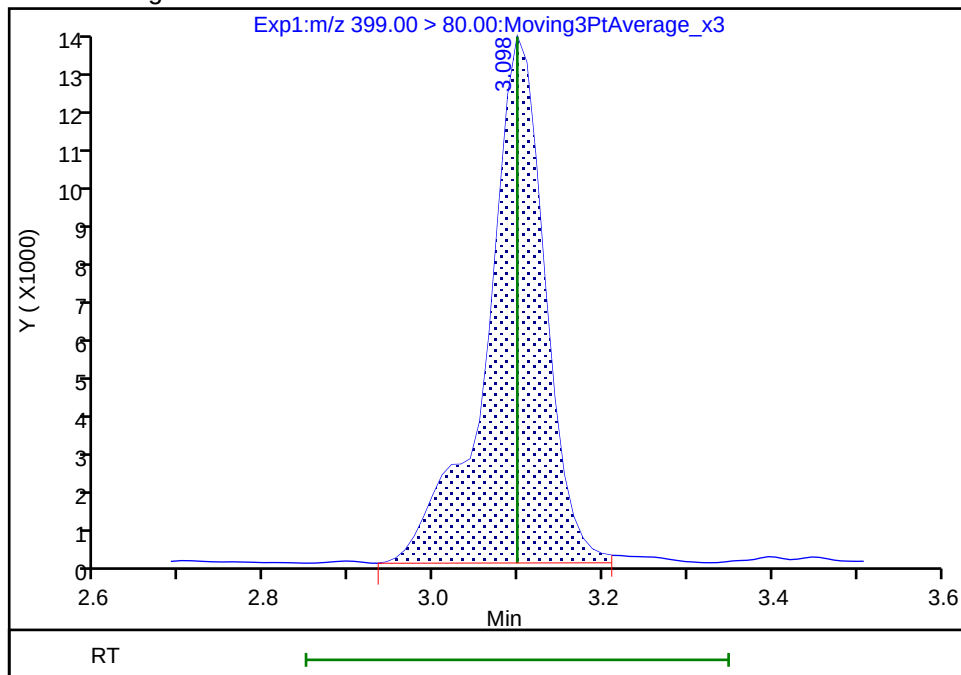
RT: 3.10
Area: 65101
Amount: 0.049587
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 65788
Amount: 0.050110
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 12-Aug-2022 09:00:59

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

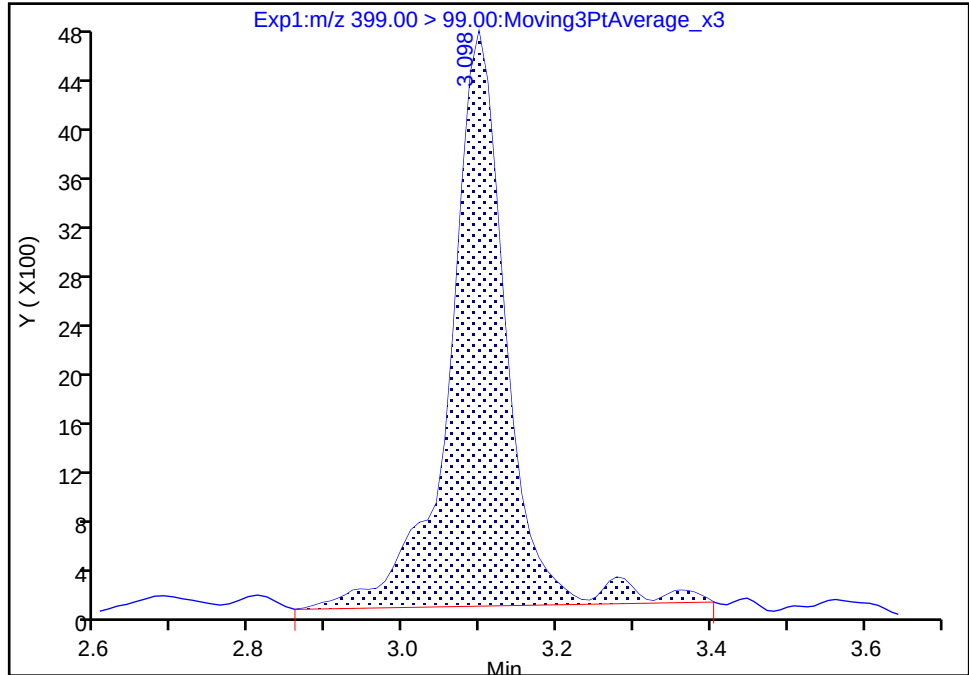
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A06.d
Injection Date: 11-Aug-2022 14:42:14 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

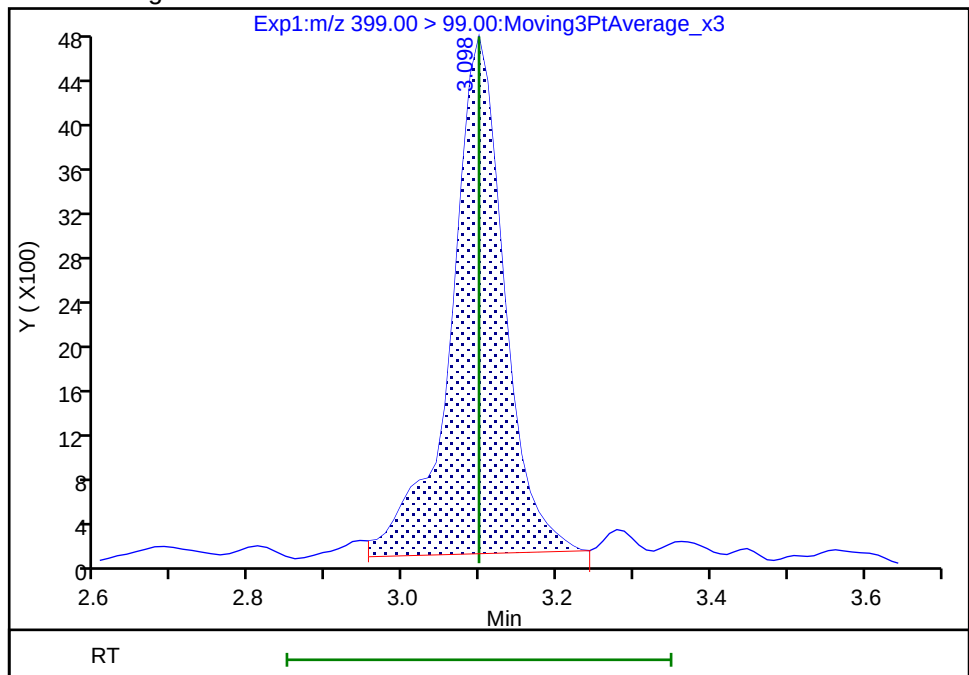
RT: 3.10
Area: 24176
Amount: 0.049587
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 22519
Amount: 0.050110
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 12-Aug-2022 09:01:12

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

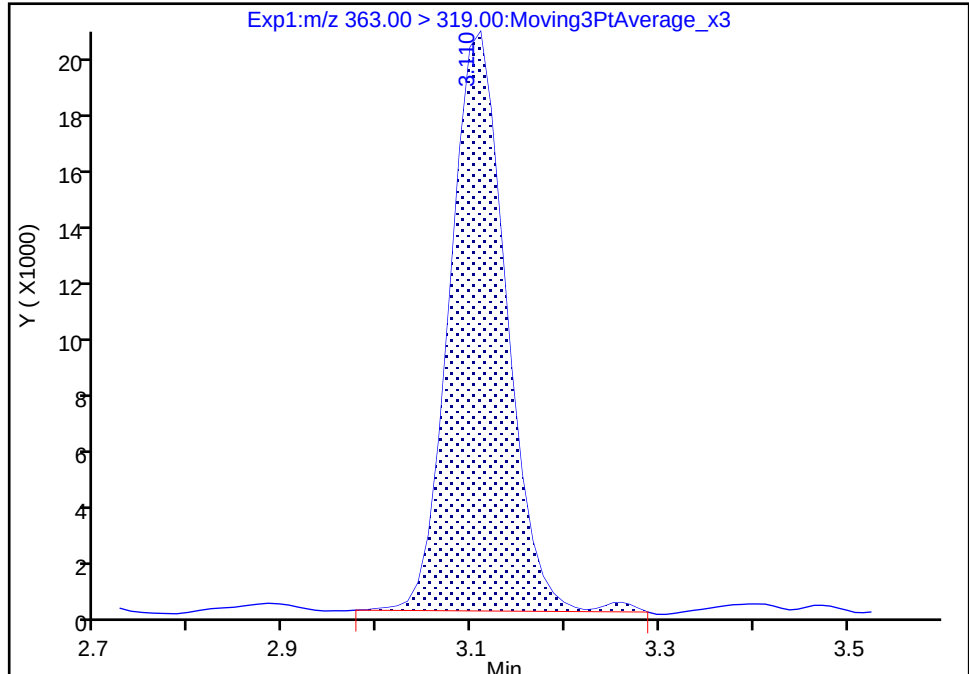
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A06.d
Injection Date: 11-Aug-2022 14:42:14 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

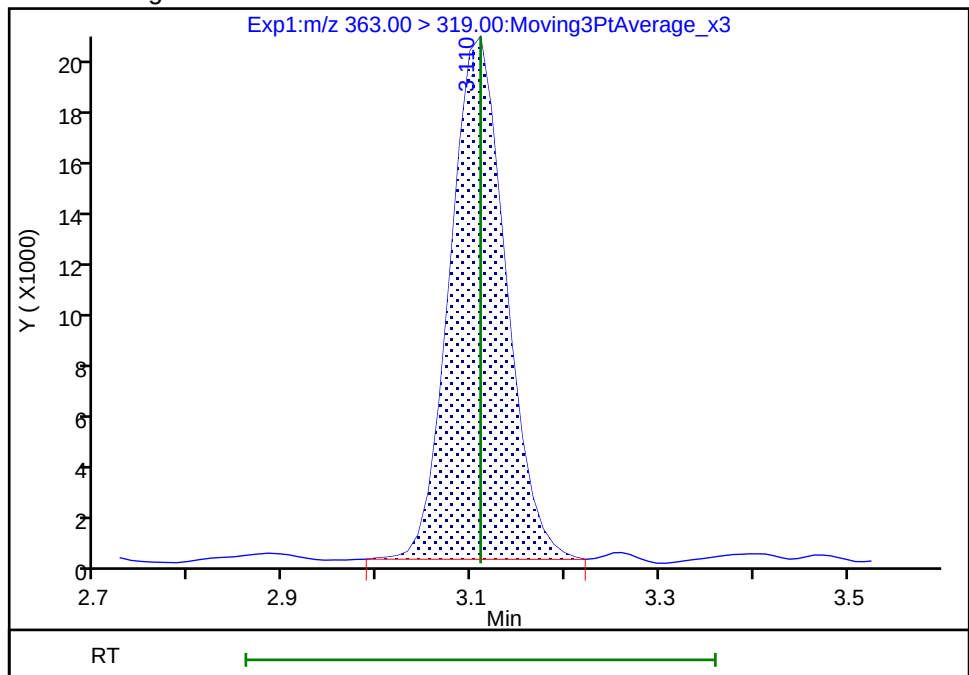
RT: 3.11
Area: 84561
Amount: 0.053204
Amount Units: ng/ml

Processing Integration Results



RT: 3.11
Area: 83365
Amount: 0.052840
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 12-Aug-2022 09:01:20

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

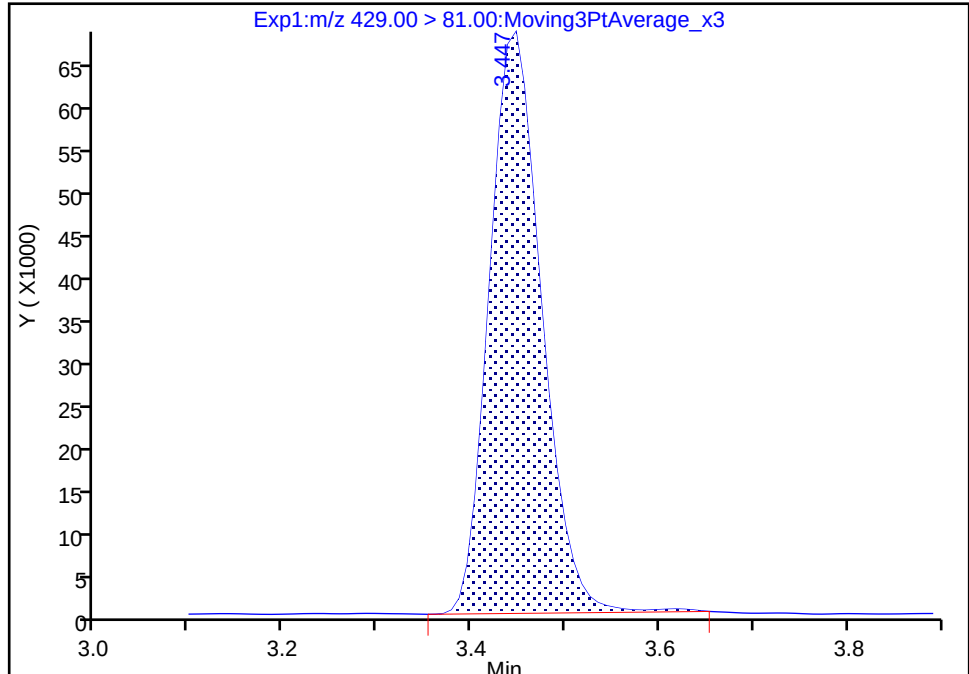
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A06.d
Injection Date: 11-Aug-2022 14:42:14 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

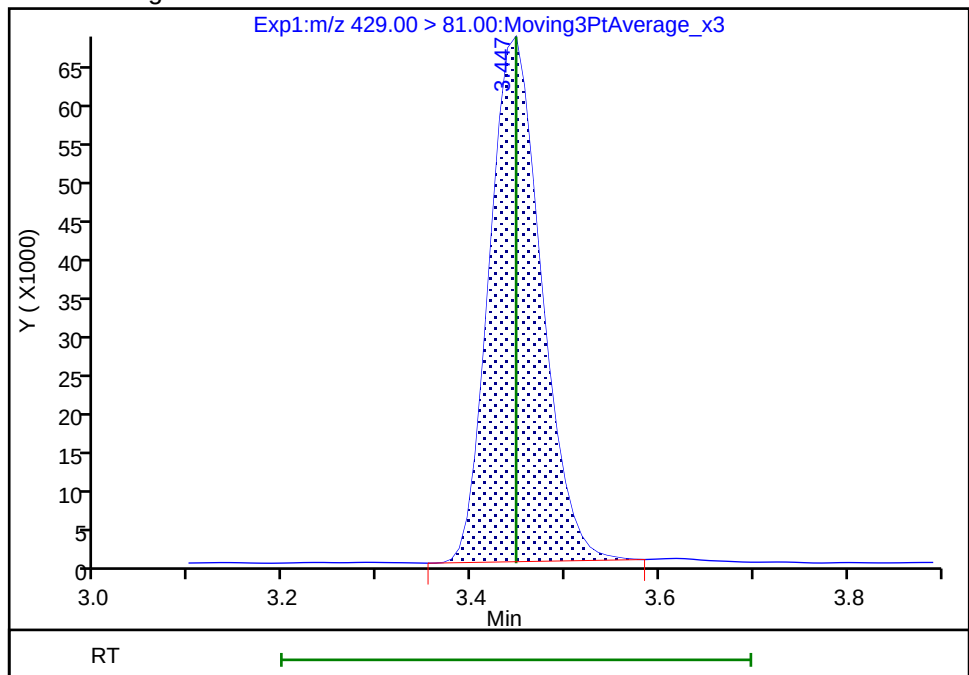
RT: 3.45
Area: 263453
Amount: 1.253274
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 261028
Amount: 1.241738
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 12-Aug-2022 08:59:06
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

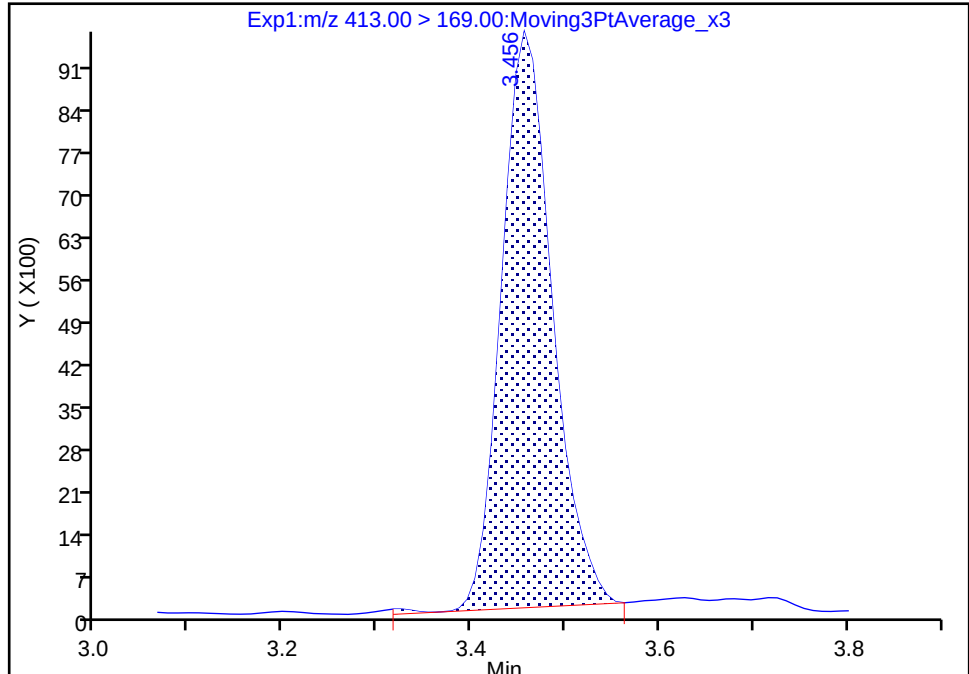
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A06.d
Injection Date: 11-Aug-2022 14:42:14 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

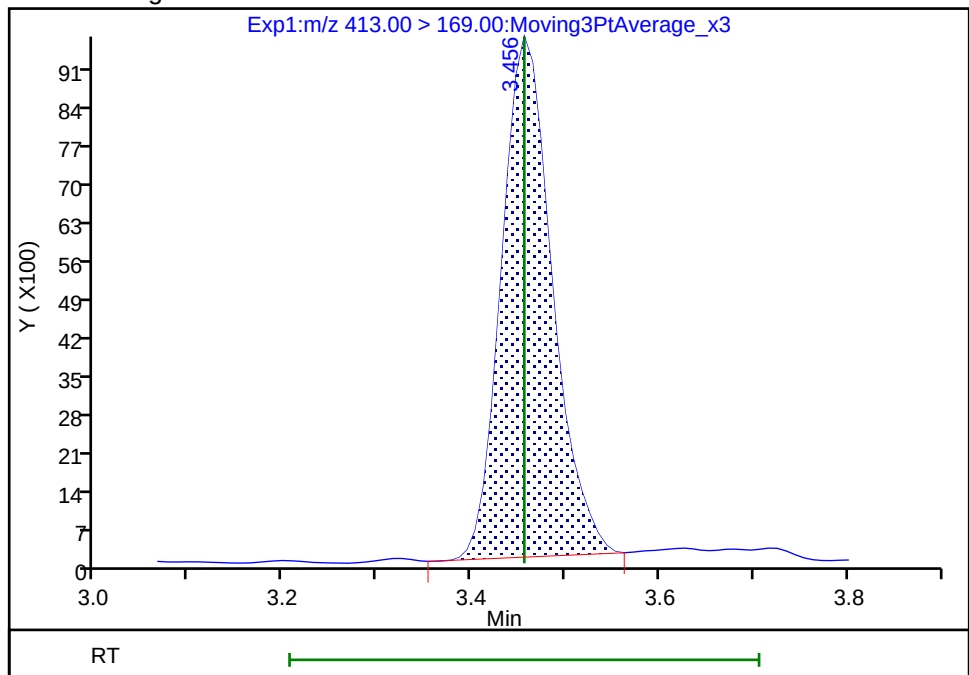
RT: 3.46
Area: 35700
Amount: 0.049715
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 35554
Amount: 0.049715
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 12-Aug-2022 09:01:34
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

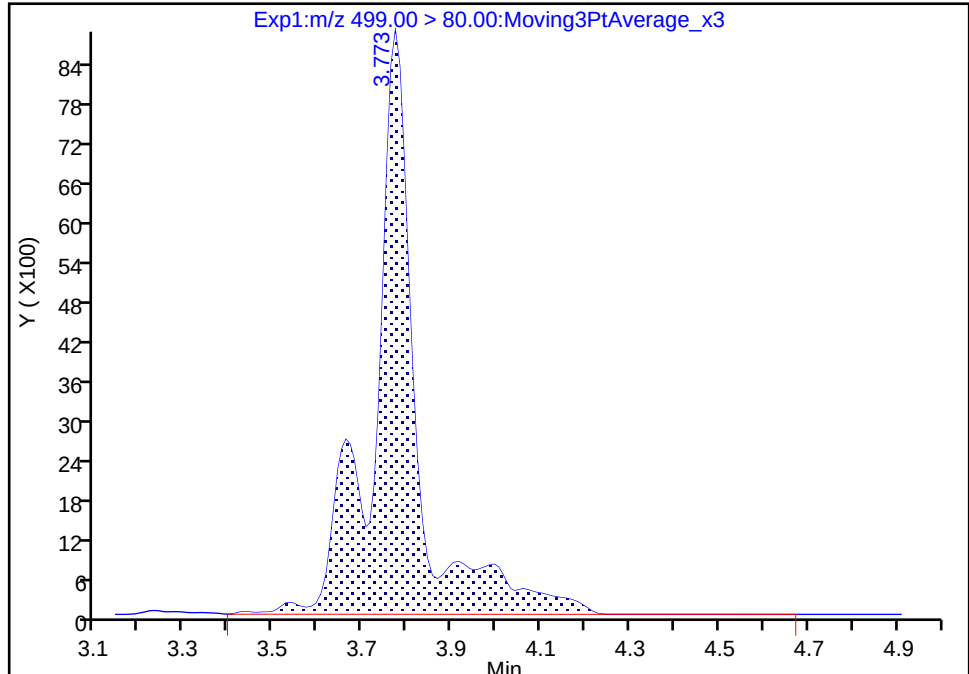
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A06.d
Injection Date: 11-Aug-2022 14:42:14 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

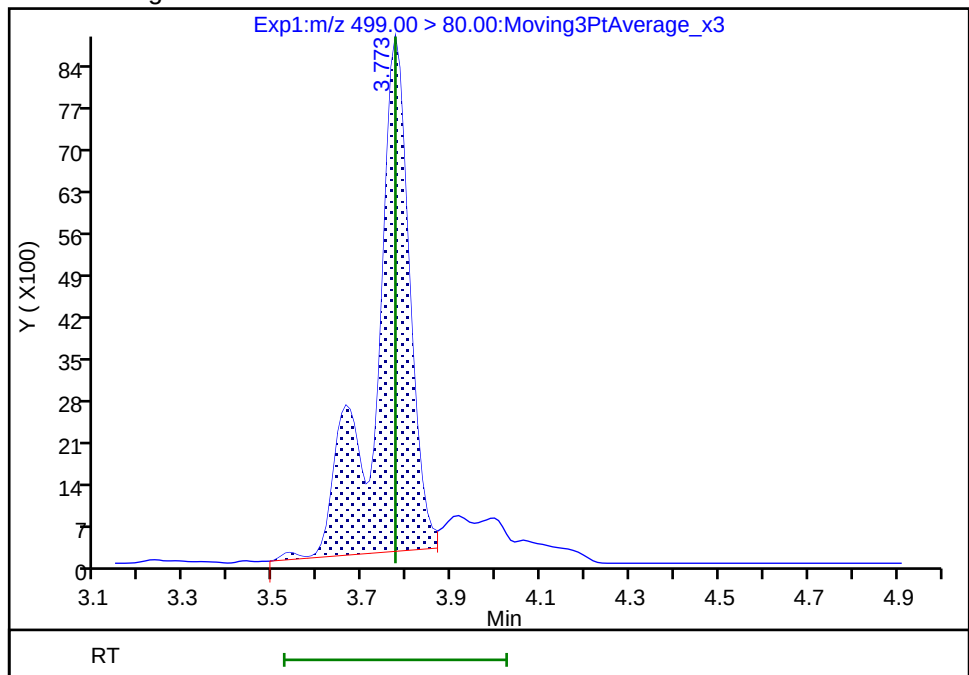
RT: 3.77
Area: 60074
Amount: 0.048482
Amount Units: ng/ml

Processing Integration Results



RT: 3.77
Area: 46928
Amount: 0.033830
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 12-Aug-2022 09:01:46

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

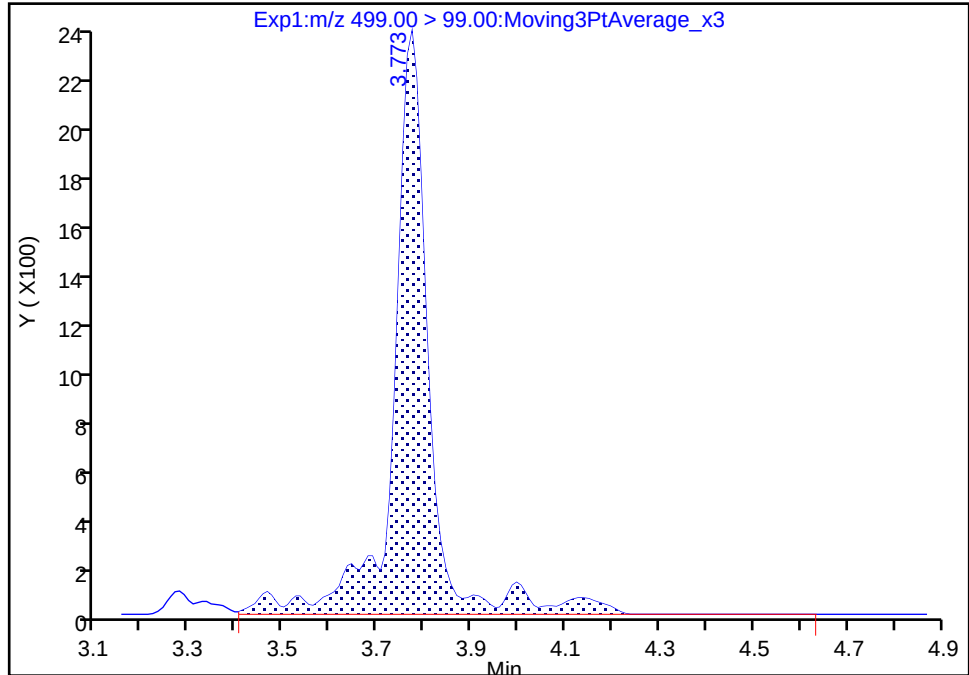
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A06.d
Injection Date: 11-Aug-2022 14:42:14 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

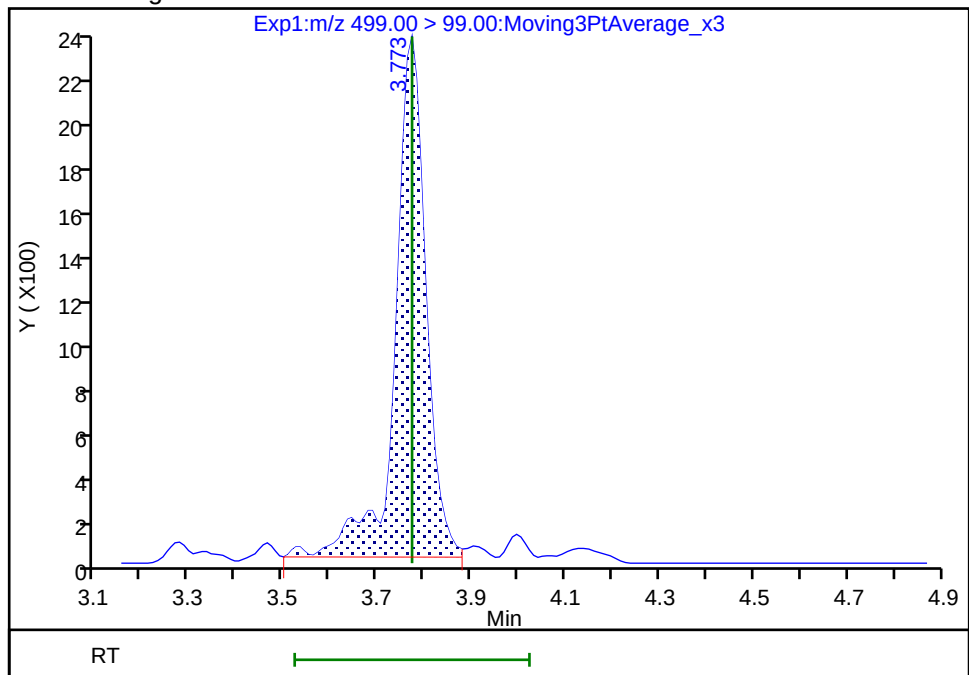
RT: 3.77
Area: 12610
Amount: 0.048482
Amount Units: ng/ml

Processing Integration Results



RT: 3.77
Area: 10584
Amount: 0.033830
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 12-Aug-2022 09:02:34

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

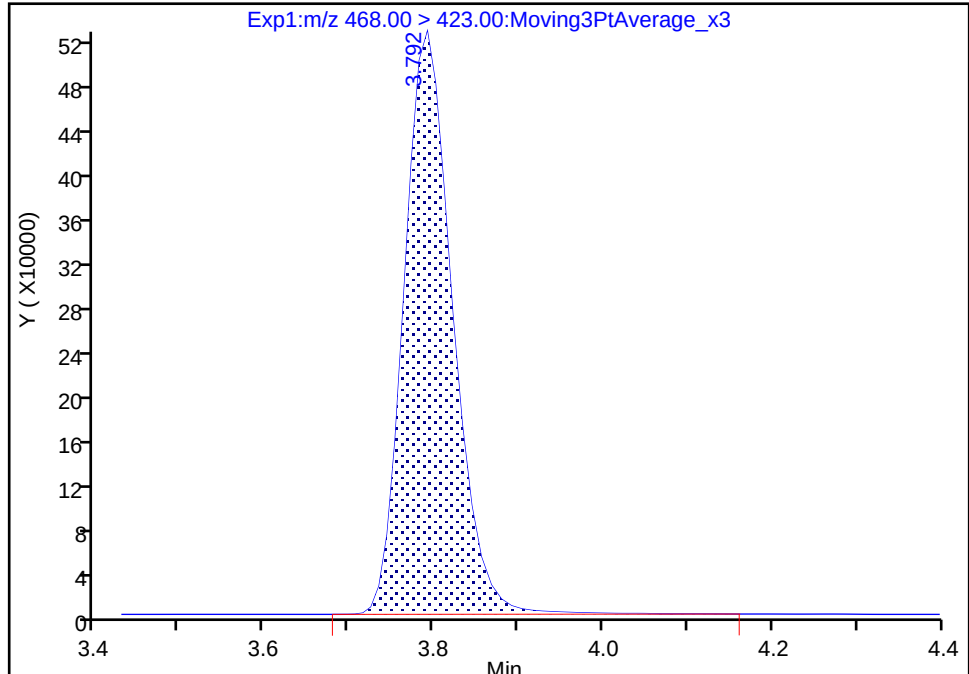
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A06.d
Injection Date: 11-Aug-2022 14:42:14 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 19 13C5 PFNA, CAS: STL00995

Signal: 1

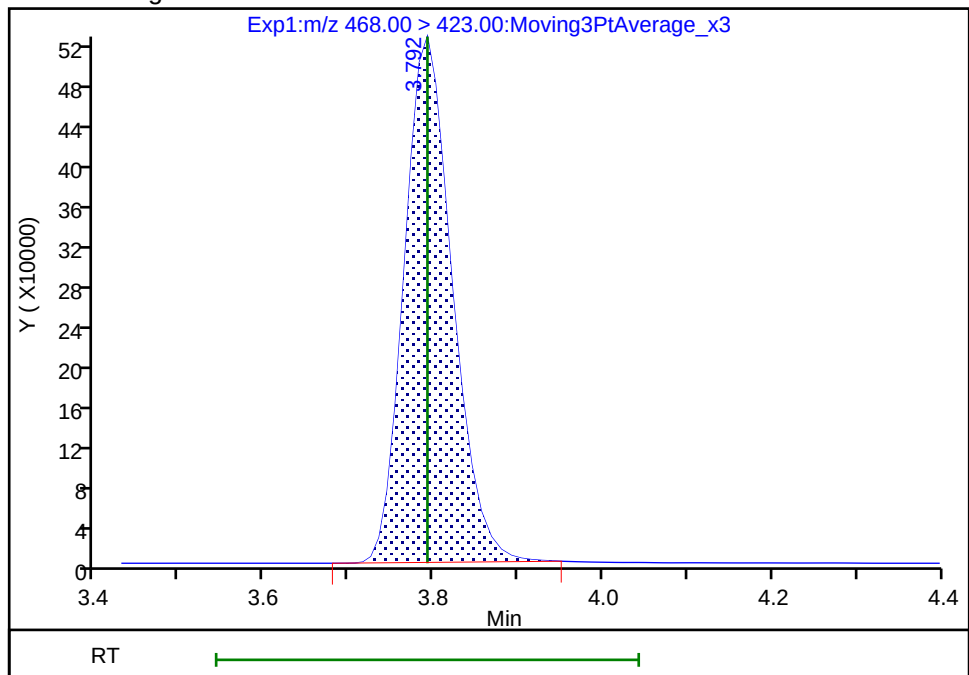
RT: 3.79
Area: 2085148
Amount: 1.226403
Amount Units: ng/ml

Processing Integration Results



RT: 3.79
Area: 2063678
Amount: 1.213775
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 08:00:17
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

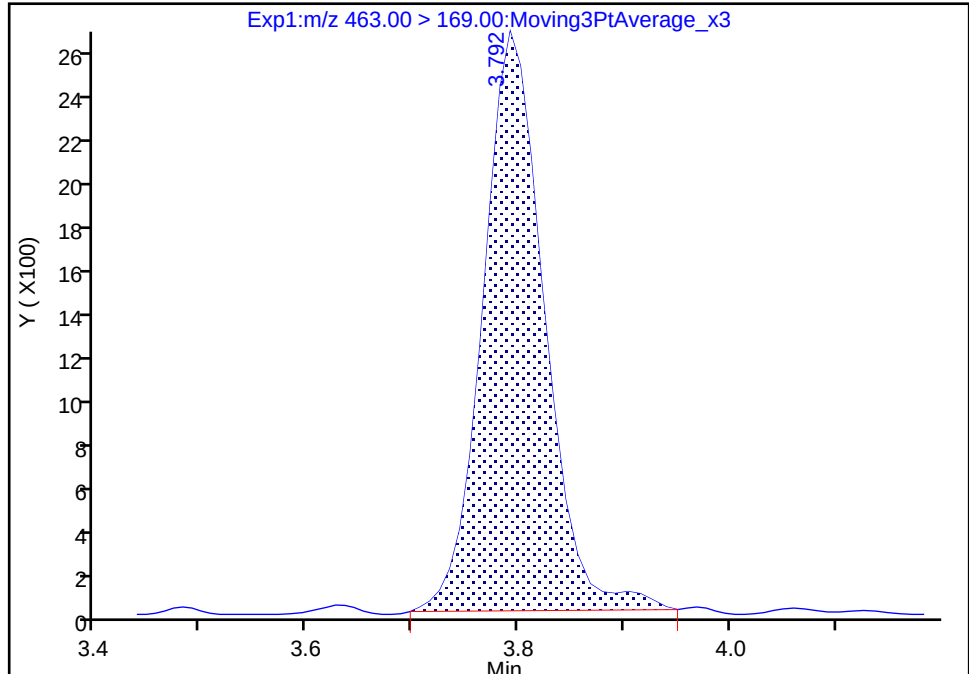
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A06.d
Injection Date: 11-Aug-2022 14:42:14 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

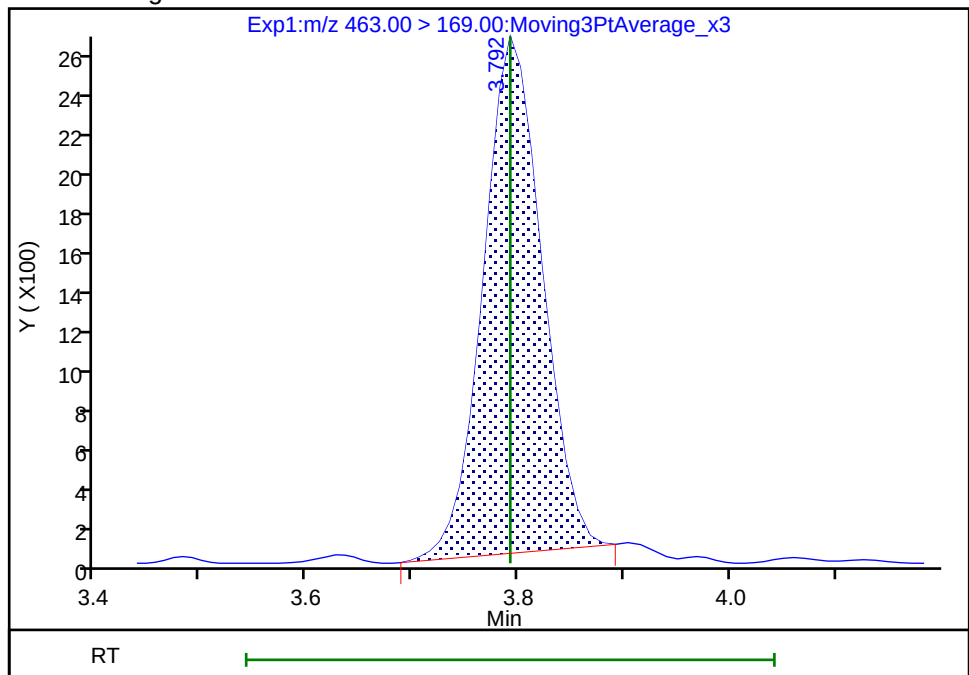
RT: 3.79
Area: 10742
Amount: 0.053707
Amount Units: ng/ml

Processing Integration Results



RT: 3.79
Area: 10153
Amount: 0.054266
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 12-Aug-2022 09:02:42

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A06.d

Injection Date: 11-Aug-2022 14:42:14

Instrument ID: LC812

Lims ID: CCVLIS

Client ID:

Operator ID: lc812tech

ALS Bottle#:

4

Worklist Smp#: 6

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

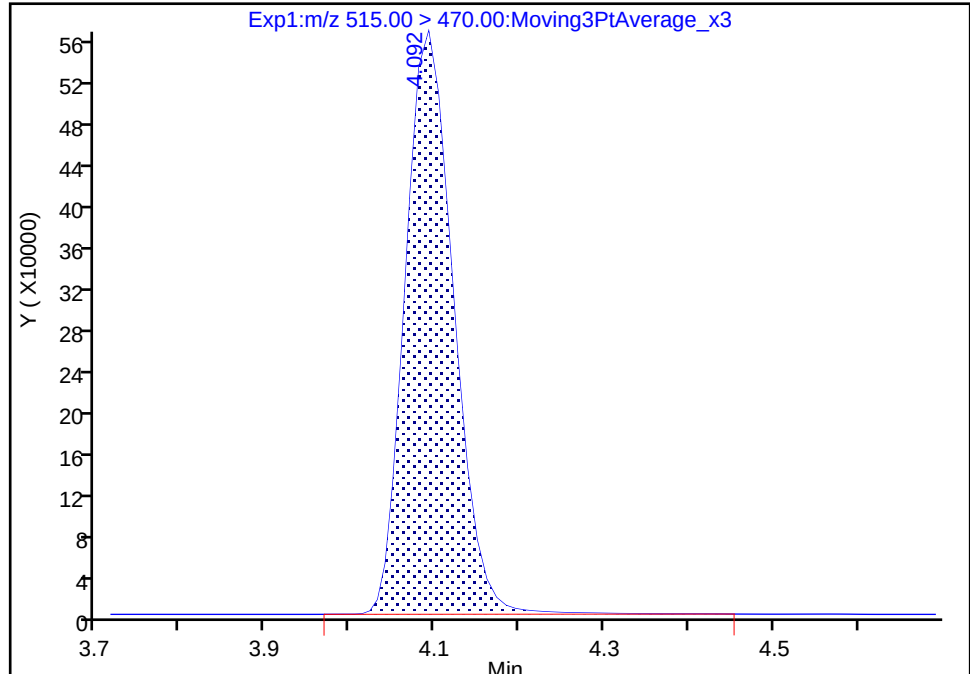
Detector: EXP1

D 23 13C2 PFDA, CAS: STL00996

Signal: 1

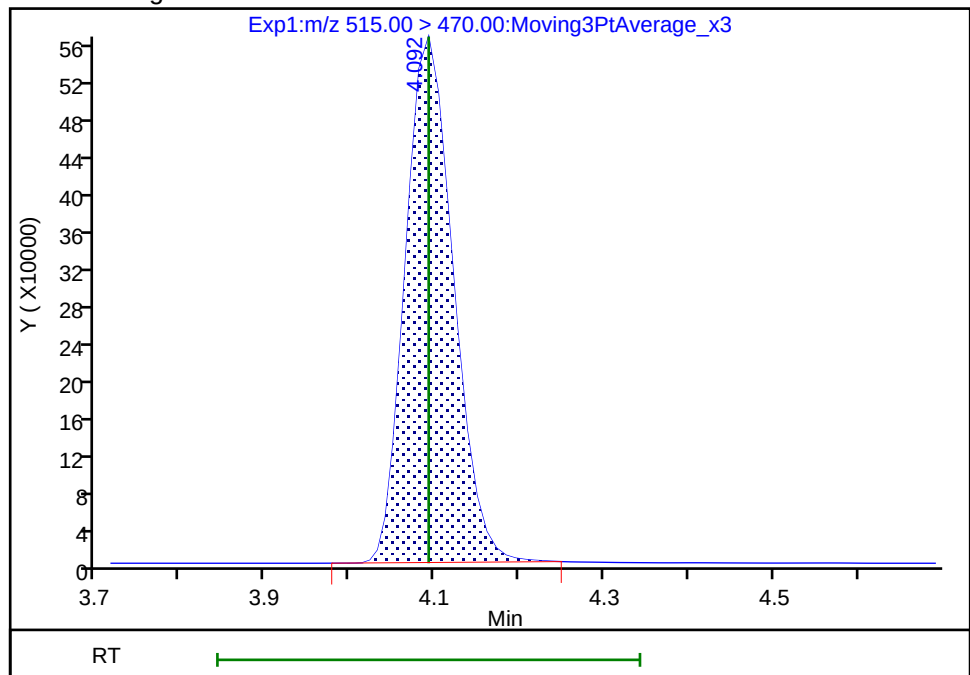
RT: 4.09
Area: 2226658
Amount: 1.345650
Amount Units: ng/ml

Processing Integration Results



RT: 4.09
Area: 2207721
Amount: 1.334206
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 08:00:24

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

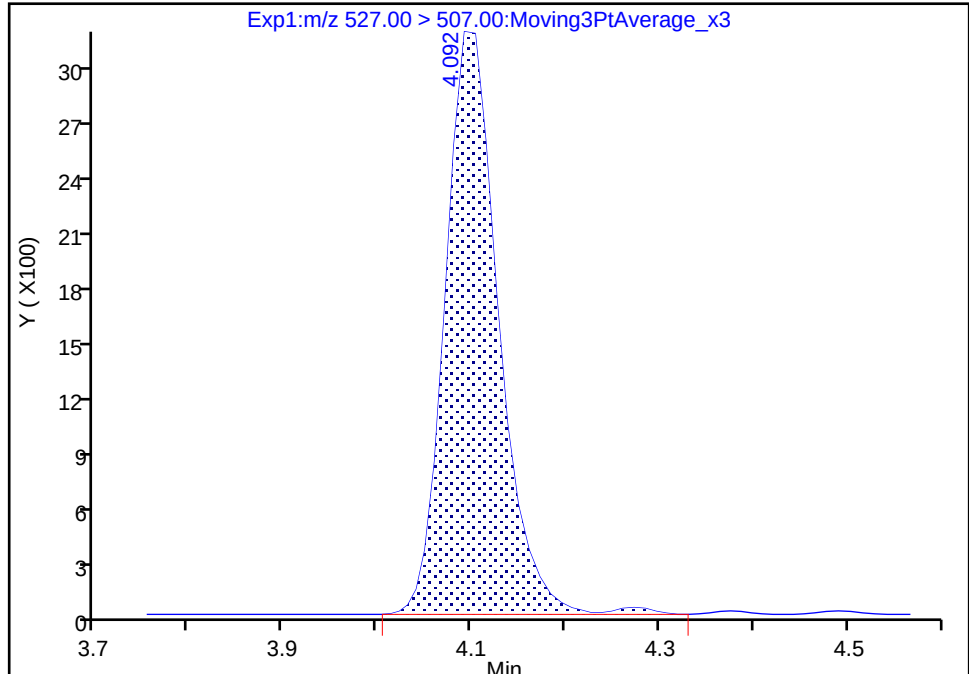
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A06.d
Injection Date: 11-Aug-2022 14:42:14 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

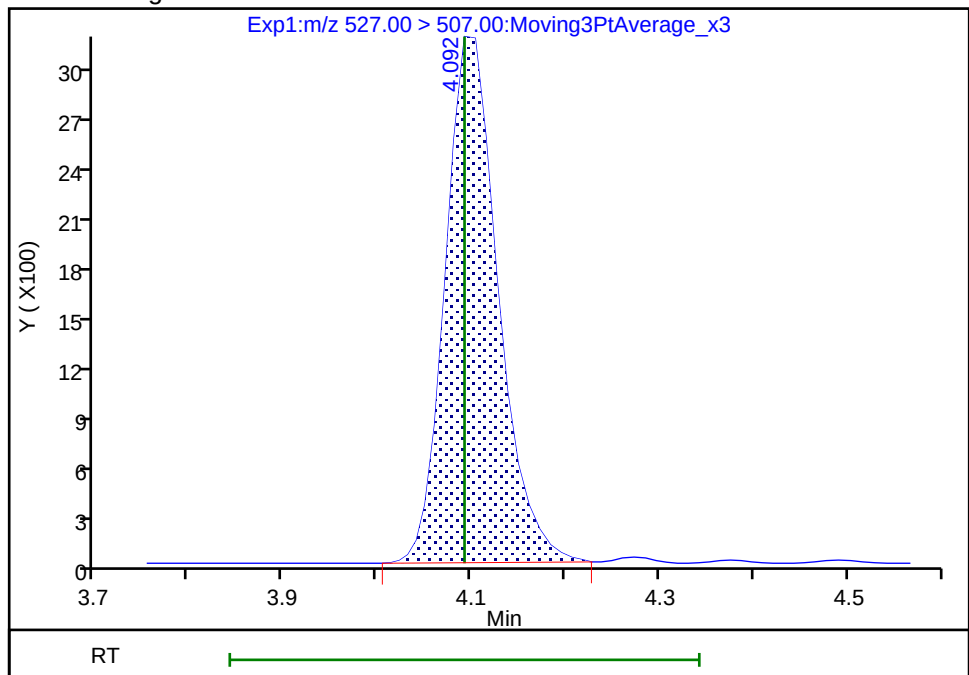
RT: 4.09
Area: 12529
Amount: 0.047898
Amount Units: ng/ml

Processing Integration Results



RT: 4.09
Area: 12369
Amount: 0.047286
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 12-Aug-2022 09:02:55

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

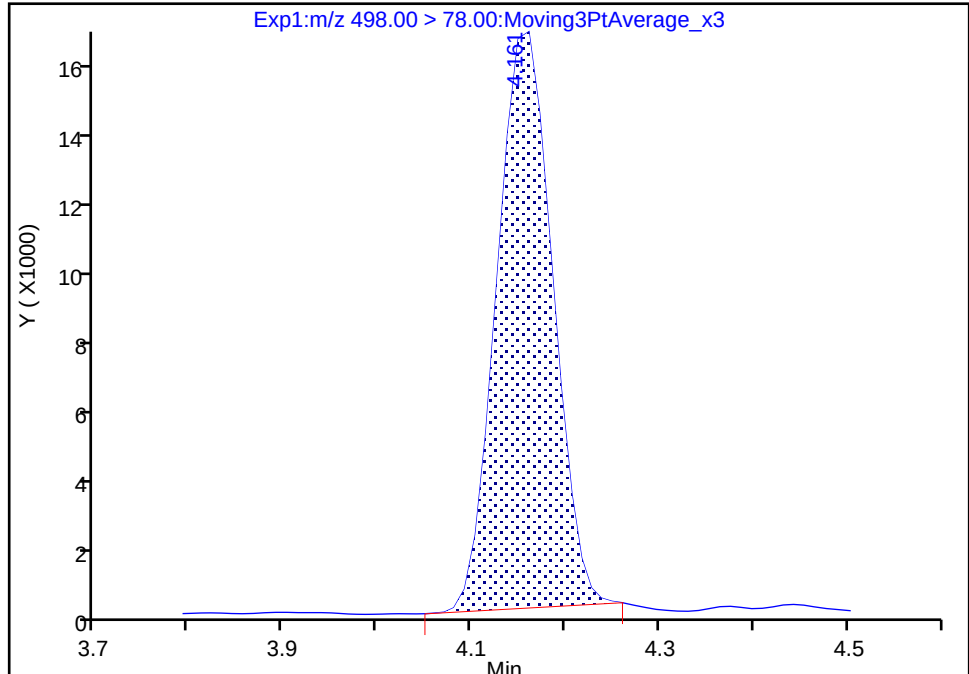
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A06.d
Injection Date: 11-Aug-2022 14:42:14 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

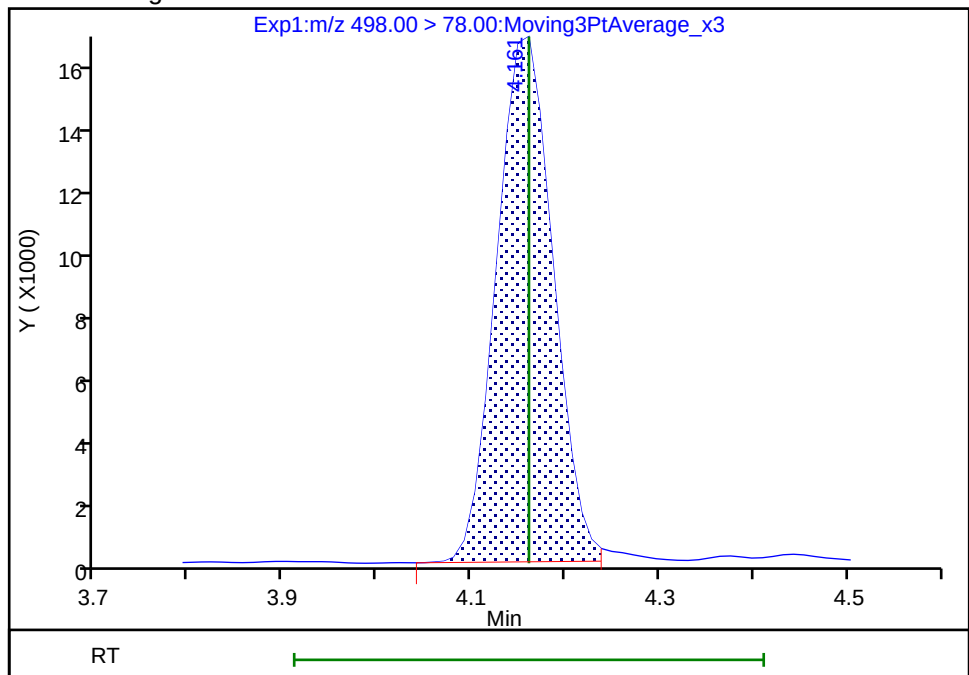
RT: 4.16
Area: 68301
Amount: 0.049154
Amount Units: ng/ml

Processing Integration Results



RT: 4.16
Area: 69512
Amount: 0.050026
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 12-Aug-2022 09:03:07

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

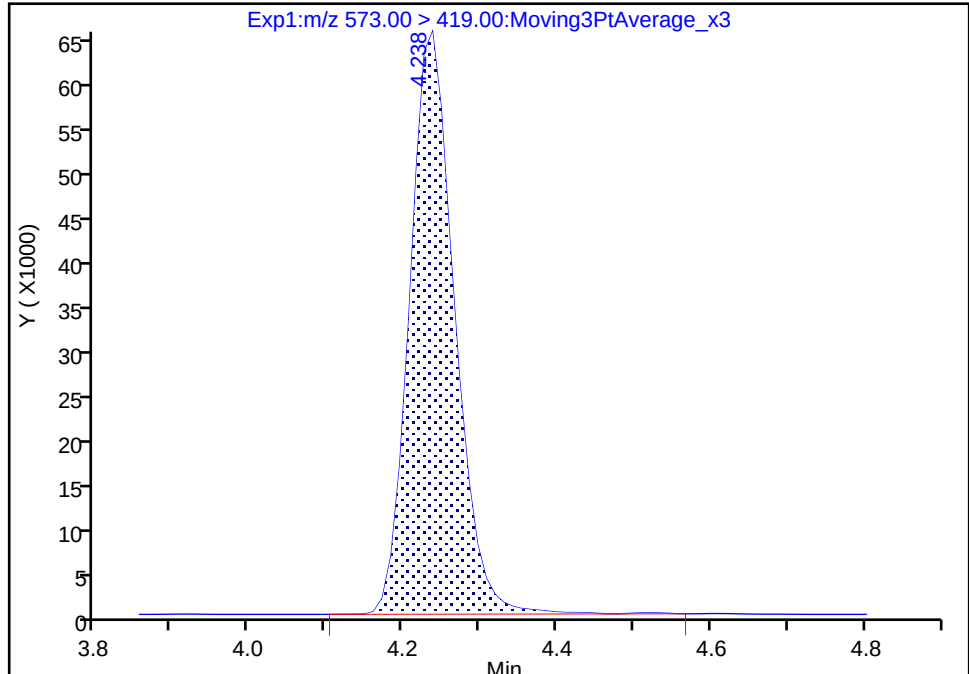
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A06.d
Injection Date: 11-Aug-2022 14:42:14 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

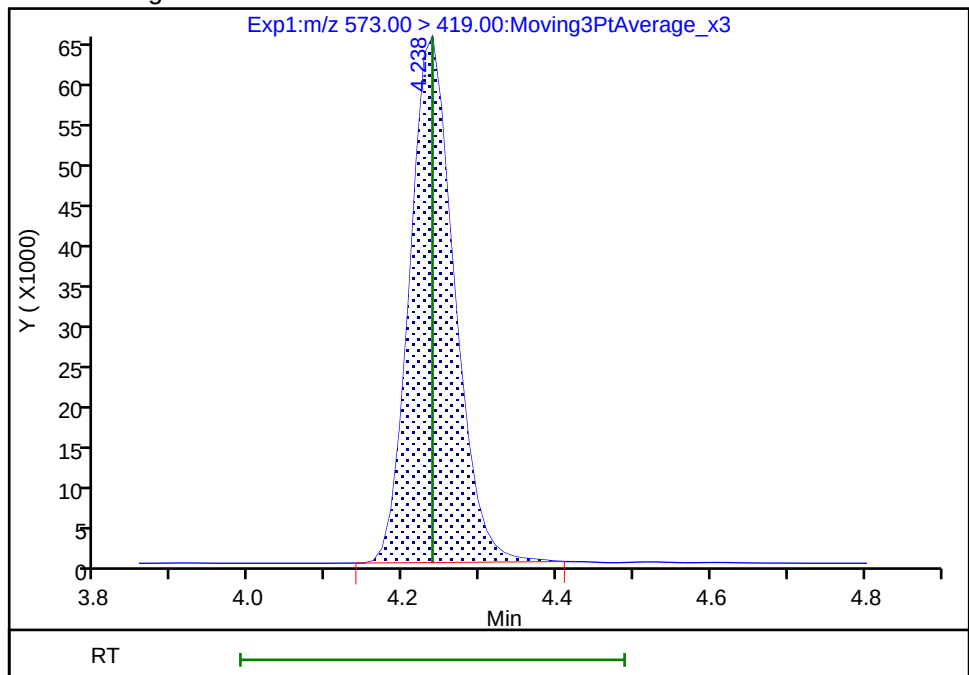
RT: 4.24
Area: 264431
Amount: 1.192296
Amount Units: ng/ml

Processing Integration Results



RT: 4.24
Area: 262240
Amount: 1.182417
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 12-Aug-2022 08:59:15

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

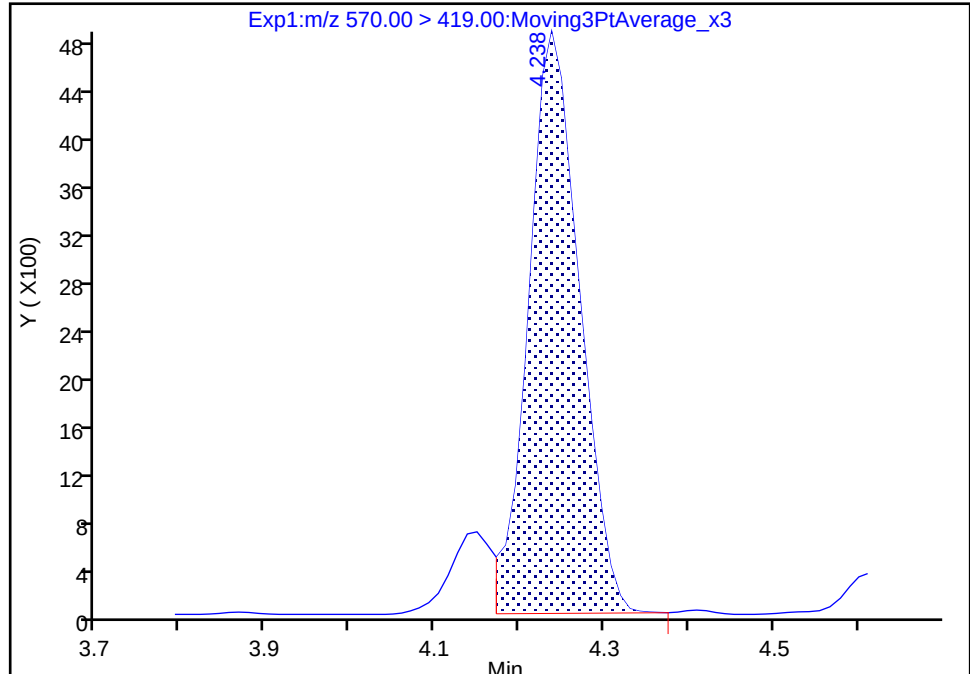
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A06.d
Injection Date: 11-Aug-2022 14:42:14 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

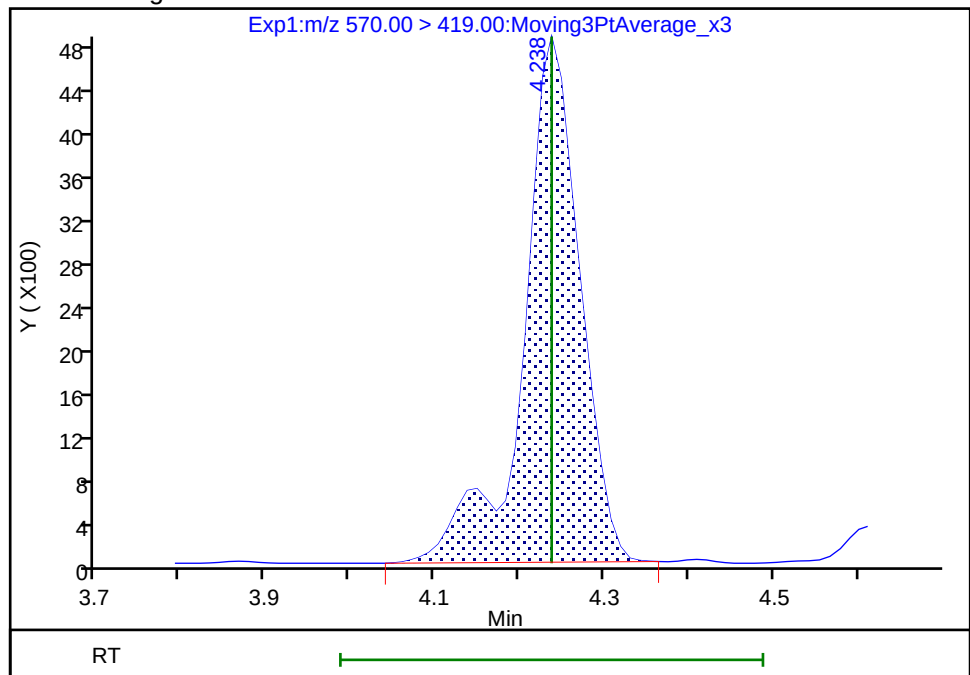
RT: 4.24
Area: 20419
Amount: 0.109592
Amount Units: ng/ml

Processing Integration Results



RT: 4.24
Area: 22710
Amount: 0.121888
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 12-Aug-2022 09:03:14

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

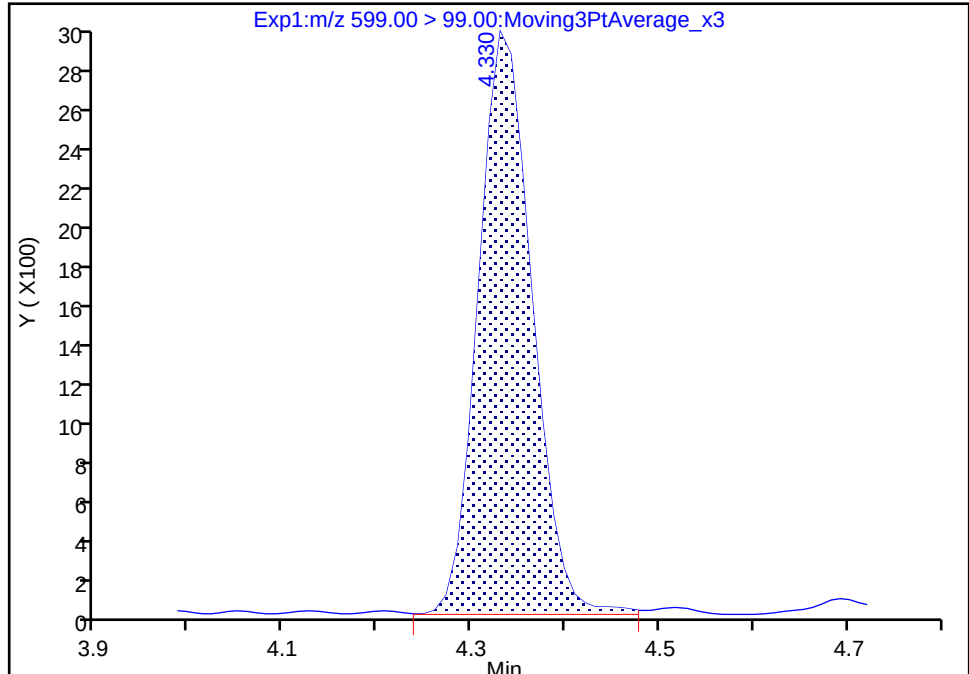
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A06.d
Injection Date: 11-Aug-2022 14:42:14 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

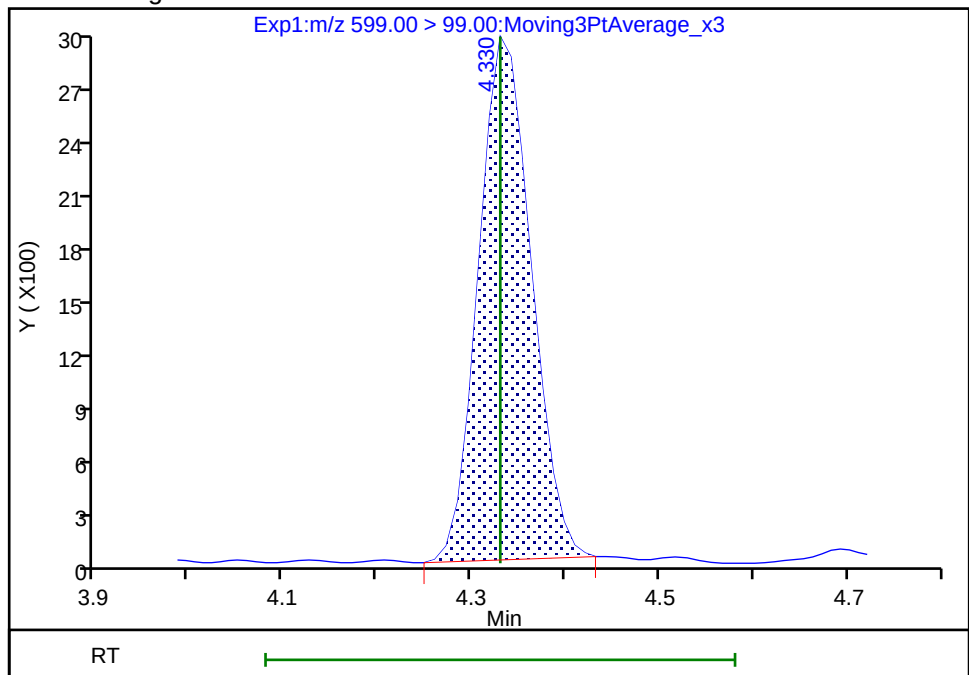
RT: 4.33
Area: 11641
Amount: 0.048172
Amount Units: ng/ml

Processing Integration Results



RT: 4.33
Area: 11332
Amount: 0.048172
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 12-Aug-2022 09:03:21

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A06.d

Injection Date: 11-Aug-2022 14:42:14

Instrument ID: LC812

Lims ID: CCVLIS

Client ID:

Operator ID: lc812tech

ALS Bottle#:

4

Worklist Smp#: 6

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

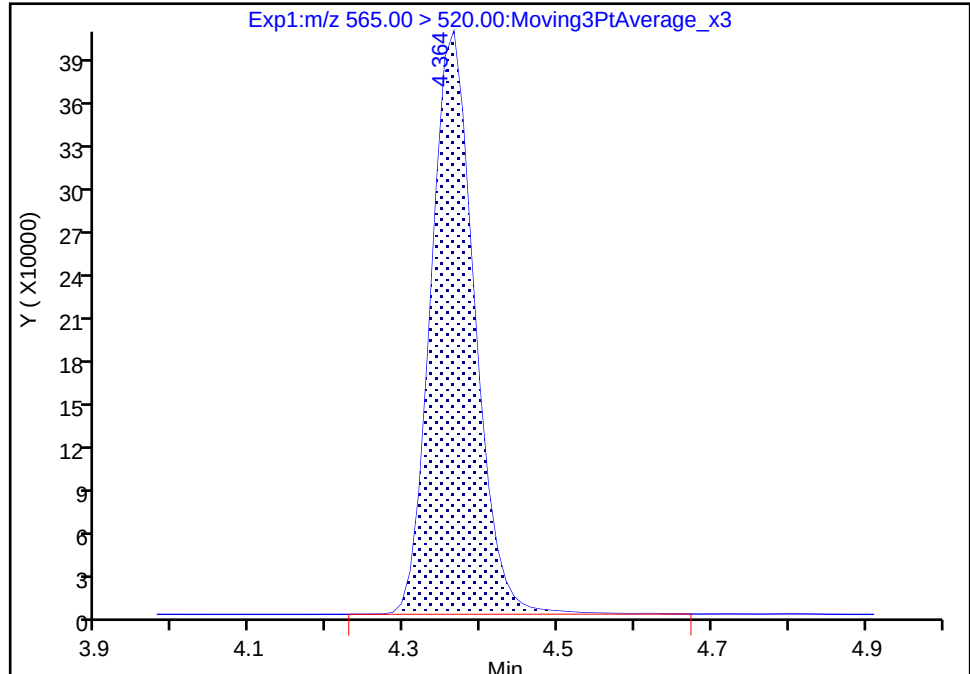
Detector: EXP1

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

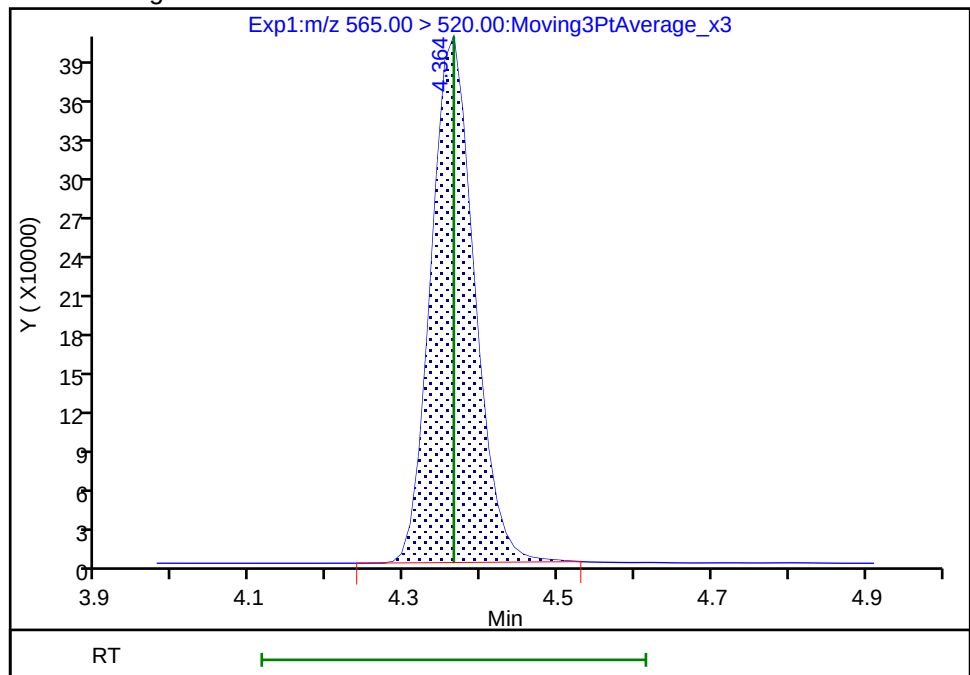
RT: 4.36
Area: 1593599
Amount: 1.271082
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 1580725
Amount: 1.260814
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 08:00:34

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

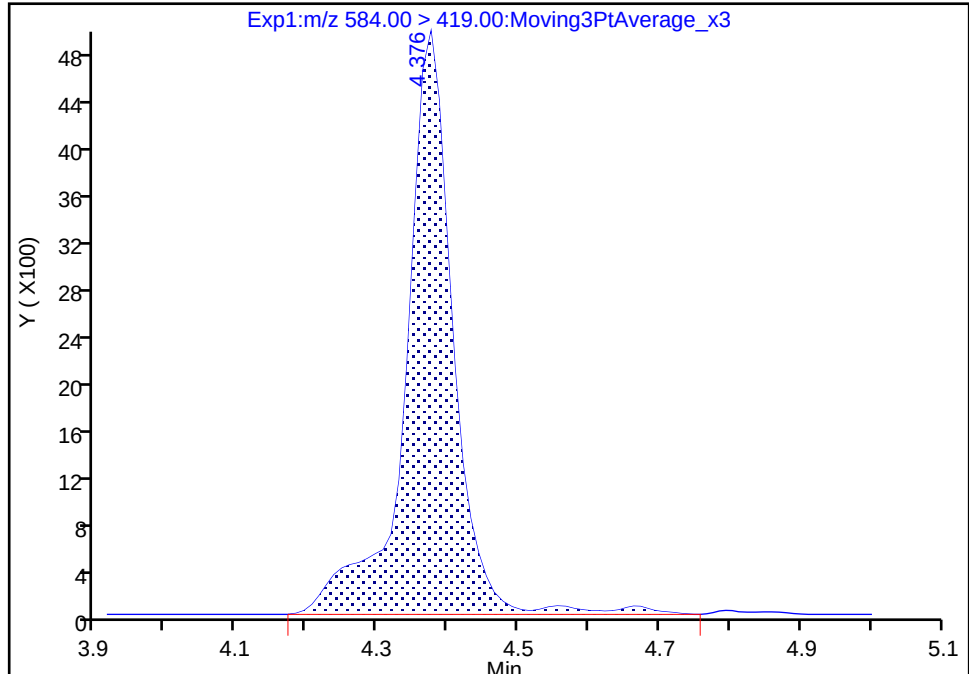
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A06.d
Injection Date: 11-Aug-2022 14:42:14 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

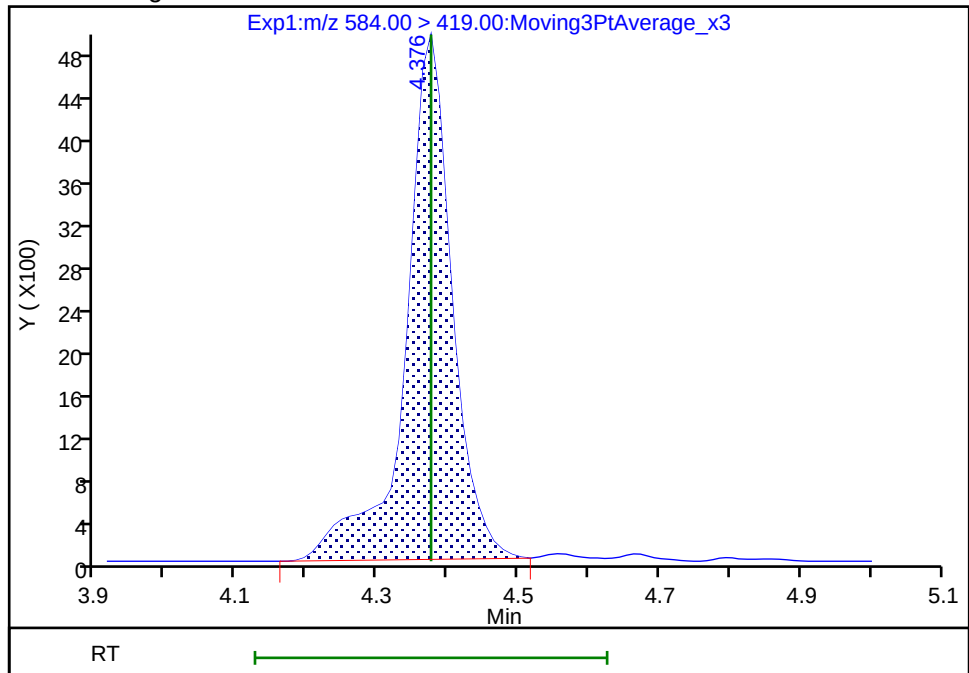
RT: 4.38
Area: 23446
Amount: 0.134679
Amount Units: ng/ml

Processing Integration Results



RT: 4.38
Area: 22587
Amount: 0.129745
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 08:00:41
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

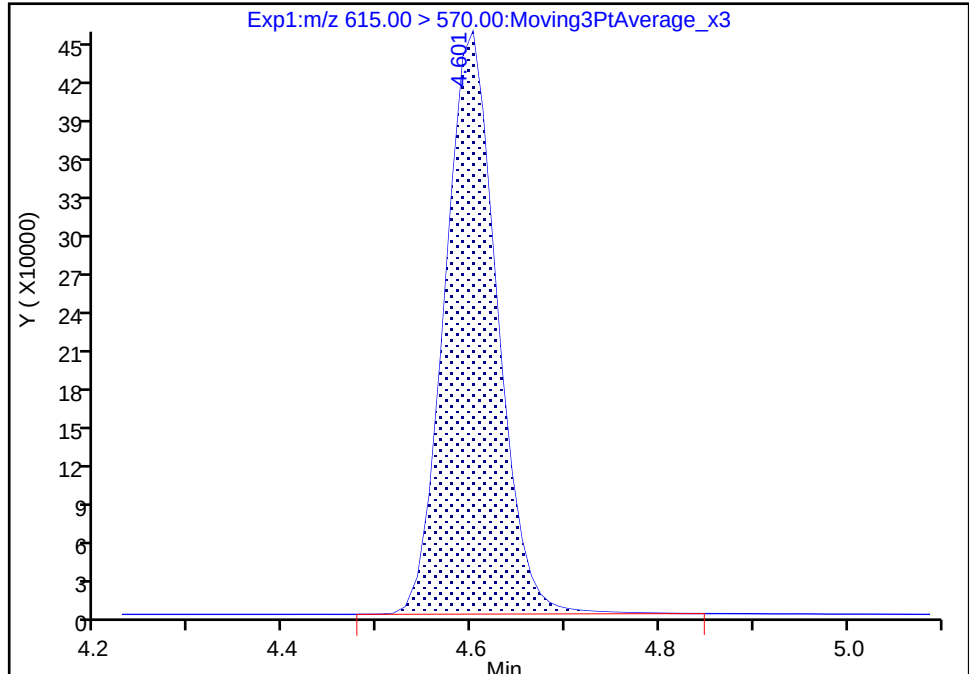
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A06.d
Injection Date: 11-Aug-2022 14:42:14 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 36 13C2 PFD_oA, CAS: STL00998

Signal: 1

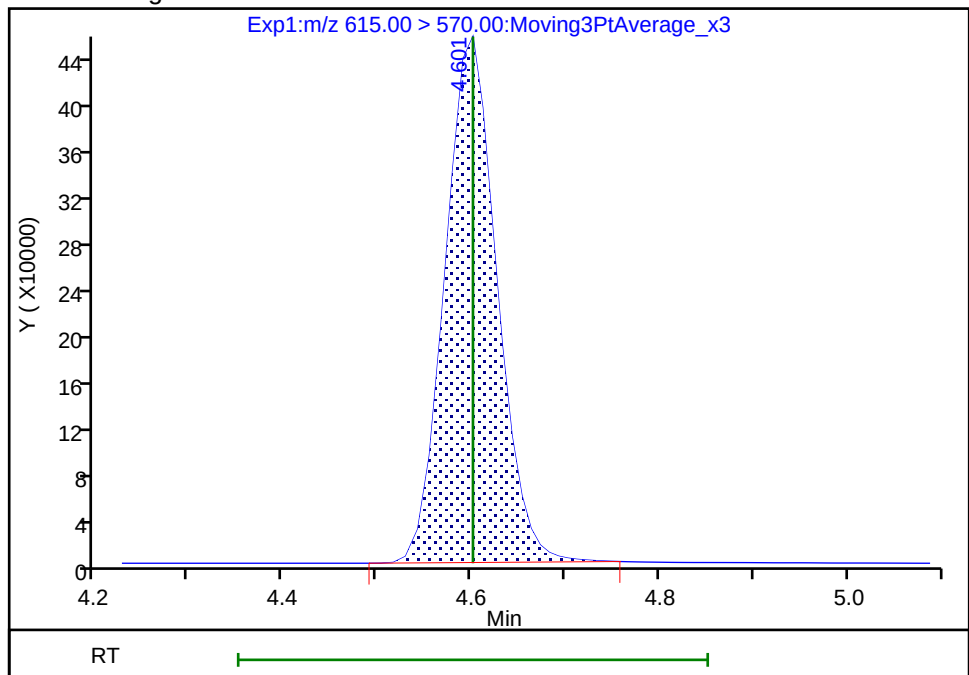
RT: 4.60
Area: 1748023
Amount: 1.345491
Amount Units: ng/ml

Processing Integration Results



RT: 4.60
Area: 1737910
Amount: 1.337707
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 08:00:47
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

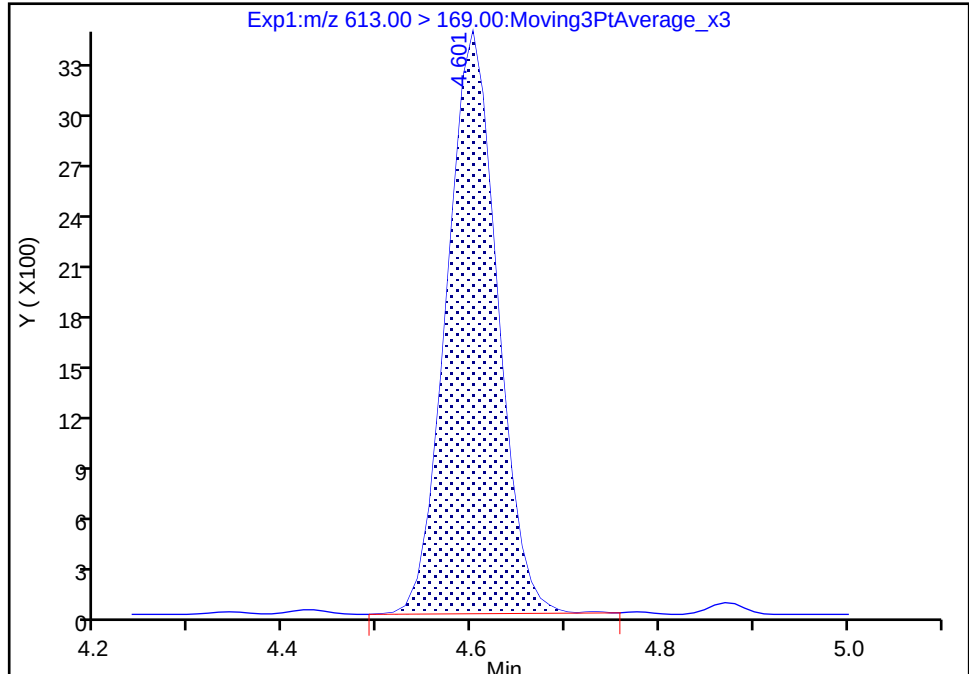
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A06.d
Injection Date: 11-Aug-2022 14:42:14 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

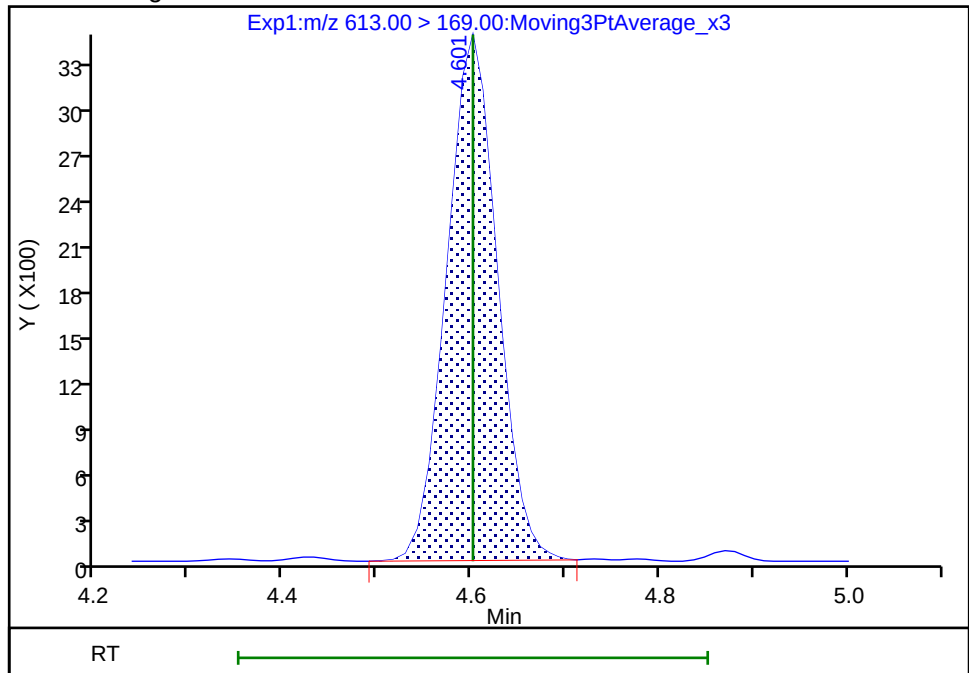
RT: 4.60
Area: 12818
Amount: 0.051088
Amount Units: ng/ml

Processing Integration Results



RT: 4.60
Area: 12798
Amount: 0.051385
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 12-Aug-2022 09:03:42

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

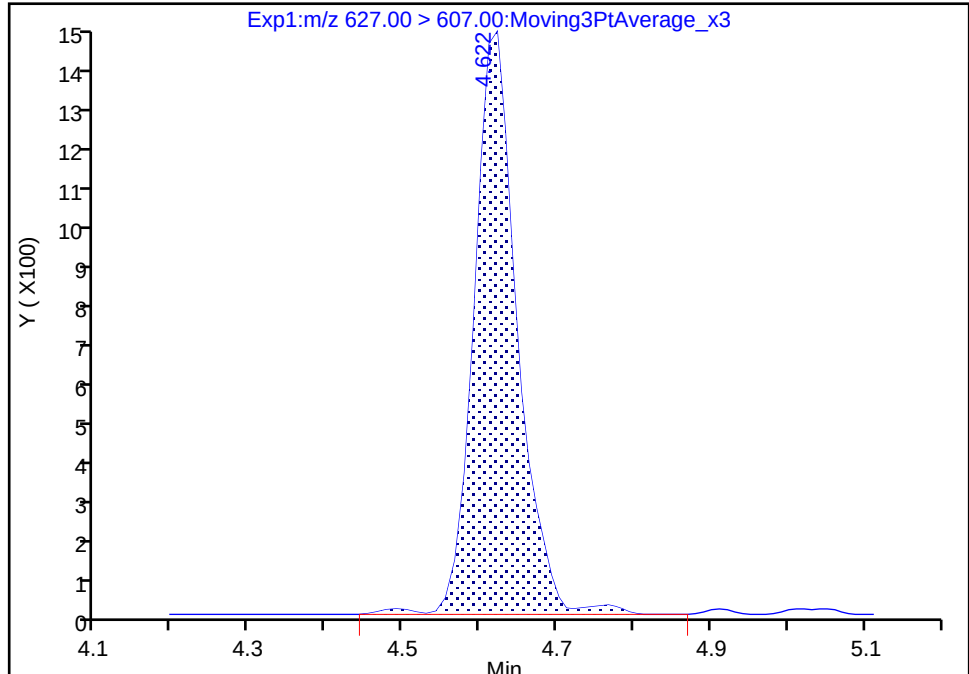
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A06.d
Injection Date: 11-Aug-2022 14:42:14 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

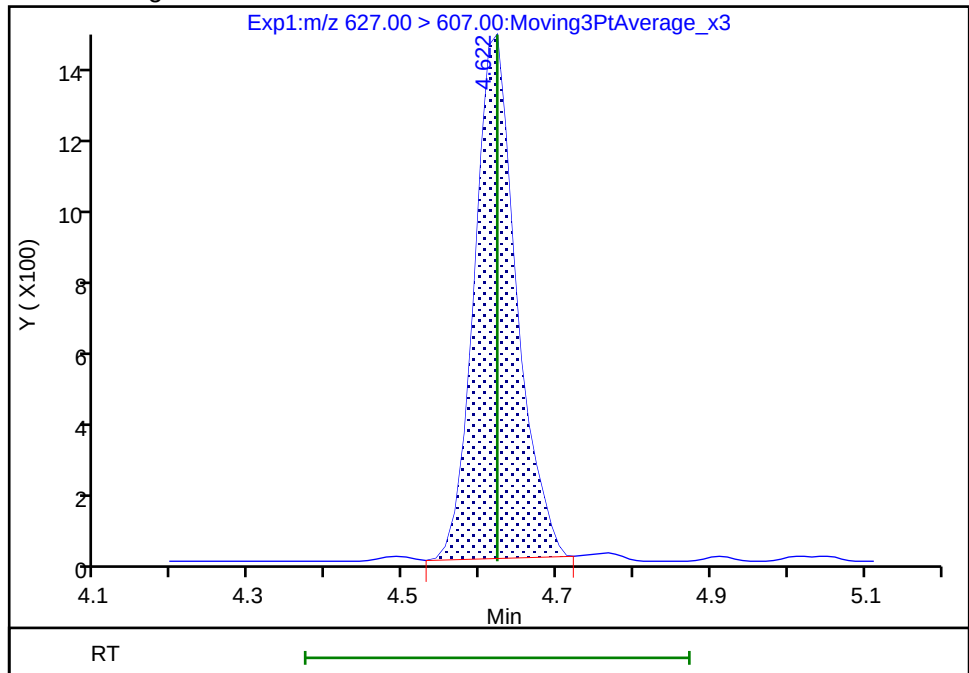
RT: 4.62
Area: 5849
Amount: 0.047863
Amount Units: ng/ml

Processing Integration Results



RT: 4.62
Area: 5635
Amount: 0.046112
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 12-Aug-2022 09:03:50

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

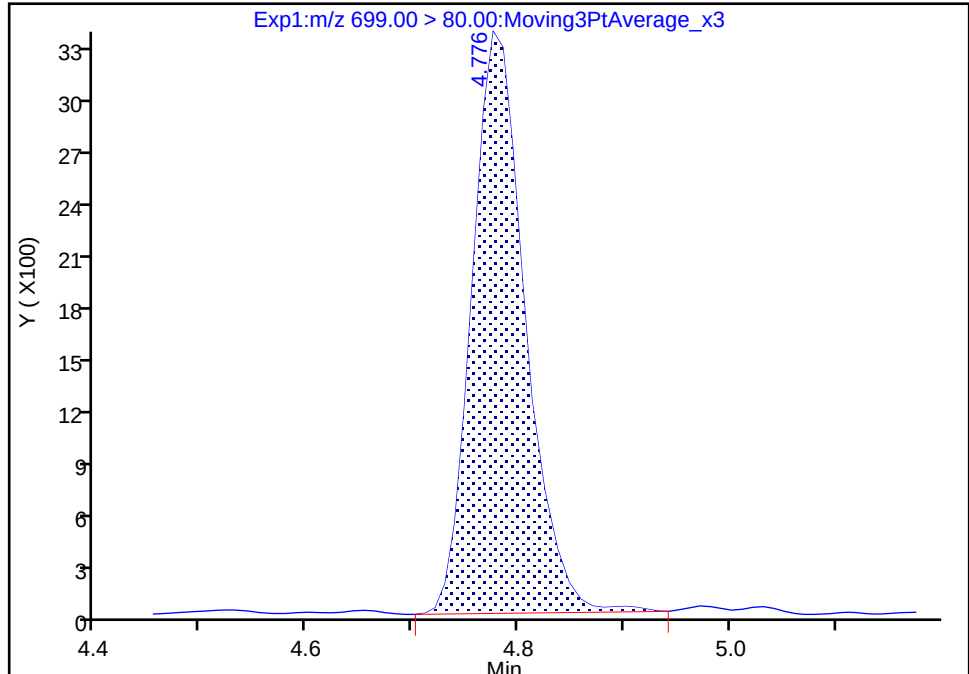
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A06.d
Injection Date: 11-Aug-2022 14:42:14 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

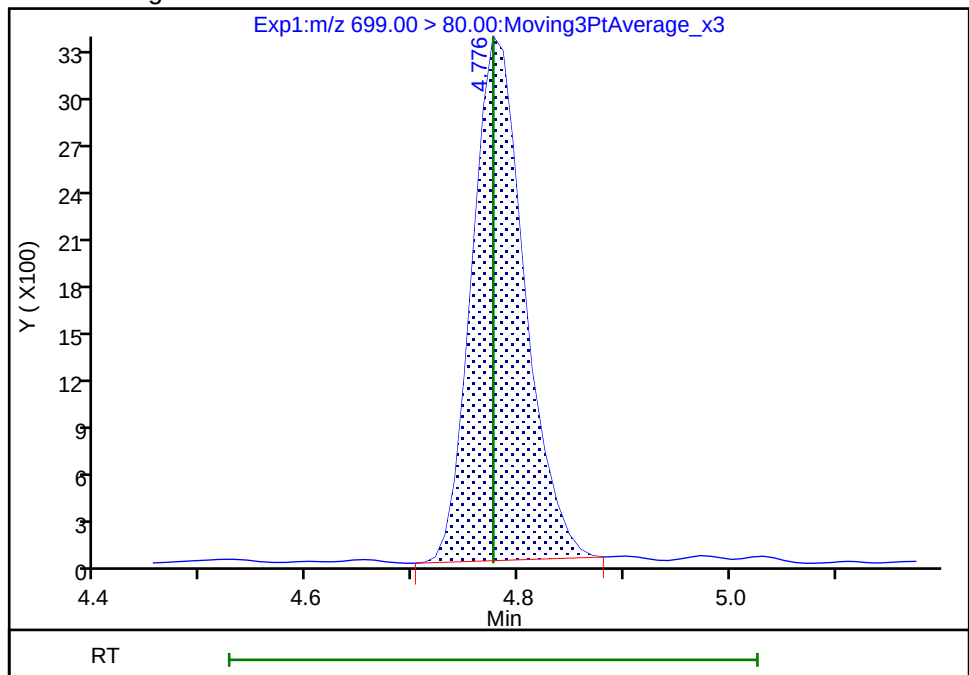
RT: 4.78
Area: 11562
Amount: 0.049560
Amount Units: ng/ml

Processing Integration Results



RT: 4.78
Area: 11351
Amount: 0.048656
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 12-Aug-2022 09:03:56
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

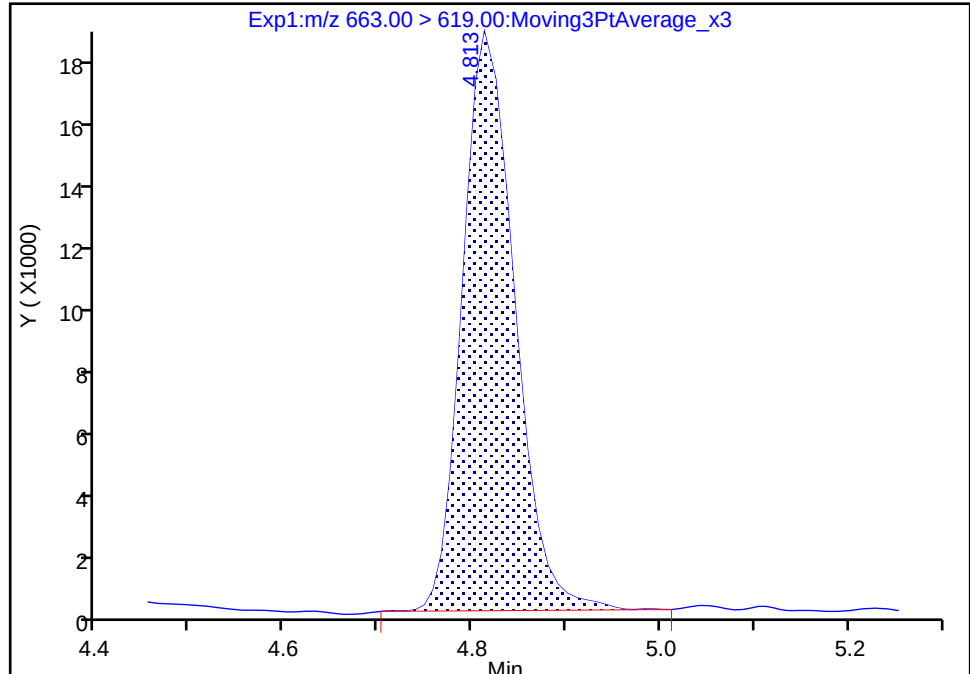
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A06.d
Injection Date: 11-Aug-2022 14:42:14 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

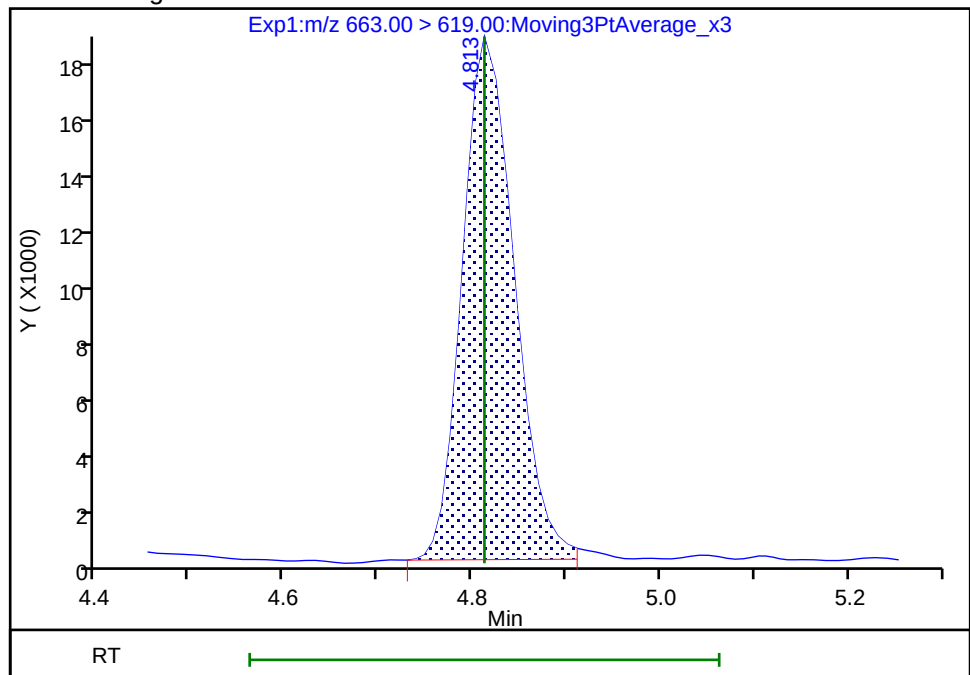
RT: 4.81
Area: 69325
Amount: 0.056391
Amount Units: ng/ml

Processing Integration Results



RT: 4.81
Area: 68556
Amount: 0.056090
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 12-Aug-2022 09:04:04

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

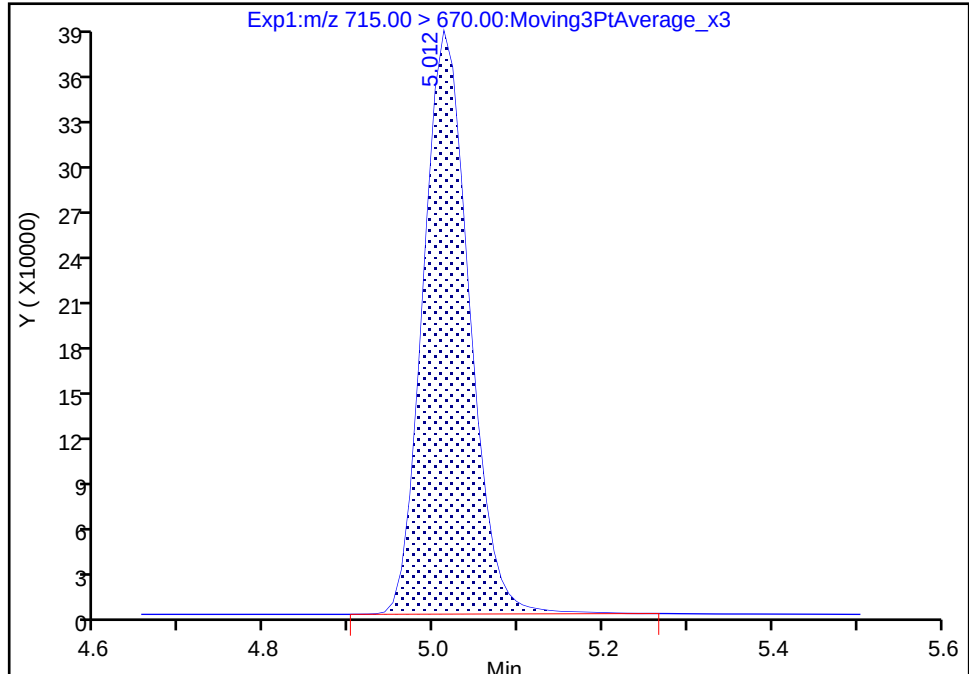
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A06.d
Injection Date: 11-Aug-2022 14:42:14 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

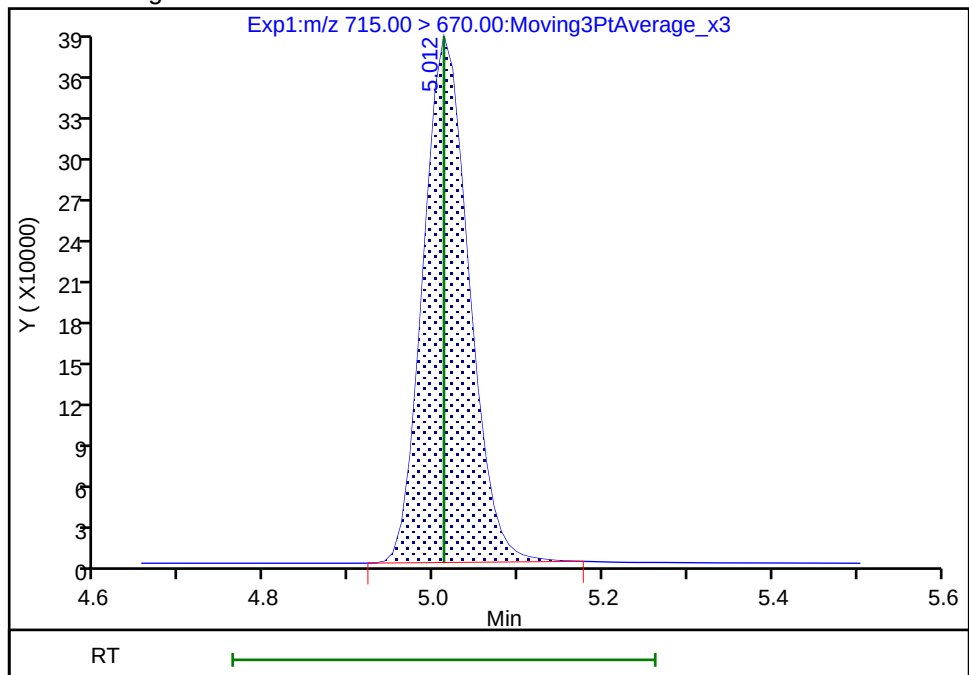
RT: 5.01
Area: 1444399
Amount: 1.360029
Amount Units: ng/ml

Processing Integration Results



RT: 5.01
Area: 1435141
Amount: 1.351312
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 08:00:55
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

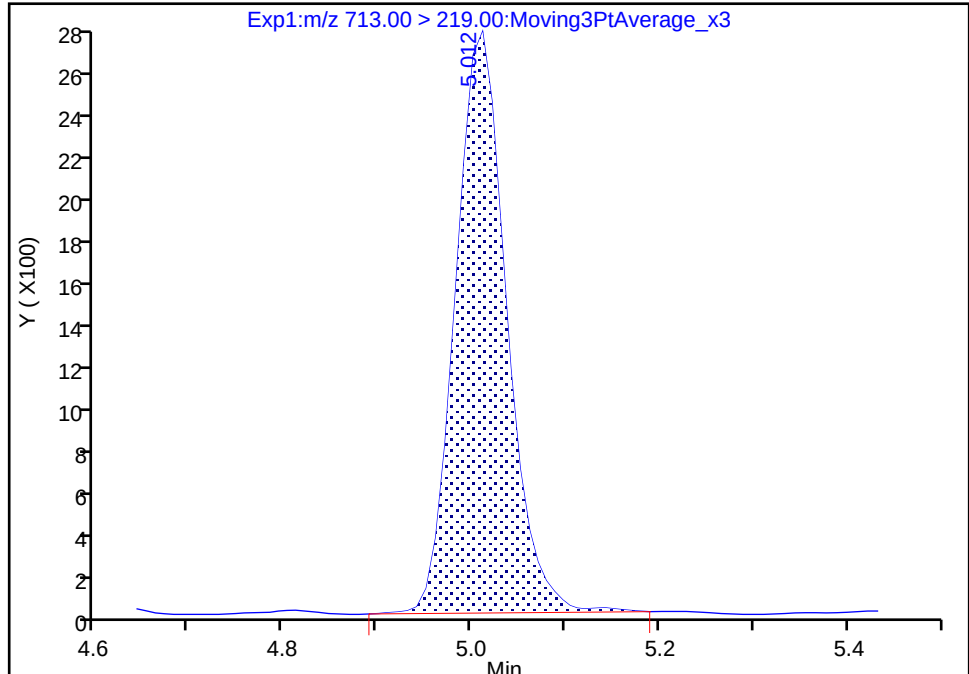
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A06.d
Injection Date: 11-Aug-2022 14:42:14 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

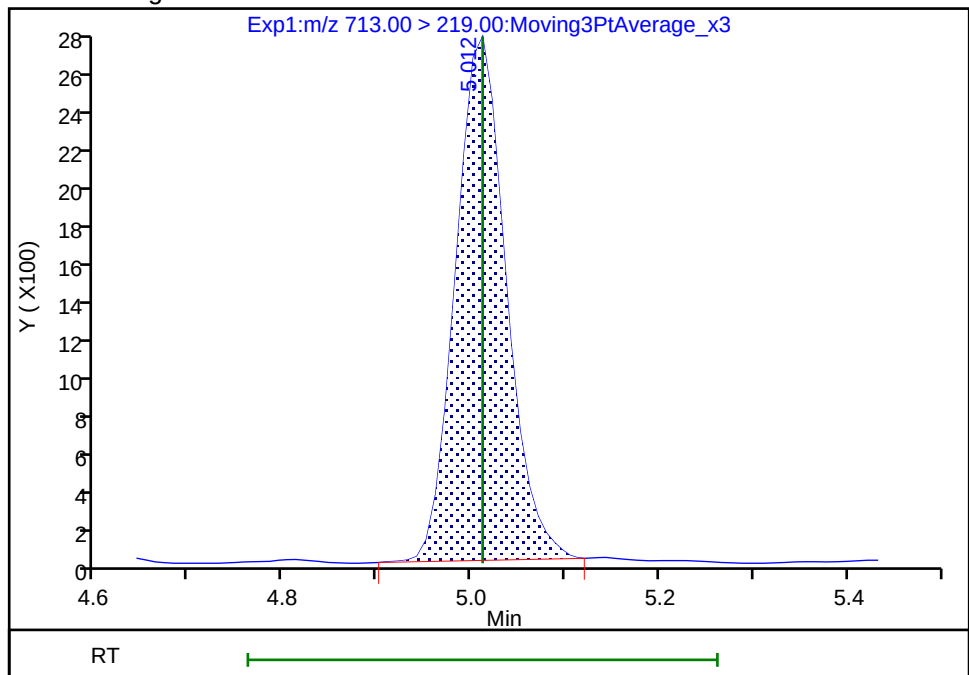
RT: 5.01
Area: 10545
Amount: 0.052920
Amount Units: ng/ml

Processing Integration Results



RT: 5.01
Area: 10383
Amount: 0.053403
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 12-Aug-2022 09:04:12

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

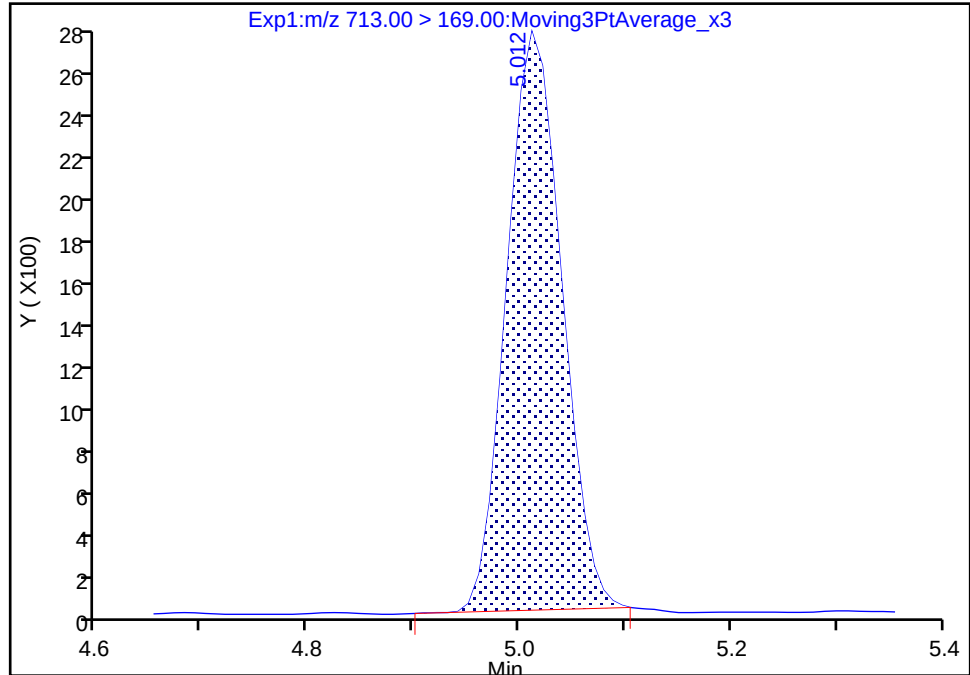
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A06.d
Injection Date: 11-Aug-2022 14:42:14 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

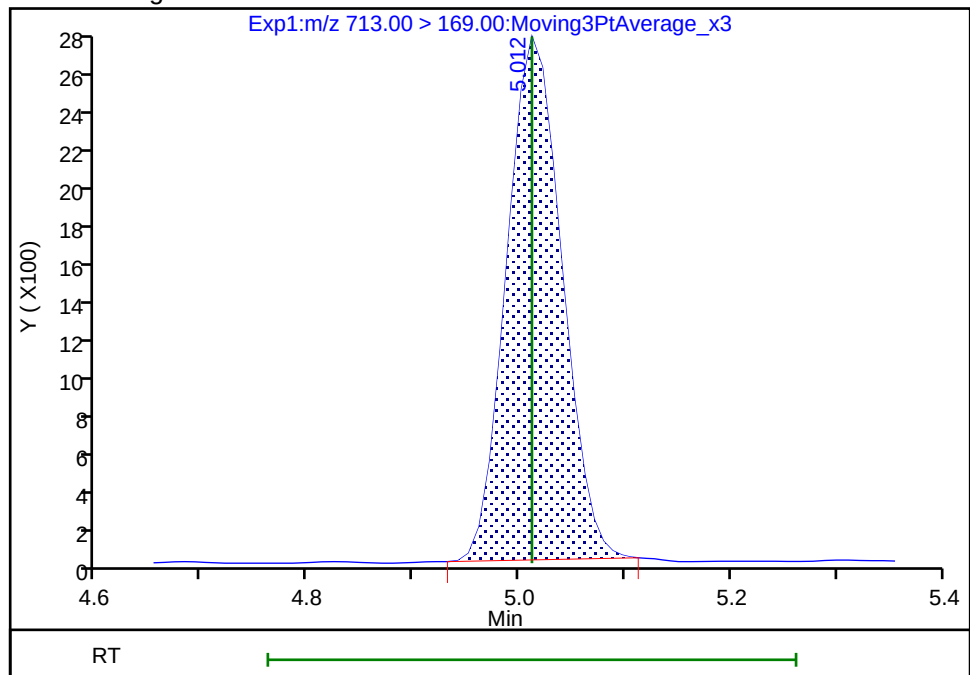
RT: 5.01
Area: 9797
Amount: 0.052920
Amount Units: ng/ml

Processing Integration Results



RT: 5.01
Area: 9823
Amount: 0.053403
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 12-Aug-2022 09:04:20

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

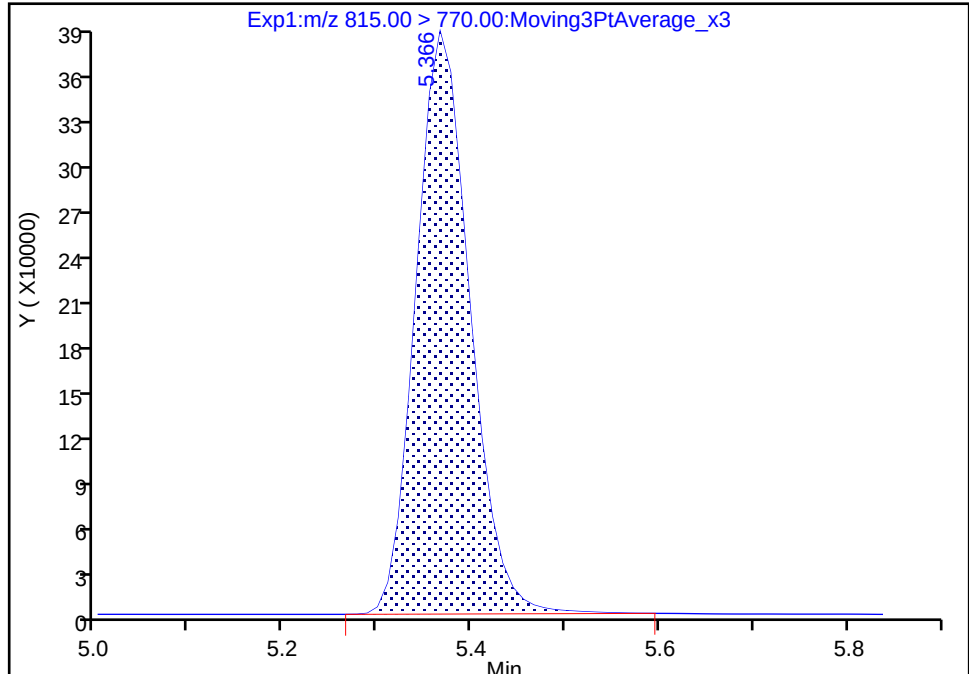
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A06.d
Injection Date: 11-Aug-2022 14:42:14 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 44 13C2 PFHxDA, CAS: STL02115

Signal: 1

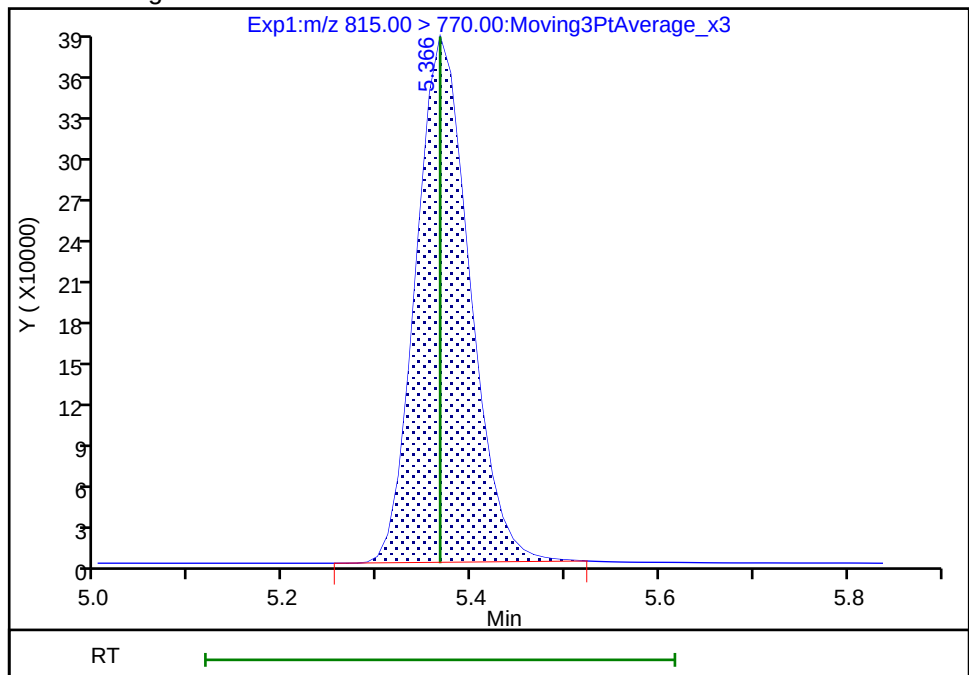
RT: 5.37
Area: 1535269
Amount: 1.269036
Amount Units: ng/ml

Processing Integration Results



RT: 5.37
Area: 1524257
Amount: 1.259934
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 08:01:00
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-263208-1

SDG No.: _____

Lab Sample ID: CCV 200-182595/1 Calibration Date: 08/11/2022 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: PA220811B01.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	0.9283		0.957	1.00	-4.3	
Perfluoropentanoic acid (PFPeA)	AveID	1.031	1.041		1.01	1.00	1.0	
Perfluorobutanesulfonic acid (PFBS)	AveID	1.104	1.129		0.904	0.884	2.3	
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	AveID	2.377	2.400		0.943	0.934	1.0	
Perfluorohexanoic acid (PFHxA)	AveID	1.043	1.011		0.969	1.00	-3.1	
Perfluoropentanesulfonic acid (PFPeS)	AveID	1.297	1.240		0.897	0.938	-4.4	
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	AveID	1.075	1.050		0.977	1.00	-2.3	
Perfluoroheptanoic acid (PFHpA)	AveID	1.031	1.001		0.971	1.00	-2.9	
Perfluorohexanesulfonic acid (PFHxS)	AveID	1.103	1.059		0.874	0.910	-4.0	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	4.119	4.277		0.978	0.942	3.8	
6:2 FTS	L1ID		1.542		0.986	0.948	4.1	30.0
Perfluoroheptanesulfonic acid (PFHpS)	AveID	1.236	1.193		0.919	0.952	-3.5	
Perfluorooctanoic acid (PFOA)	AveID	1.121	1.079		0.962	1.00	-3.8	
Perfluorooctanesulfonic acid (PFOS)	L1ID		1.003		0.917	0.928	-1.2	30.0
Perfluorononanoic acid (PFNA)	AveID	1.017	0.9703		0.954	1.00	-4.6	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O)	AveID	1.766	1.779		0.938	0.932	0.7	
Perfluorononanesulfonic acid (PFNS)	AveID	0.7830	0.7881		0.966	0.960	0.7	
Perfluorodecanoic acid (PFDA)	AveID	1.052	1.050		0.999	1.00	-0.1	
8:2 FTS	AveID	0.9657	1.003		0.995	0.958	3.9	
Perfluorooctanesulfonamide (FOSA)	AveID	1.019	1.004		0.985	1.00	-1.5	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	AveID	0.8881	0.9176		1.03	1.00	3.3	
Perfluorodecanesulfonic acid (PFDS)	AveID	0.5827	0.6174		1.02	0.964	6.0	
Perfluoroundecanoic acid (PFUnA)	AveID	1.059	1.098		1.04	1.00	3.6	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.9079	0.8662		0.954	1.00	-4.6	
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF)	AveID	2.299	2.415		0.990	0.942	5.1	
Perfluorododecanoic acid (PFDoA)	AveID	1.014	0.9738		0.960	1.00	-4.0	
1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS)	AveID	0.4511	0.5044		1.08	0.964	11.8	
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.2587	0.2585		0.967	0.968	-0.0	

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-263208-1
 SDG No.: _____
 Lab Sample ID: CCV 200-182595/1 Calibration Date: 08/11/2022 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: PA220811B01.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	0.9917		1.13	1.00	12.8	
Perfluorotetradecanoic acid (PFTeA)	AveID	0.1602	0.1540		0.961	1.00	-3.9	
Perfluoro-n-hexadecanoic acid (PFHxDA)	L1ID		0.9330		1.02	1.00	2.3	30.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	0.6649	0.7498		1.13	1.00	12.8	
13C4 PFBA	Ave	1.167	1.076		1.15	1.25	-7.8	
13C5 PFPeA	Ave	0.8976	0.8649		1.20	1.25	-3.6	
13C3 PFBS	Ave	1.039	0.9511		1.06	1.16	-8.4	
M2-4:2 FTS	Ave	0.0894	0.0859		1.12	1.17	-3.9	
13C2 PFHxA	Ave	0.8962	0.8812		1.23	1.25	-1.7	
13C3 HFPO-DA	Ave	0.1687	0.1553		1.15	1.25	-7.9	
13C4 PFHpA	Ave	0.9296	0.9287		1.25	1.25	-0.0	50.0
18O2 PFHxS	Ave	0.7305	0.7046		1.14	1.18	-3.5	50.0
M2-6:2 FTS	Ave	0.1223	0.1187		1.15	1.19	-2.9	
13C4 PFOA	Ave	0.9525	0.9658		1.27	1.25	1.4	50.0
13C4 PFOS	Ave	0.5455	0.5134		1.13	1.20	-5.9	50.0
13C5 PFNA	Ave	0.9889	1.010		1.28	1.25	2.2	50.0
13C2 PFDA	Ave	0.9624	0.999		1.30	1.25	3.8	
M2-8:2 FTS	Ave	0.1471	0.1540		1.25	1.20	4.7	
13C8 FOSA	Ave	0.8423	0.8014		1.19	1.25	-4.9	
d3-NMeFOSAA	Ave	0.1290	0.1281		1.24	1.25	-0.7	
13C2 PFUnA	Ave	0.7292	0.7396		1.27	1.25	1.4	
d5-NEtFOSAA	Ave	0.1221	0.1212		1.24	1.25	-0.7	
13C2 PFDoA	Ave	0.7556	0.8039		1.33	1.25	6.4	
13C2 PFTeDA	Ave	0.6177	0.6966		1.41	1.25	12.8	
13C2 PFHxDA	Ave	0.7037	0.7225		1.28	1.25	2.7	

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B01.d
 Lims ID: CCV L4
 Client ID:
 Sample Type: CCV
 Inject. Date: 11-Aug-2022 18:31:08 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: CCV L4
 Misc. Info.: 200-0052043-001 Plate: 1 Rack: 2
 Operator ID: lc812tech Instrument ID: LC812
 Sublist: chrom-PFC_LC812*sub3
 Method: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 12-Aug-2022 12:19:48 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: CTX1609

First Level Reviewer: nampitakw

Date: 12-Aug-2022 07:21:16

Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.076	2.076	0.0	0.601	2597930	1.15		92.2	16249	
2 Perfluorobutanoic acid										
212.90 > 169.00	2.076	2.076	0.0	1.000	1929286	0.9573		95.7	234	
D 3 13C5 PFPeA										
267.90 > 223.00	2.386	2.386	0.0	0.690	2088251	1.20		96.4	3715	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.386	2.386	0.0	1.000	1739140	1.01		101	66.6	M
D 47 13C3 PFBS										M
301.90 > 80.00	2.400	2.400	0.0	0.694	2135571	1.06		91.6	357676	M
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.400	2.413	-0.013	1.000	1833168	0.9040	Target=2.23	102	1783	M
298.90 > 99.00	2.400	2.413	-0.013	1.000	854137		2.15(1.11-3.34)		727	
D 60 M2-4:2 FTS										
329.00 > 81.00	2.701	2.701	0.0	0.781	193753	1.12		96.1	231	
61 1H,1H,2H,2H-perfluorohexanesulfo										
327.00 > 307.00	2.701	2.701	0.0	1.000	371952	0.9430		101	1952	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.737	2.737	0.0	1.000	1720793	0.9689	Target=12.24	96.9	413	M
313.00 > 119.00	2.737	2.737	0.0	1.000	134841		12.76(6.12-18.36)		198	
D 7 13C2 PFHxA										
315.00 > 270.00	2.737	2.737	0.0	0.792	2127674	1.23		98.3	2333	
70 Perfluoropentanesulfonic acid										
349.00 > 80.00	2.737	2.737	0.0	0.883	1583110	0.8971	Target=2.95	95.6	1513	
349.00 > 99.00	2.737	2.737	0.0	0.883	526899		3.00(1.48-4.43)		1171	
D 64 13C3 HFPO-DA										M
287.00 > 169.00	2.847	2.847	0.0	0.824	375021	1.15		92.1	1918	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	2.847	0.0	1.000	315019	0.9772		97.7	1139	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.099	3.098	0.001	0.897	1609419	1.14		96.5	1904	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.099	3.098	0.001	1.000	1311630	0.8738	Target=3.43	96.0	1291	M
399.00 > 99.00	3.099	3.098	0.001	1.000	379494		3.46(1.72-5.15)		490	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.099	3.098	0.001	0.897	2242442	1.25		99.9	3007	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.099	3.110	-0.011	1.000	1795177	0.9710	Target=3.73	97.1	495	M
363.00 > 169.00	3.099	3.110	-0.011	1.000	477427		3.76(1.86-5.59)		884	M
77 DONA										
377.00 > 251.00	3.143	3.143	0.0	0.833	3995371	0.9782	Target=2.84	104	3925	
377.00 > 85.00	3.143	3.143	0.0	0.833	1377068		2.90(1.42-4.26)		1253	
D 12 M2-6:2 FTS										M
429.00 > 81.00	3.447	3.447	0.0	0.997	272195	1.15		97.1	443	M
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.447	3.447	0.0	1.000	335087	0.9864		104	471	M
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.447	3.447	0.0	0.914	1126346	0.9190	Target=4.89	96.5	1660	M
449.00 > 99.00	3.447	3.447	0.0	0.914	232999		4.83(2.44-7.33)		844	M
D 14 13C4 PFOA										
417.00 > 372.00	3.456	3.456	0.0	1.000	2331883	1.27		101	3531	
* 62 13C2 PFOA										
415.00 > 370.00	3.456	3.456	0.0		2414483	1.25			5797	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.456	3.456	0.0	1.000	2013331	0.9624	Target=2.67	96.2	227	M
413.00 > 169.00	3.456	3.456	0.0	1.000	735876		2.74(1.34-4.01)		1069	M
D 18 13C4 PFOS										
503.00 > 80.00	3.773	3.773	0.0	1.092	1185015	1.12		94.1	2224	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.773	3.773	0.0	1.000	922639	0.9167	Target=4.88	98.8	537	M
499.00 > 99.00	3.773	3.773	0.0	1.000	207263		4.45(2.44-7.32)		881	M
20 Perfluorononanoic acid										M
463.00 > 419.00	3.792	3.792	0.0	1.000	1893631	0.9536	Target=8.23	95.4	649	
463.00 > 169.00	3.792	3.792	0.0	1.000	237017		7.99(4.11-12.34)		1242	M
D 19 13C5 PFNA										
468.00 > 423.00	3.792	3.792	0.0	1.097	2439529	1.28		102	2095	
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.940	3.940	0.0	1.044	1643722	0.9383		101	3302	
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.071	4.060	0.011	1.079	750279	0.9663	Target=2.53	101	2559	
549.00 > 99.00	4.071	4.060	0.011	1.079	288797		2.60(1.26-3.79)		993	
D 23 13C2 PFDA										M
515.00 > 470.00	4.093	4.092	0.001	1.184	2411990	1.30		104	2114	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	4.093	4.092	0.001	1.000	2026993	1.00	Target=9.67	99.9	1221	
513.00 > 169.00	4.093	4.092	0.001	1.000	222681		9.10(4.83-14.50)		914	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.104	4.092	0.012	1.000	285874	1.00		104	2516	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.104	4.104	0.0	1.187	356214	1.25		105	1054	M
D 21 13C8 FOSA										
506.00 > 78.00	4.150	4.150	0.0	1.201	1934955	1.19		95.1	2126	
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.150	4.161	-0.011	1.000	1553508	0.9849		98.5	1879	
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.238	4.238	0.0	1.226	309346	1.24		99.3	673	M
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.249	4.238	0.011	1.003	227090	1.03		103	346	M
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.342	4.330	0.012	1.151	590174	1.02	Target=2.80	106	2046	
599.00 > 99.00	4.342	4.330	0.012	1.151	225544		2.62(1.40-4.20)		1051	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.365	4.364	0.001	1.263	1785824	1.27		101	1326	M
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.365	4.364	0.001	1.000	1568166	1.04	Target=9.07	104	1334	
563.00 > 169.00	4.365	4.364	0.001	1.000	172332		9.10(4.54-13.61)		1381	
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.376	4.376	0.0	1.266	292608	1.24		99.3	875	
33 N-ethylperfluorooctanesulfonamid										
584.00 > 419.00	4.387	4.376	0.011	1.003	202757	0.9540		95.4	792	M
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.465	4.465	0.0	1.183	2256254	0.9896		105	4184	
D 36 13C2 PFDaA										
615.00 > 570.00	4.602	4.601	0.001	1.331	1940904	1.33		106	3674	
37 Perfluorododecanoic acid										
613.00 > 569.00	4.612	4.601	0.011	1.002	1511974	0.9602	Target=6.97	96.0	165	M
613.00 > 169.00	4.602	4.601	0.001	1.000	235089		6.43(3.48-10.45)		1239	M
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.622	4.622	0.0	1.126	144643	1.08		112	1264	
75 Perfluorododecanesulfonic acid (										
699.00 > 80.00	4.785	4.776	0.009	1.268	248147	0.9673	Target=0.52	99.9	2088	
699.00 > 99.00	4.785	4.776	0.009	1.268	477263		0.52(0.26-0.79)		2058	
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.825	4.813	0.012	1.048	1539890	1.13	Target=4.56	113	184	M
663.00 > 169.00	4.825	4.813	0.012	1.048	320259		4.81(2.28-6.84)		1115	M
D 43 13C2 PFTeDA										
715.00 > 670.00	5.022	5.012	0.010	1.453	1681841	1.41		113	5297	
42 Perfluorotetradecanoic acid										
713.00 > 169.00	5.022	5.012	0.010	1.000	207181	0.9611	Target=0.94	96.1	1354	M
713.00 > 219.00	5.022	5.012	0.010	1.000	234737		0.88(0.47-1.41)		1327	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 44 13C2 PFHxDA										
815.00 > 770.00	5.378	5.366	0.012	1.556	1744501	1.28		103	4408	
45 Perfluorohexadecanoic acid										M
813.00 > 769.00	5.389	5.378	0.011	1.002	1302052	1.02	Target=4.38	102	238	M
813.00 > 169.00	5.389	5.378	0.011	1.002	291251		4.47(2.19-6.57)		1639	
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.740	5.713	0.027	1.067	1046404	1.13	Target=4.31	113	214	M
913.00 > 169.00	5.731	5.713	0.018	1.066	239289		4.37(2.16-6.47)		904	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PFAS32NCIC4_00033

Amount Added: 100.00

Units: uL

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B01.d

Injection Date: 11-Aug-2022 18:31:08

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

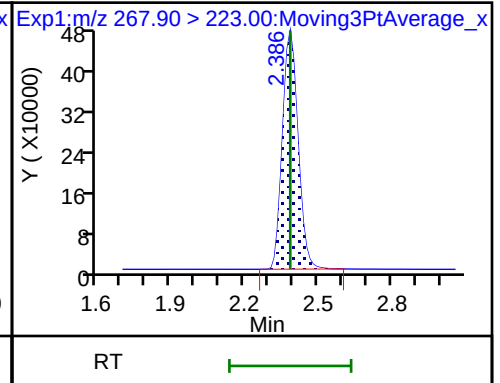
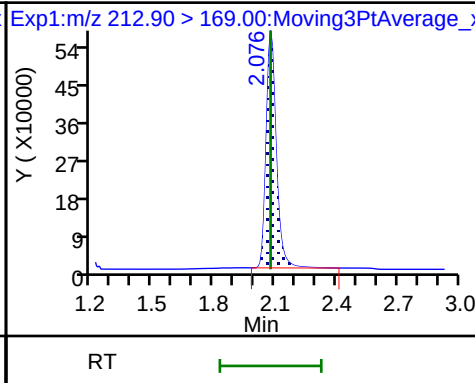
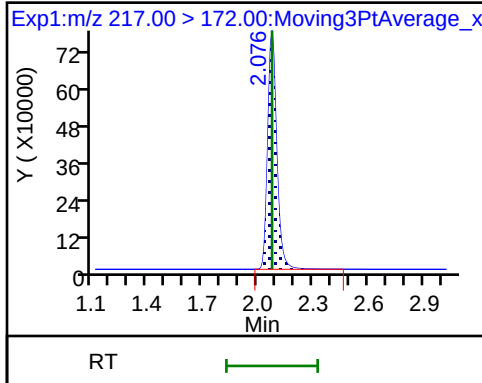
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid

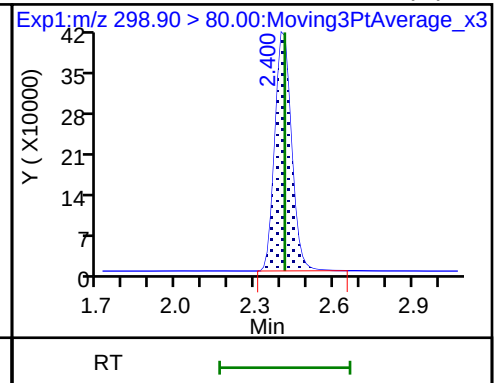
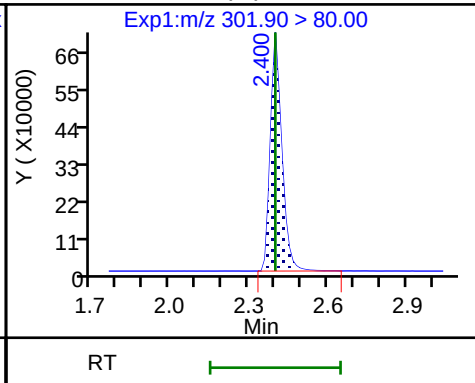
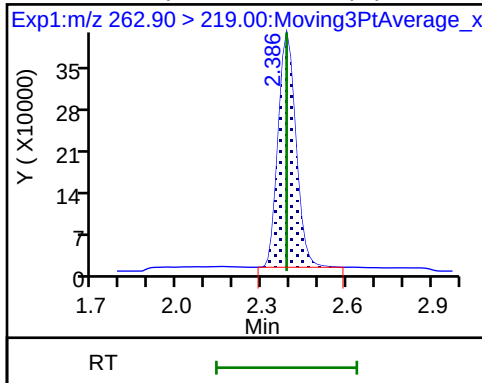
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

D 47 13C3 PFBS (M)

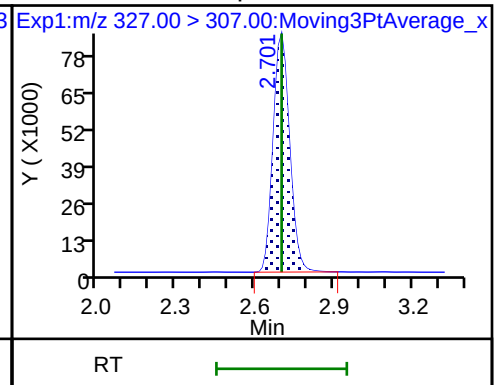
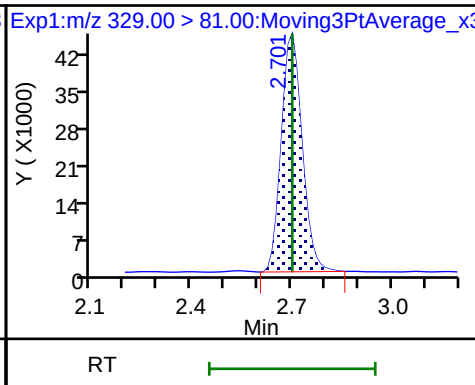
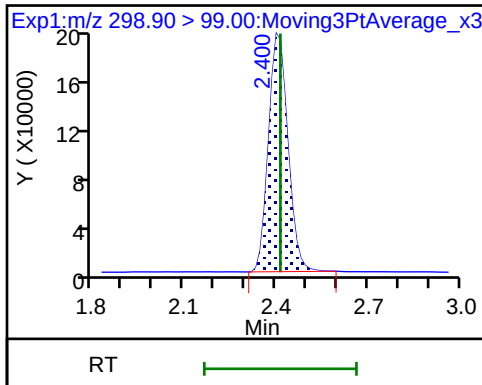
5 Perfluorobutanesulfonic acid (M)



5 Perfluorobutanesulfonic acid

D 60 M2-4:2 FTS

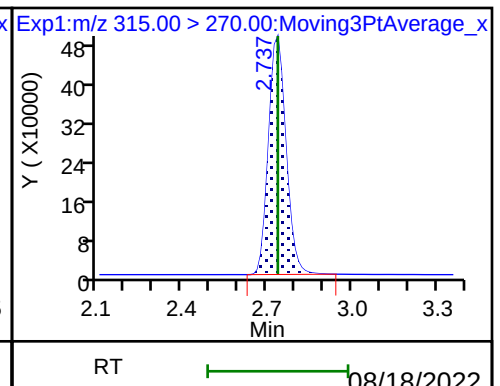
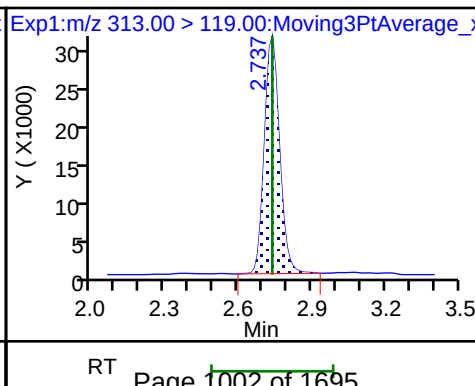
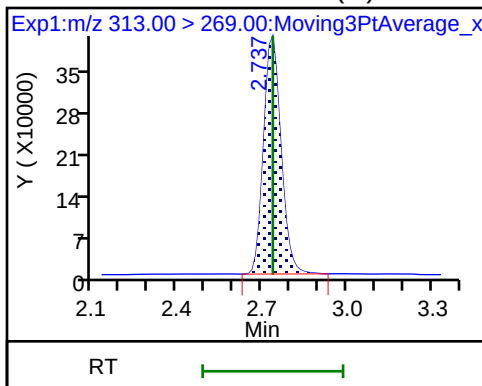
61 1H,1H,2H,2H-perfluorohexanesulfo

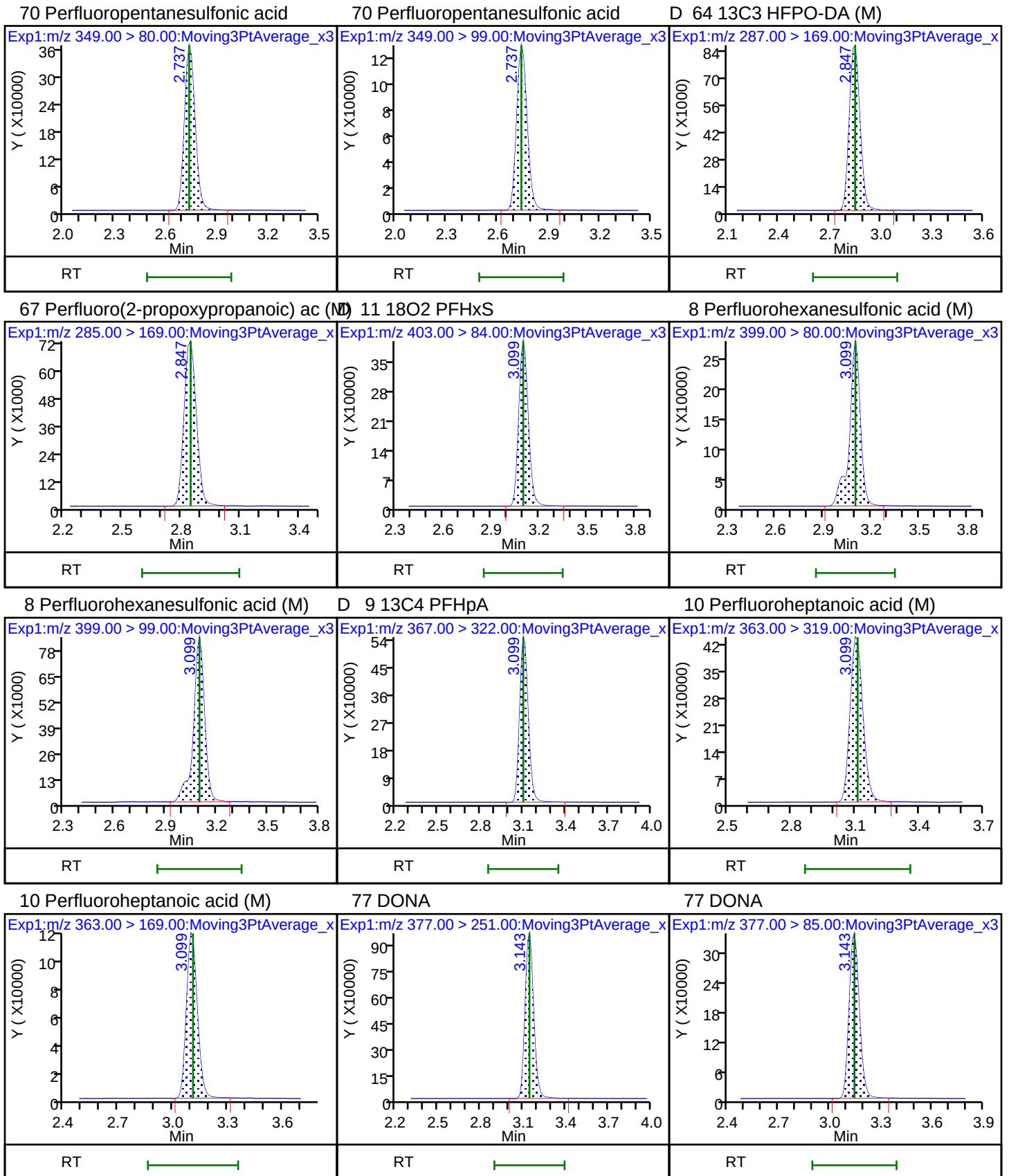


6 Perfluorohexanoic acid (M)

6 Perfluorohexanoic acid

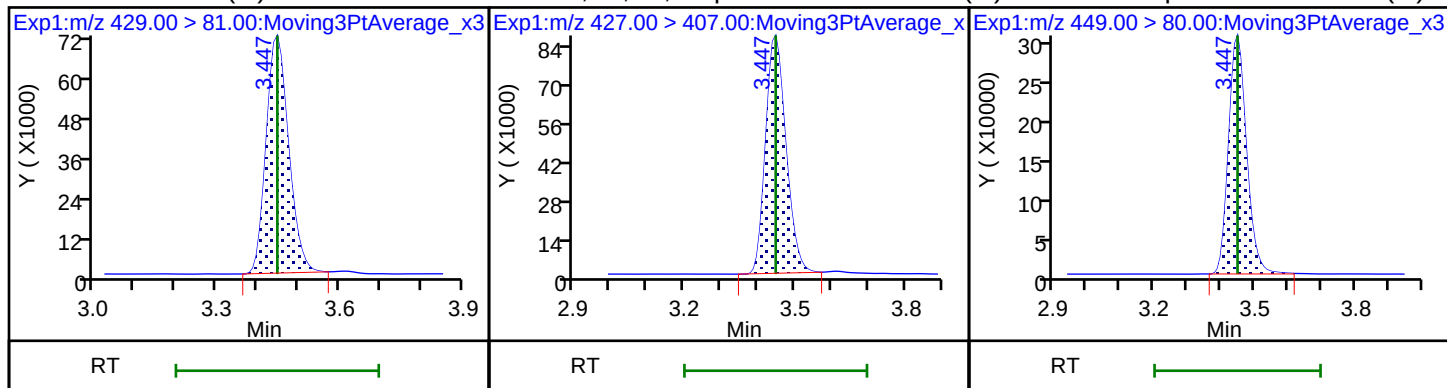
D 7 13C2 PFHxA





D 12 M2-6:2 FTS (M)

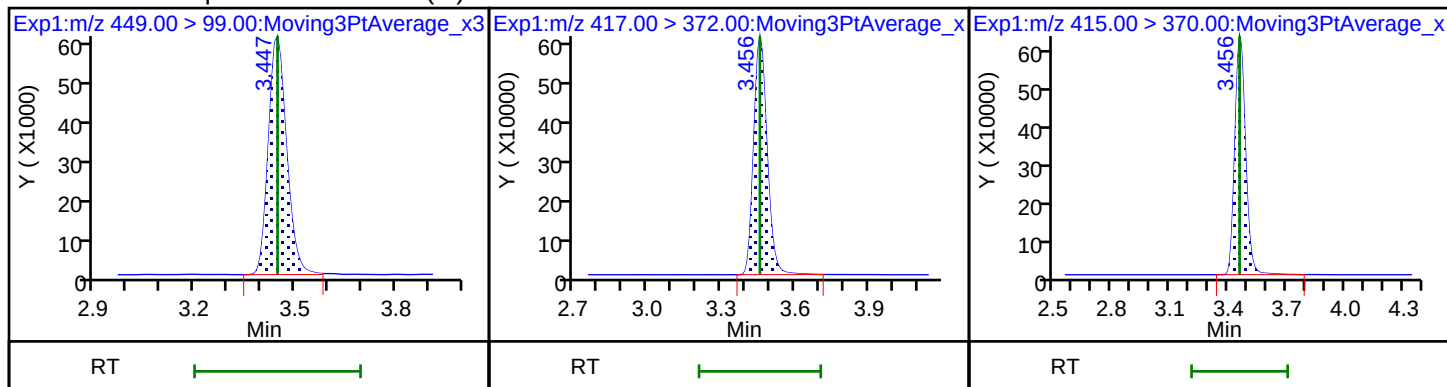
13 1H,1H,2H,2H-perfluorooctanesulfo (M) 16 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M)

D 14 13C4 PFOA

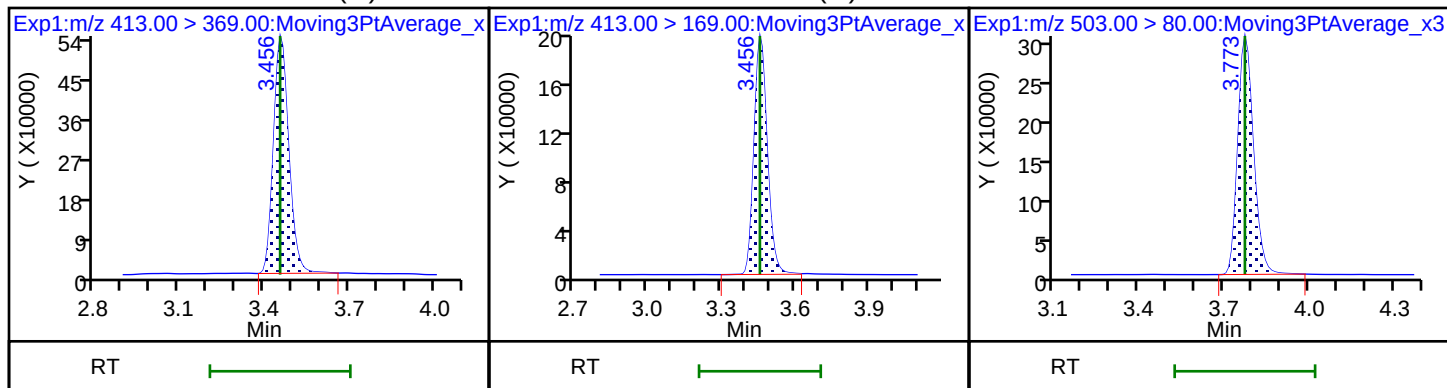
* 62 13C2 PFOA



15 Perfluorooctanoic acid (M)

15 Perfluorooctanoic acid (M)

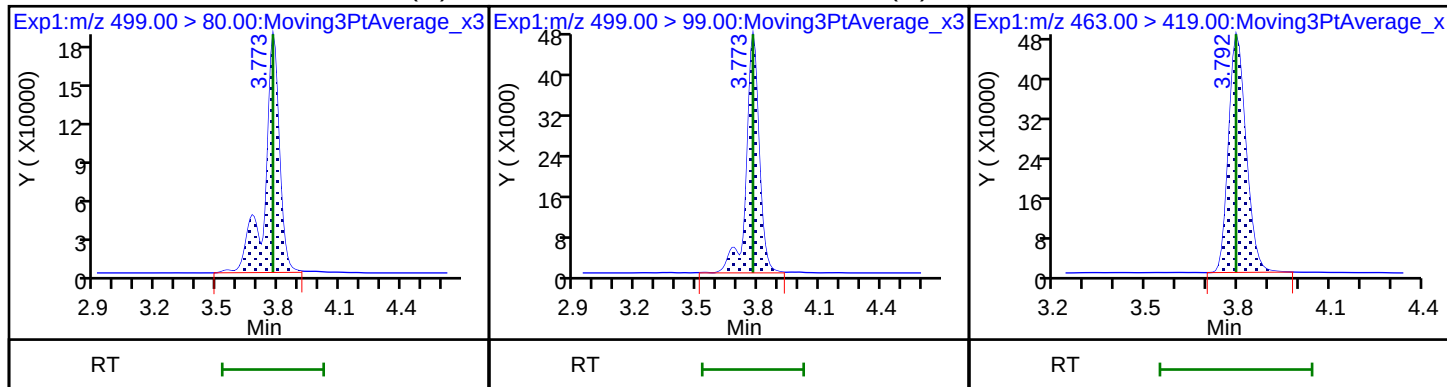
D 18 13C4 PFOS

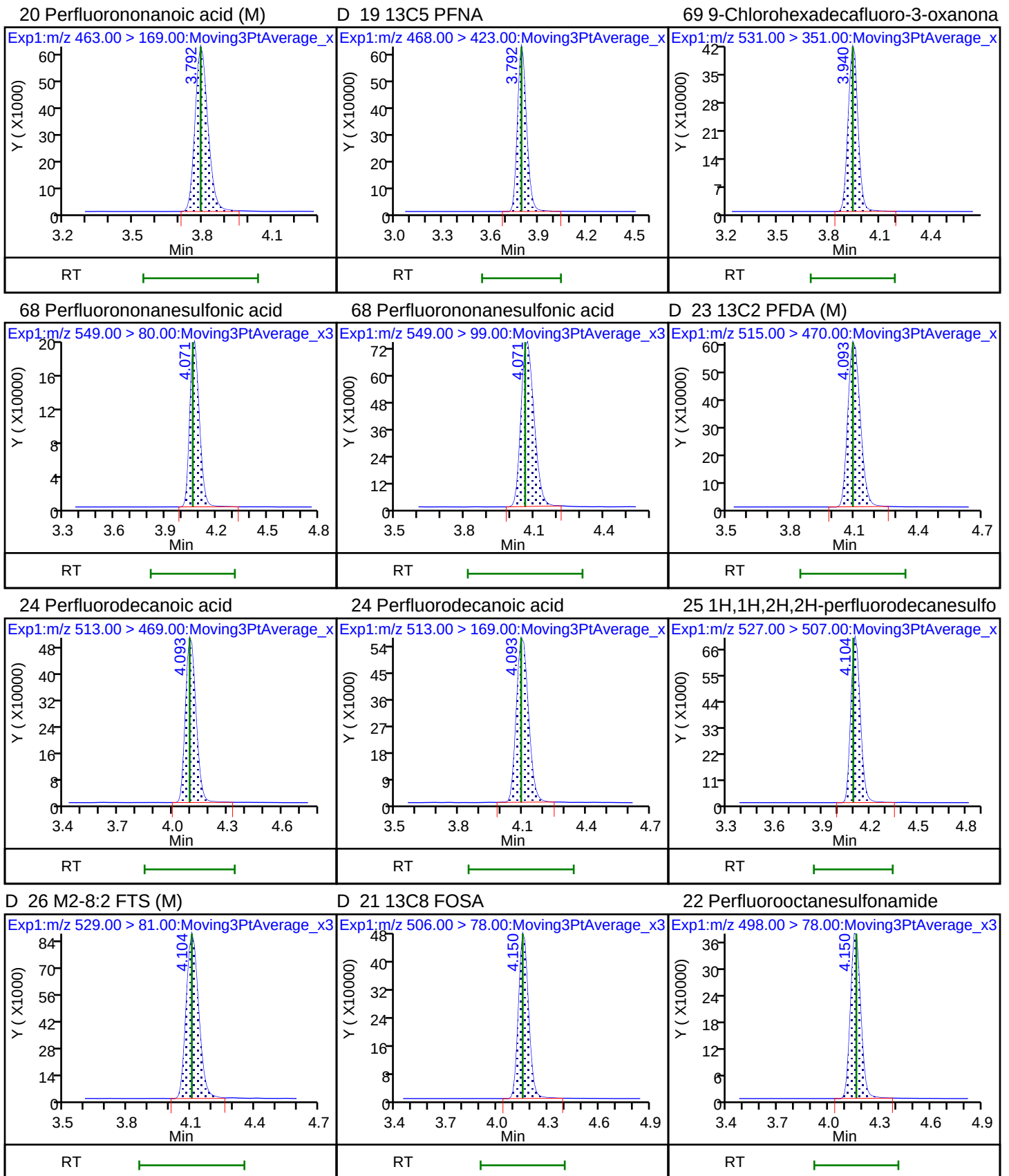


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

20 Perfluorononanoic acid

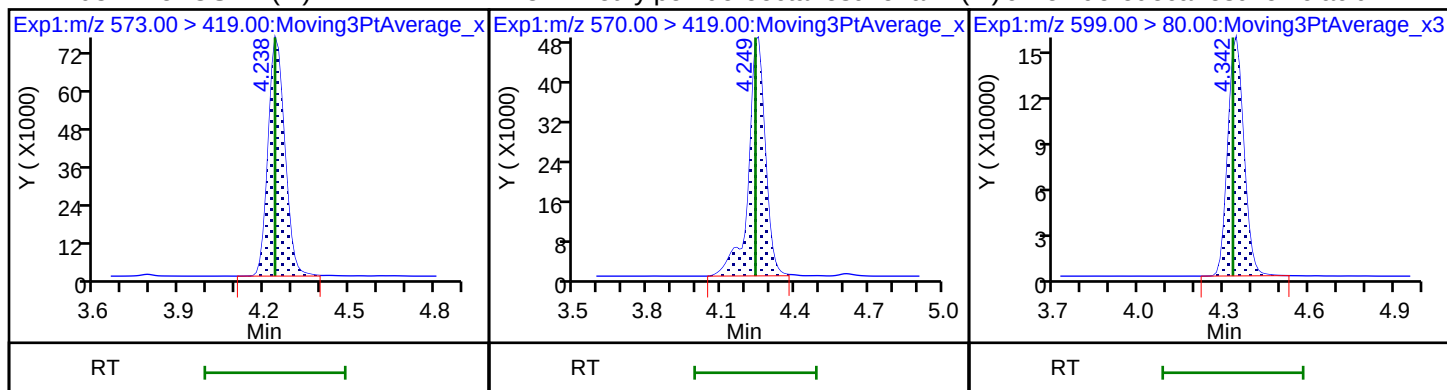




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami (M)

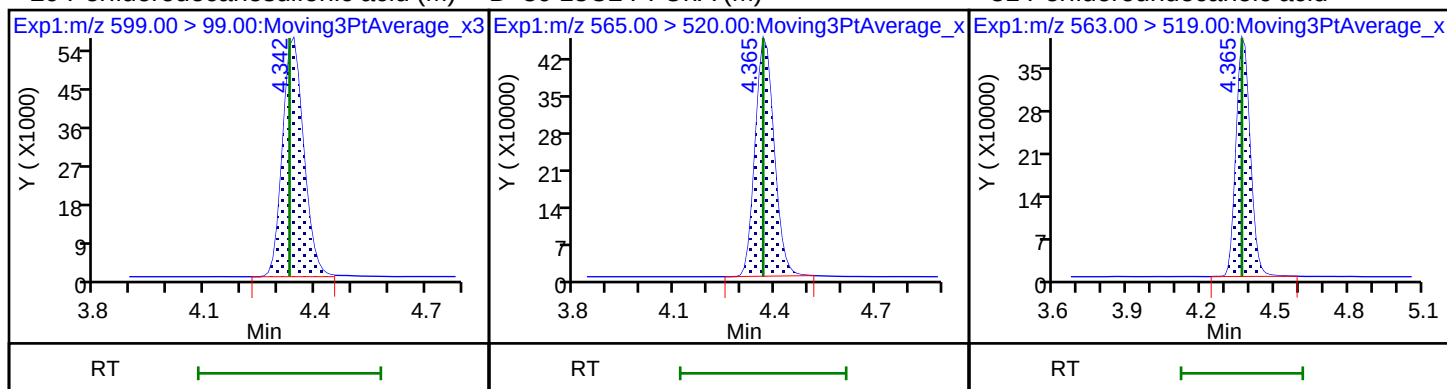
29 Perfluorodecanesulfonic acid



29 Perfluorodecanesulfonic acid (M)

D 30 13C2 PFUnA (M)

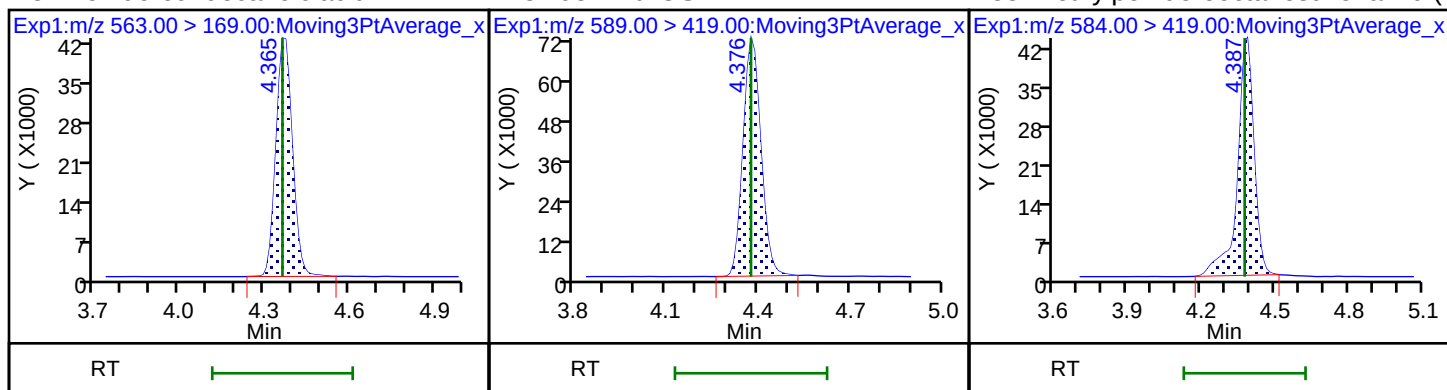
31 Perfluoroundecanoic acid



31 Perfluoroundecanoic acid

D 32 d5-NEtFOSAA

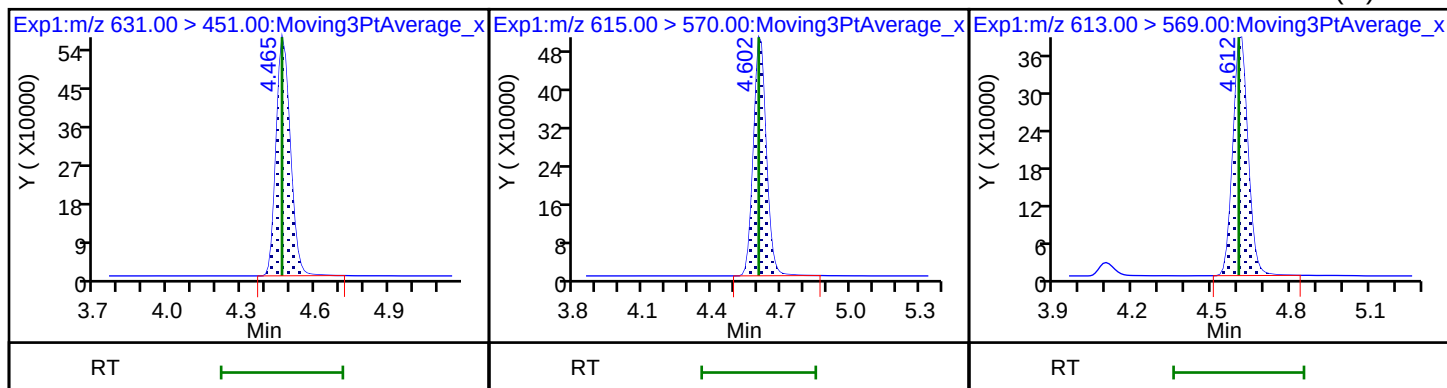
33 N-ethylperfluorooctanesulfonamid (M)

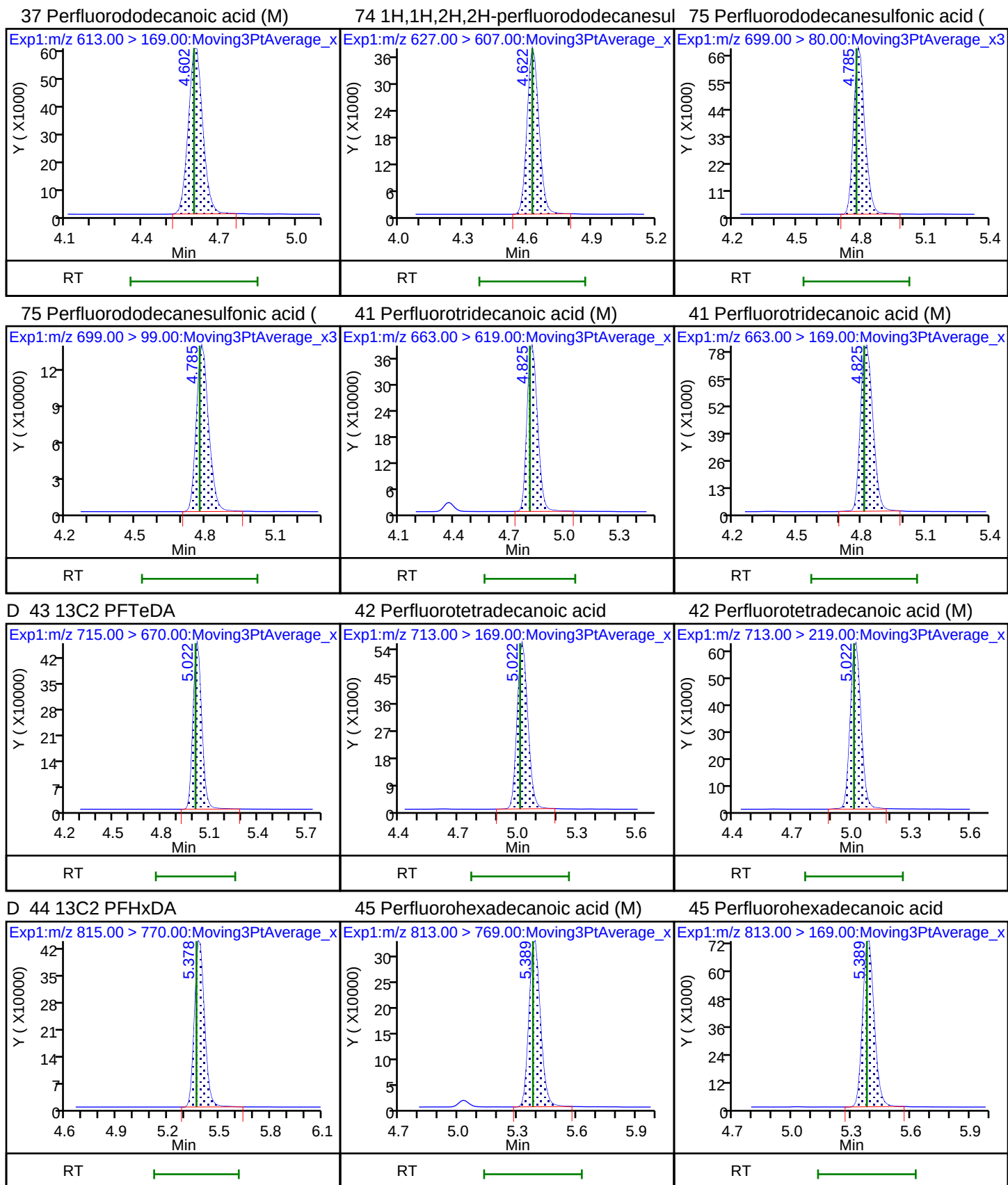


66 11-Chloroeicosafluoro-3-oxaundec

D 36 13C2 PFDaA

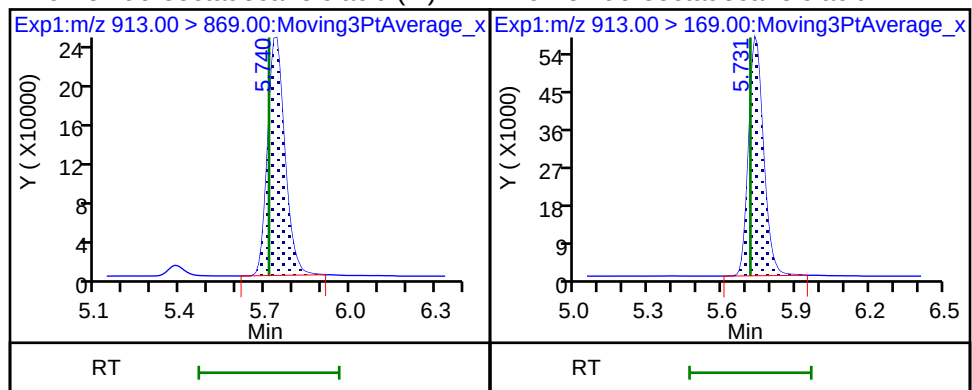
37 Perfluorododecanoic acid (M)





46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid



Eurofins Burlington

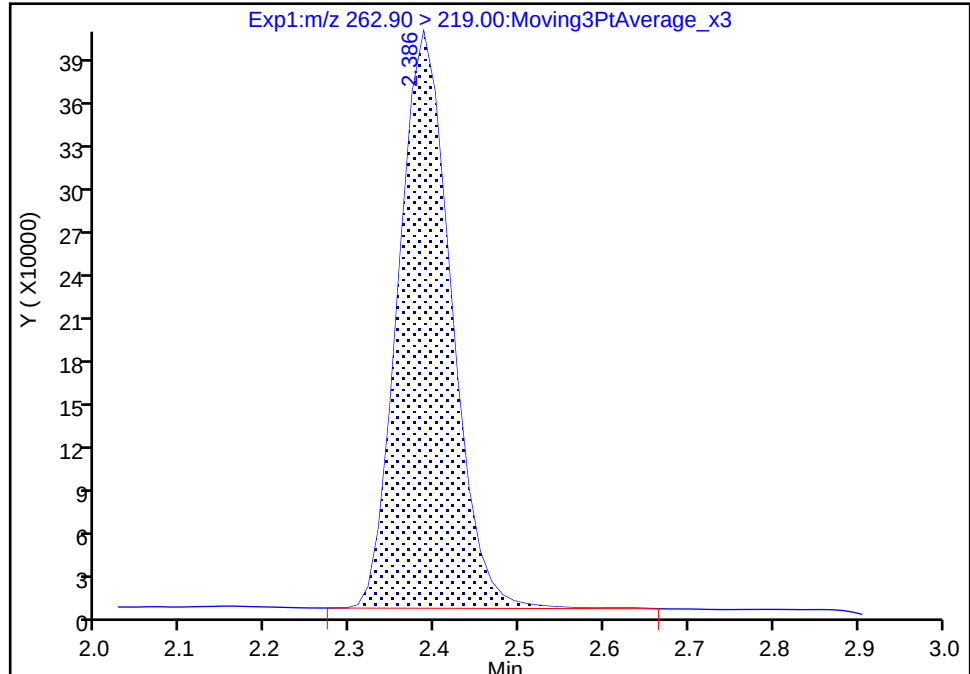
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B01.d
Injection Date: 11-Aug-2022 18:31:08 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

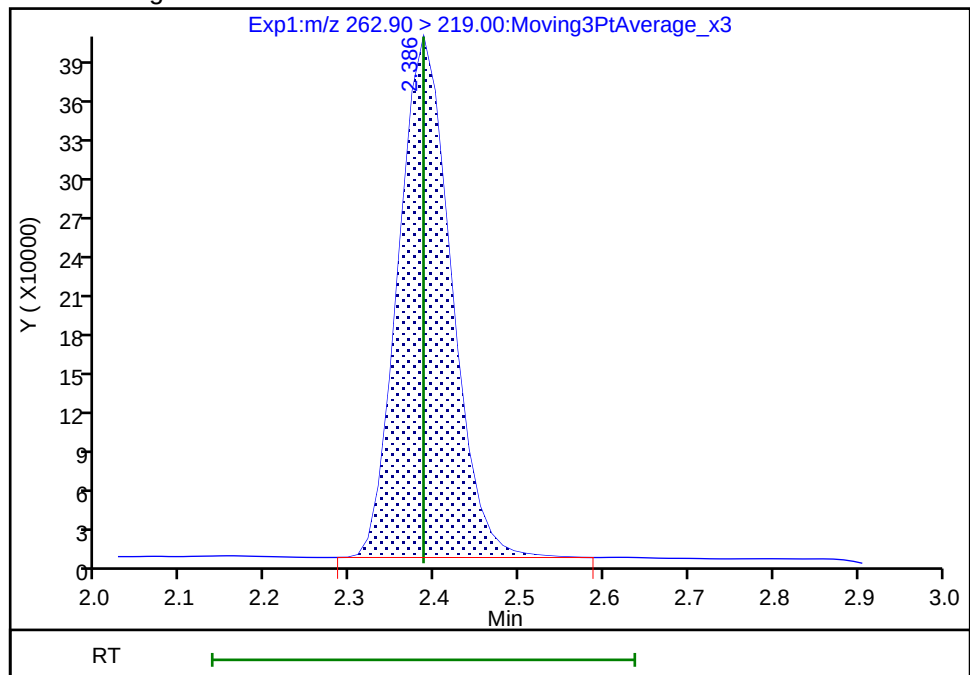
RT: 2.39
Area: 1744995
Amount: 1.013186
Amount Units: ng/ml

Processing Integration Results



RT: 2.39
Area: 1739140
Amount: 1.009786
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 07:53:53

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

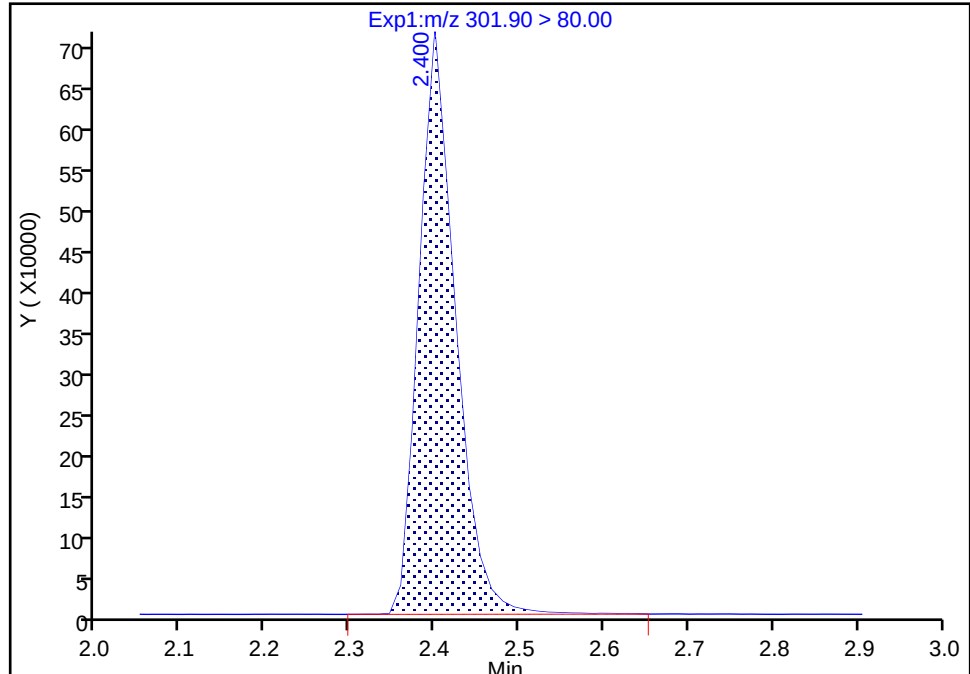
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B01.d
Injection Date: 11-Aug-2022 18:31:08 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

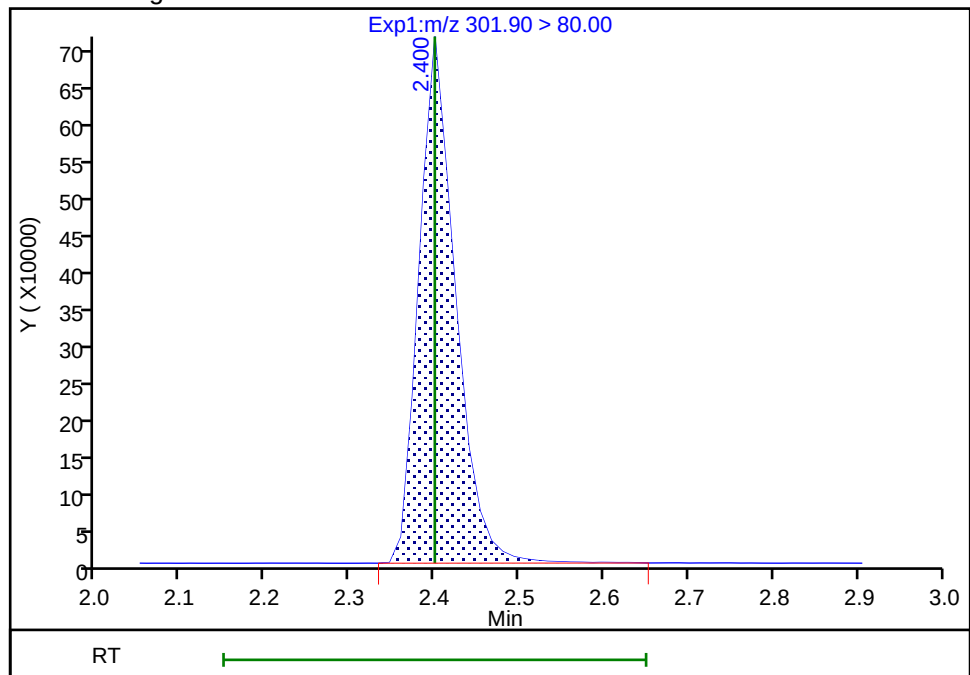
RT: 2.40
Area: 2135840
Amount: 1.064586
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 2135571
Amount: 1.064452
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 07:21:44

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

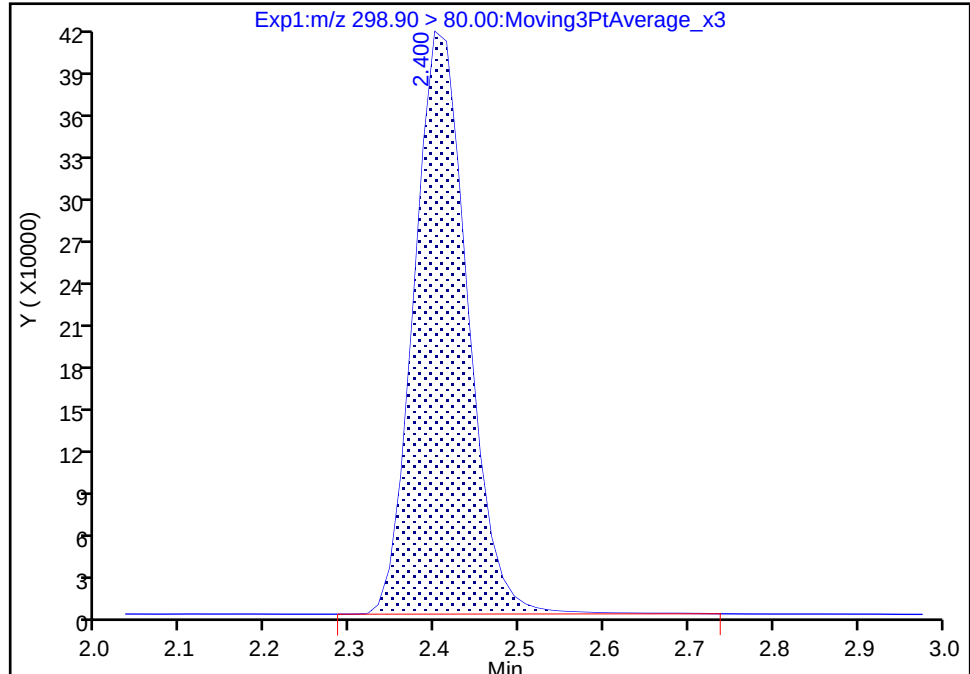
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B01.d
Injection Date: 11-Aug-2022 18:31:08 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

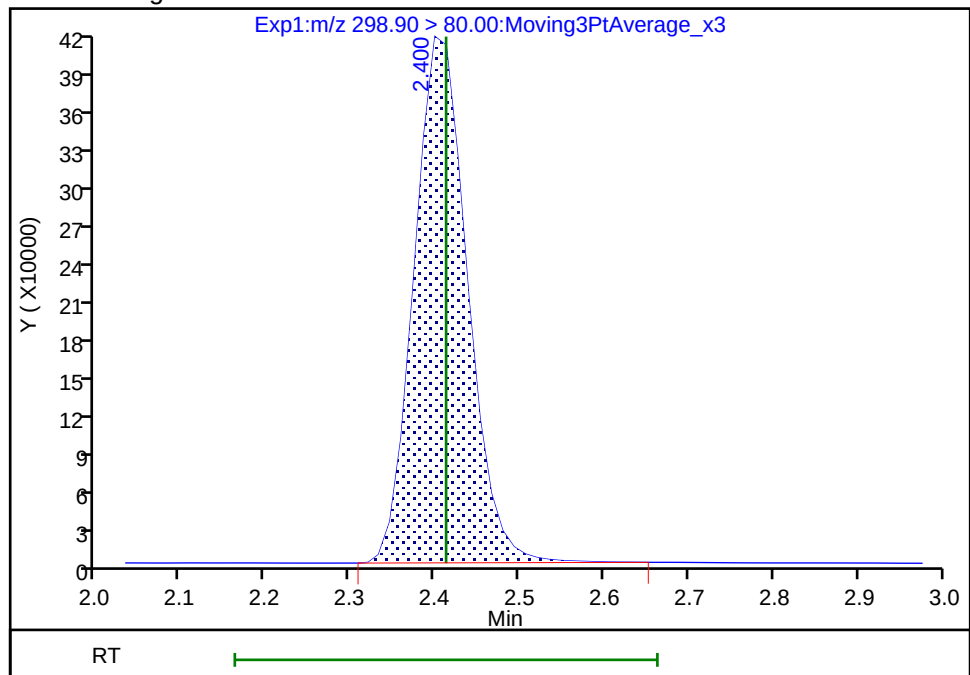
RT: 2.40
Area: 1837763
Amount: 0.906277
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 1833168
Amount: 0.904011
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 07:54:00
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

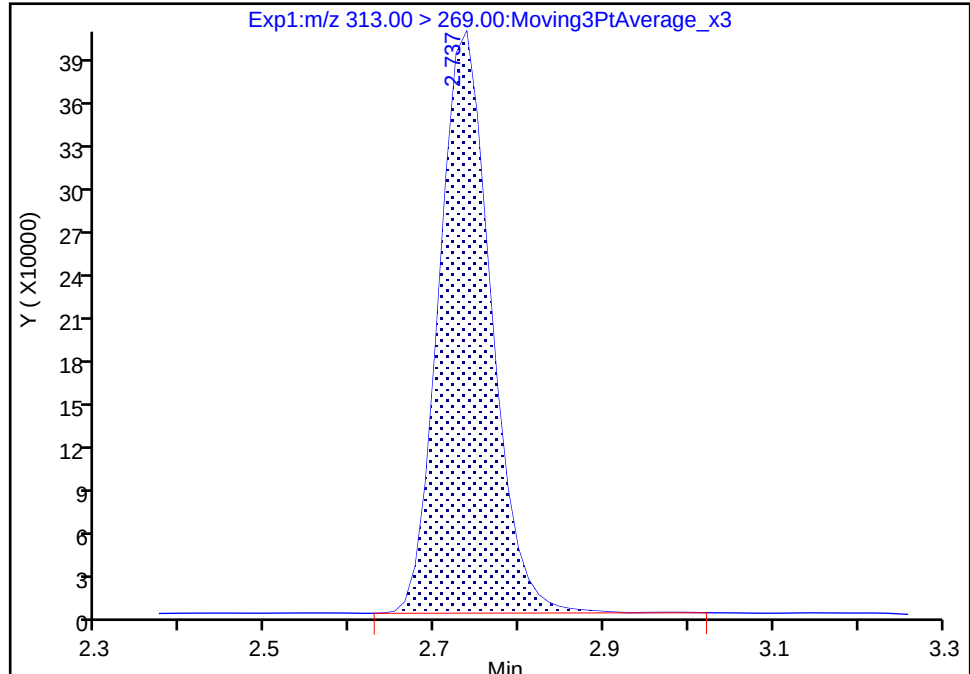
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B01.d
Injection Date: 11-Aug-2022 18:31:08 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

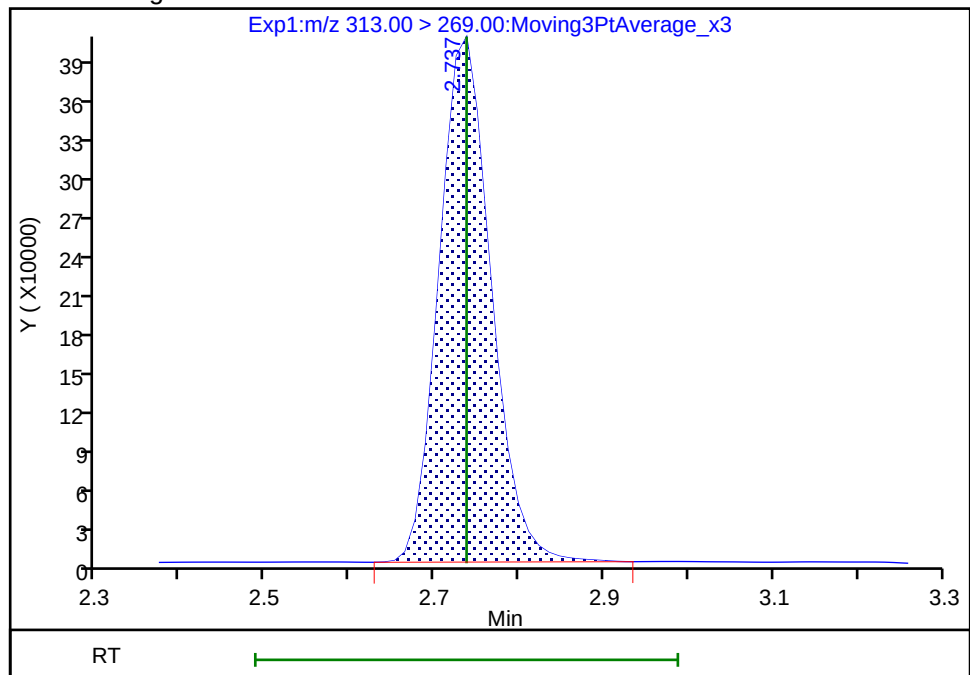
RT: 2.74
Area: 1722940
Amount: 0.970063
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 1720793
Amount: 0.968854
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 07:54:08

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

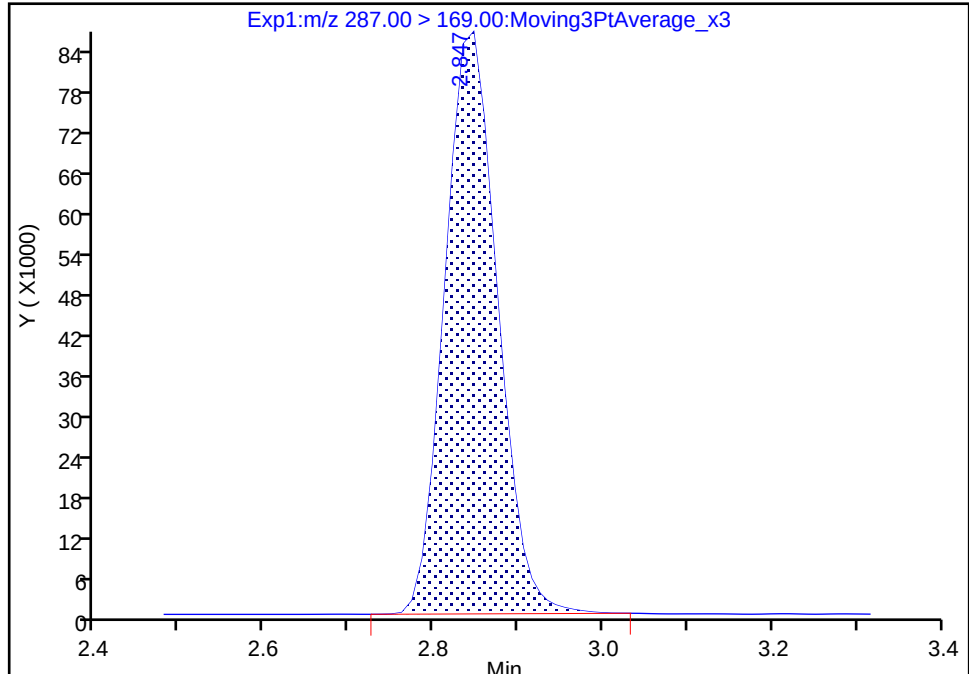
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B01.d
Injection Date: 11-Aug-2022 18:31:08 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 64 13C3 HFPO-DA, CAS: STL02255

Signal: 1

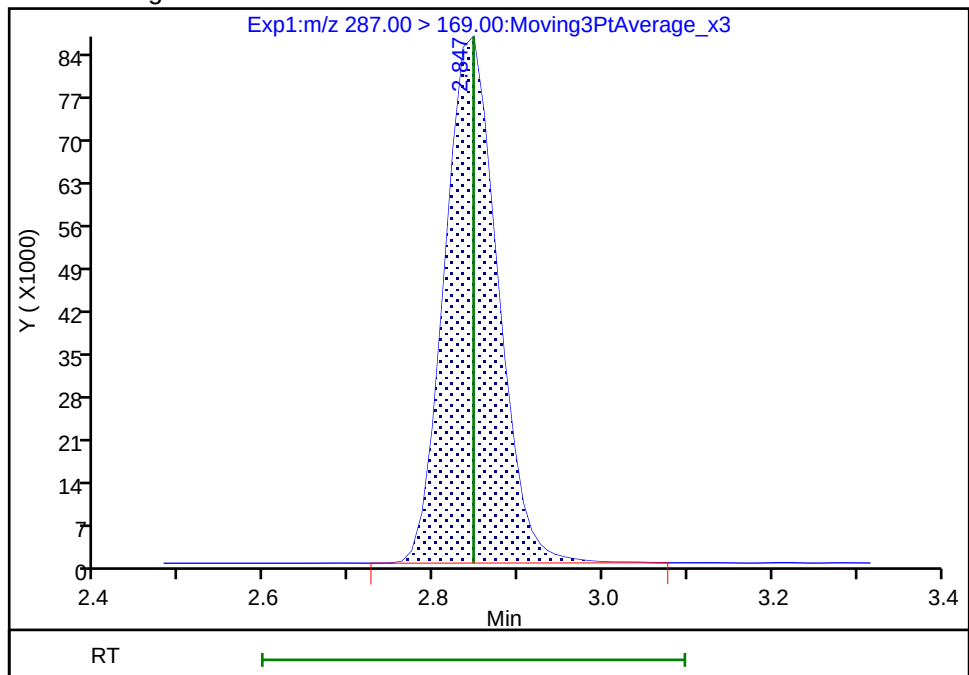
RT: 2.85
Area: 373968
Amount: 1.147784
Amount Units: ng/ml

Processing Integration Results



RT: 2.85
Area: 375021
Amount: 1.151016
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 07:21:54

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

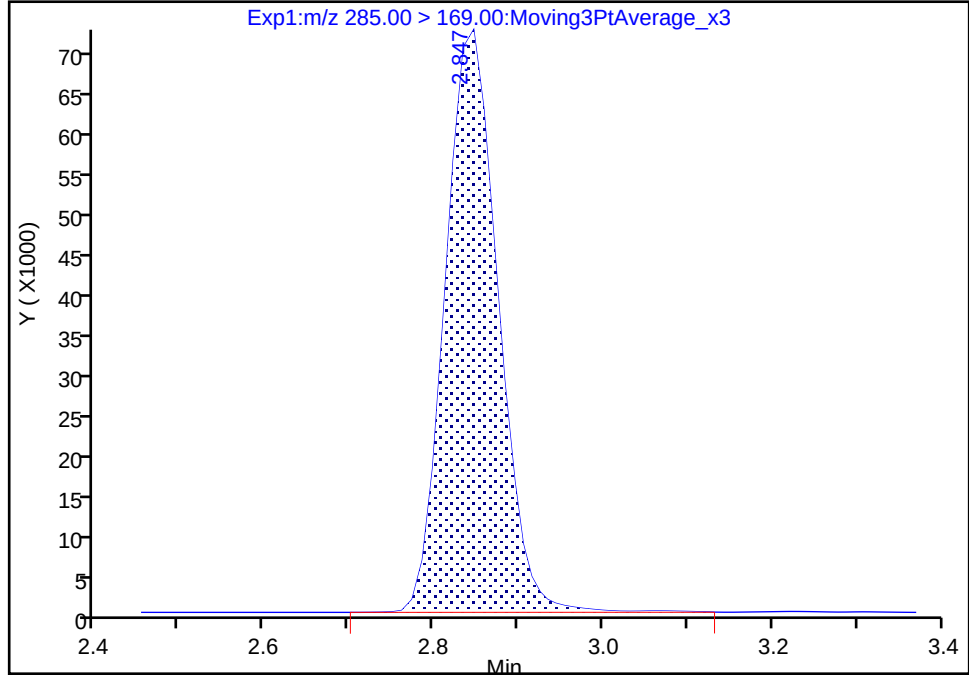
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B01.d
Injection Date: 11-Aug-2022 18:31:08 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

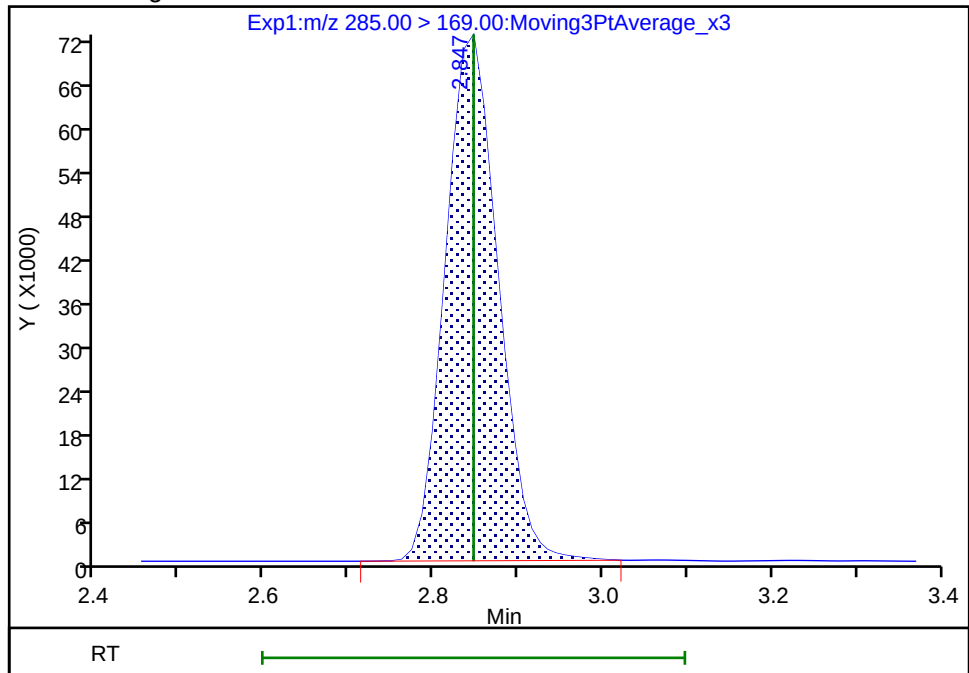
RT: 2.85
Area: 317000
Amount: 0.983320
Amount Units: ng/ml

Processing Integration Results



RT: 2.85
Area: 315019
Amount: 0.977175
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 08:06:02
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

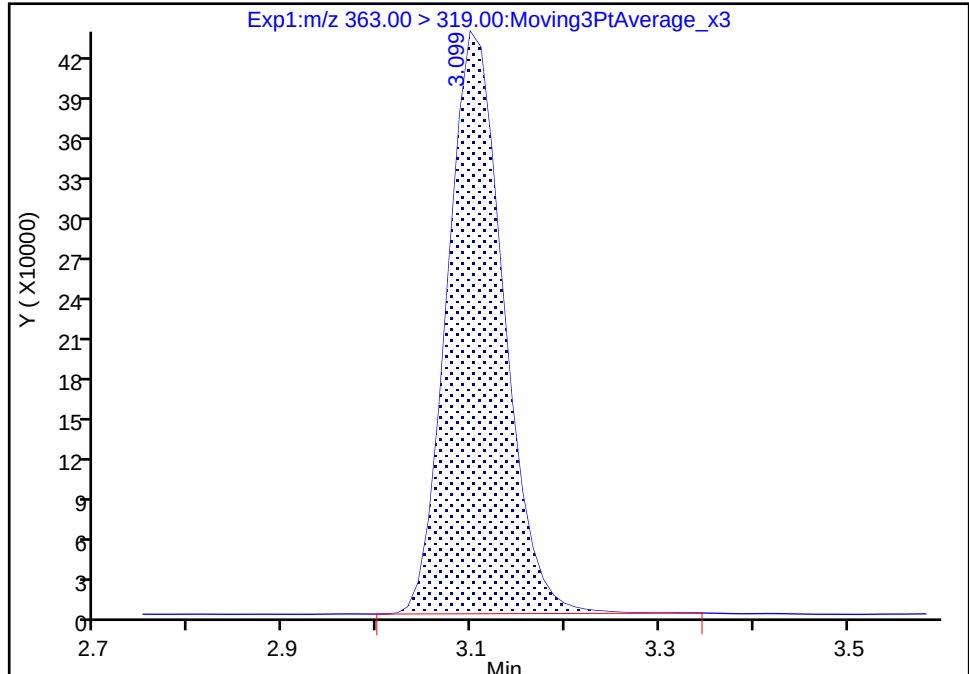
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B01.d
Injection Date: 11-Aug-2022 18:31:08 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

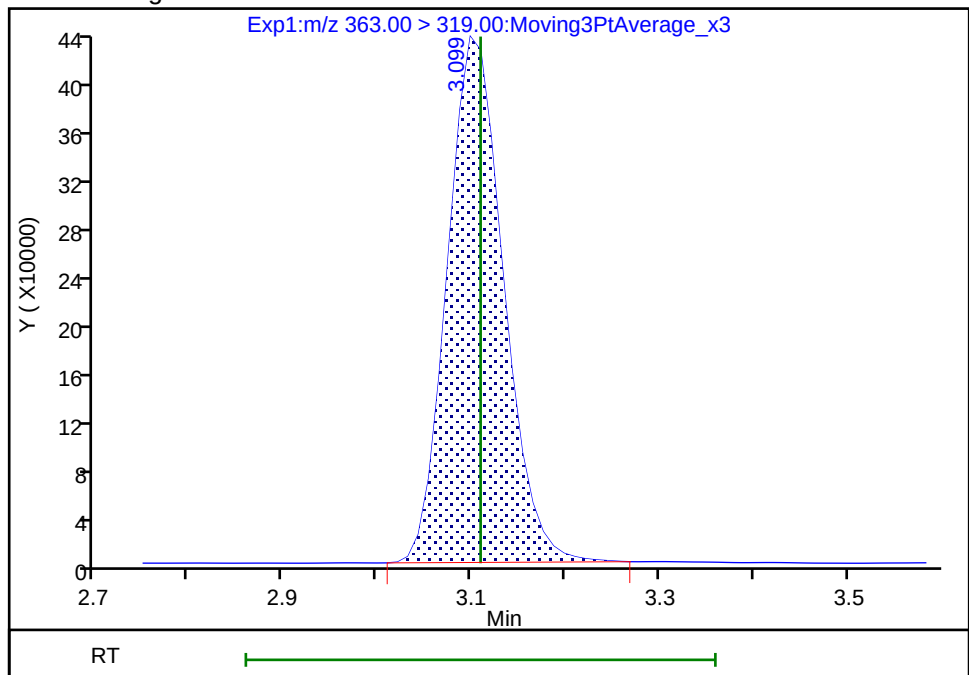
RT: 3.10
Area: 1800500
Amount: 0.973850
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 1795177
Amount: 0.970971
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 07:57:32

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

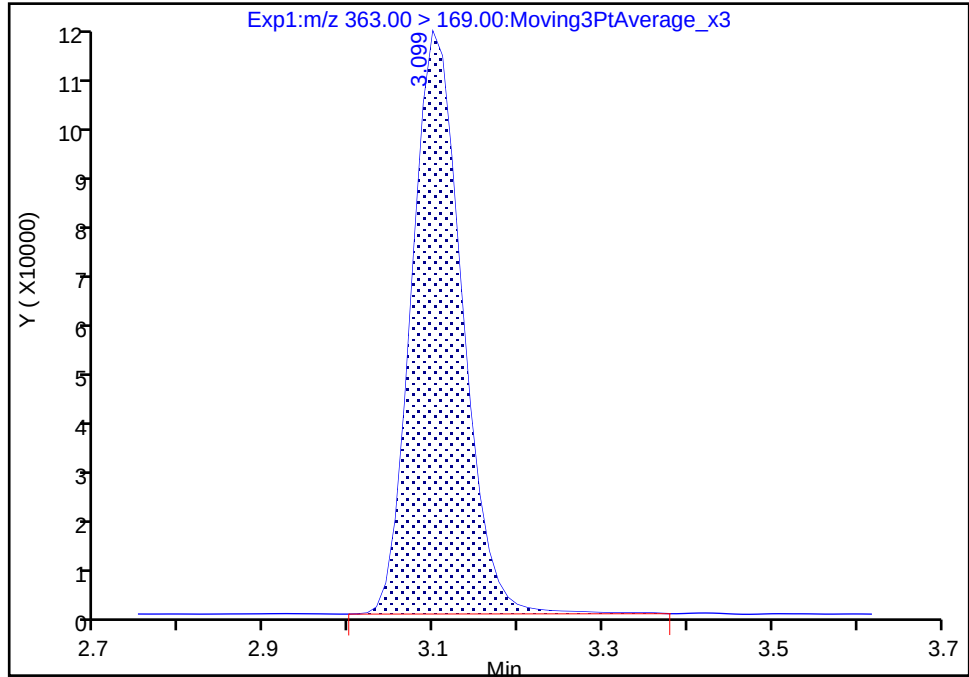
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B01.d
Injection Date: 11-Aug-2022 18:31:08 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

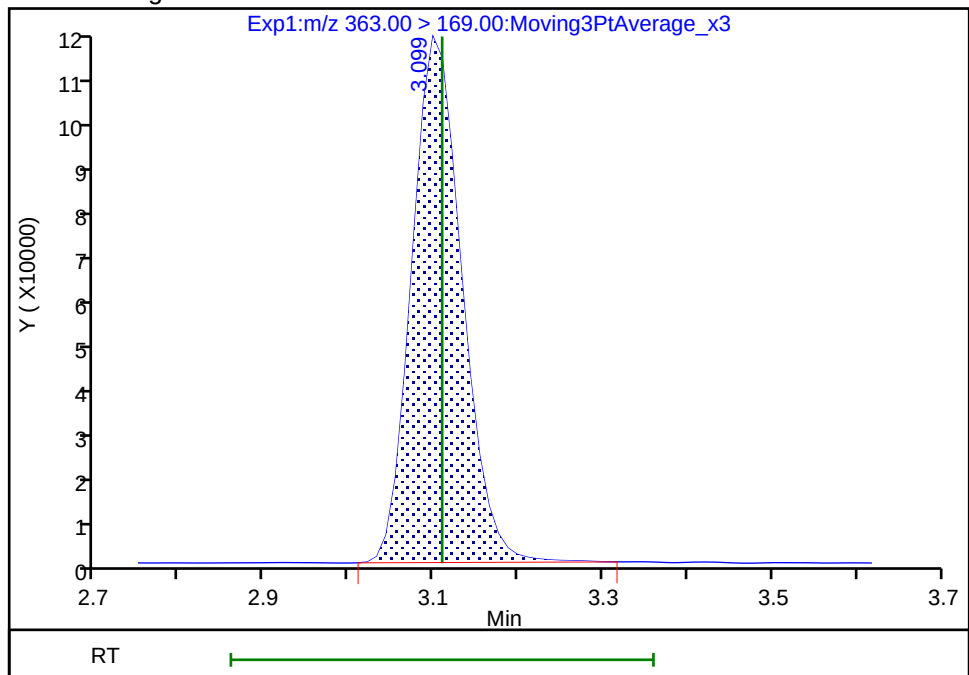
RT: 3.10
Area: 479975
Amount: 0.973850
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 477427
Amount: 0.970971
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 07:57:39

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

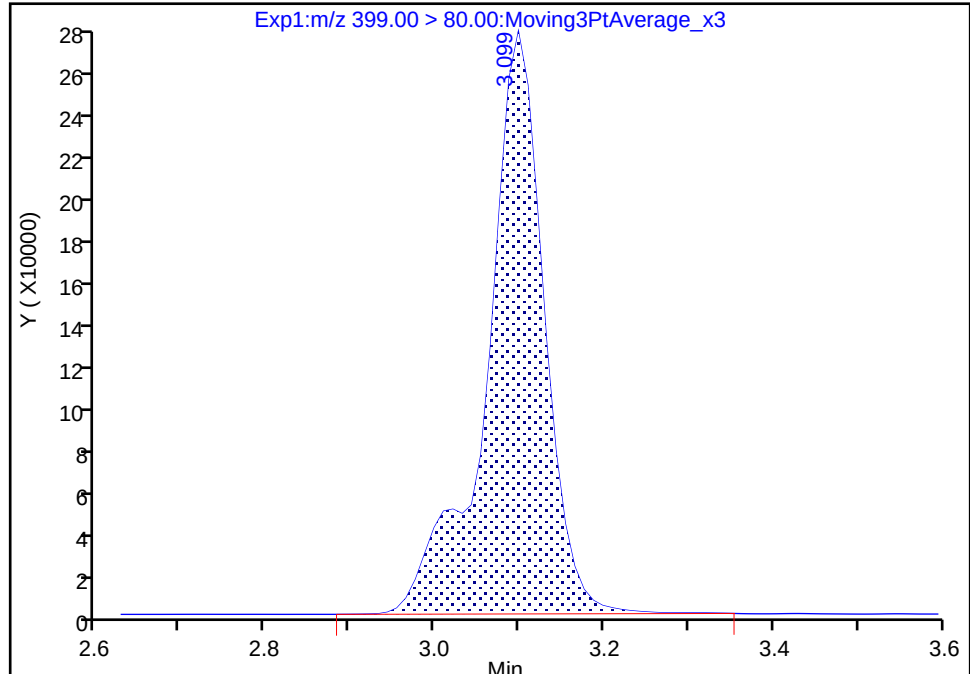
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B01.d
Injection Date: 11-Aug-2022 18:31:08 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

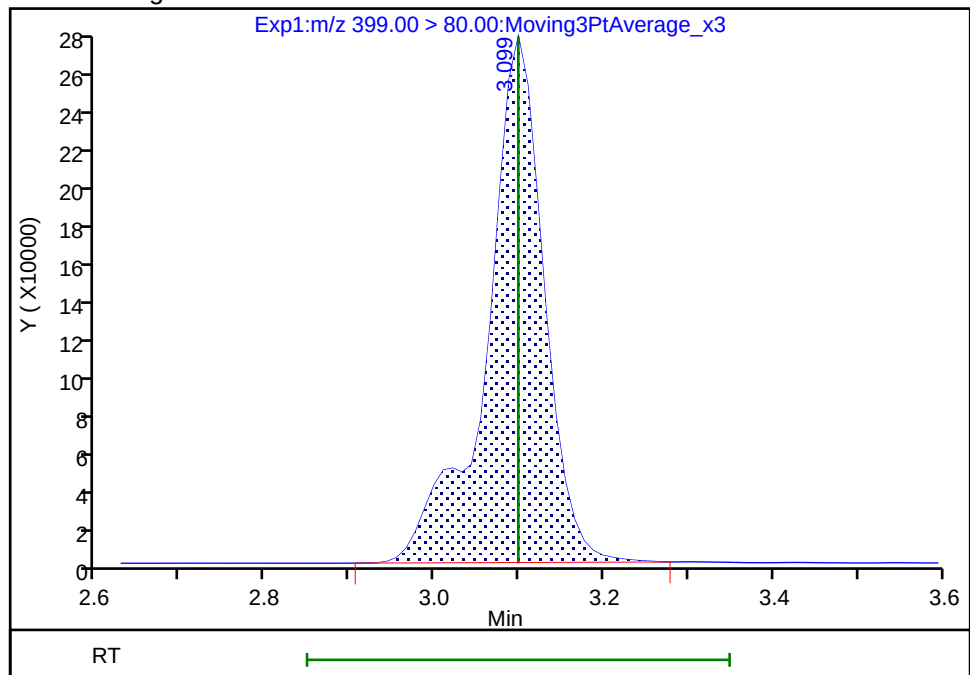
RT: 3.10
Area: 1316687
Amount: 0.877127
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 1311630
Amount: 0.873758
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 07:57:20
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1017 of 1695

08/18/2022

Eurofins Burlington

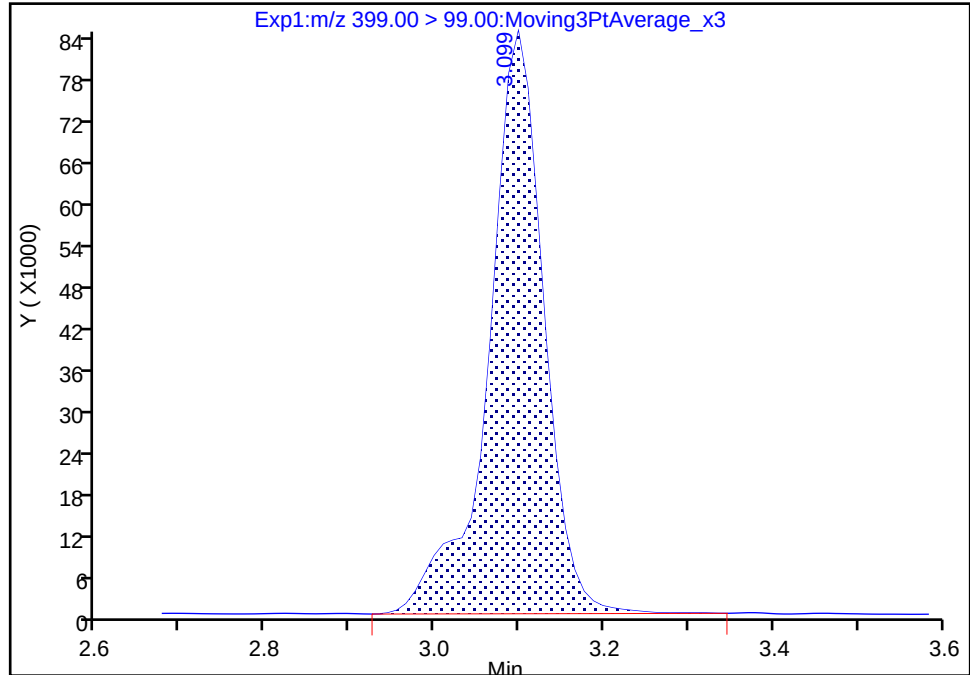
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B01.d
Injection Date: 11-Aug-2022 18:31:08 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

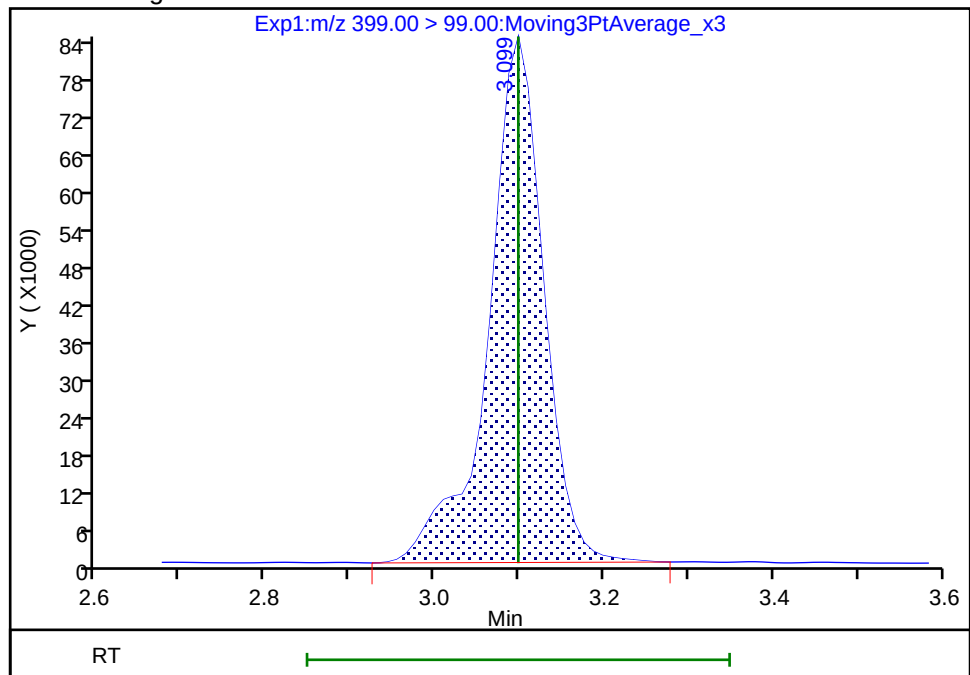
RT: 3.10
Area: 380388
Amount: 0.877127
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 379494
Amount: 0.873758
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 07:57:26

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

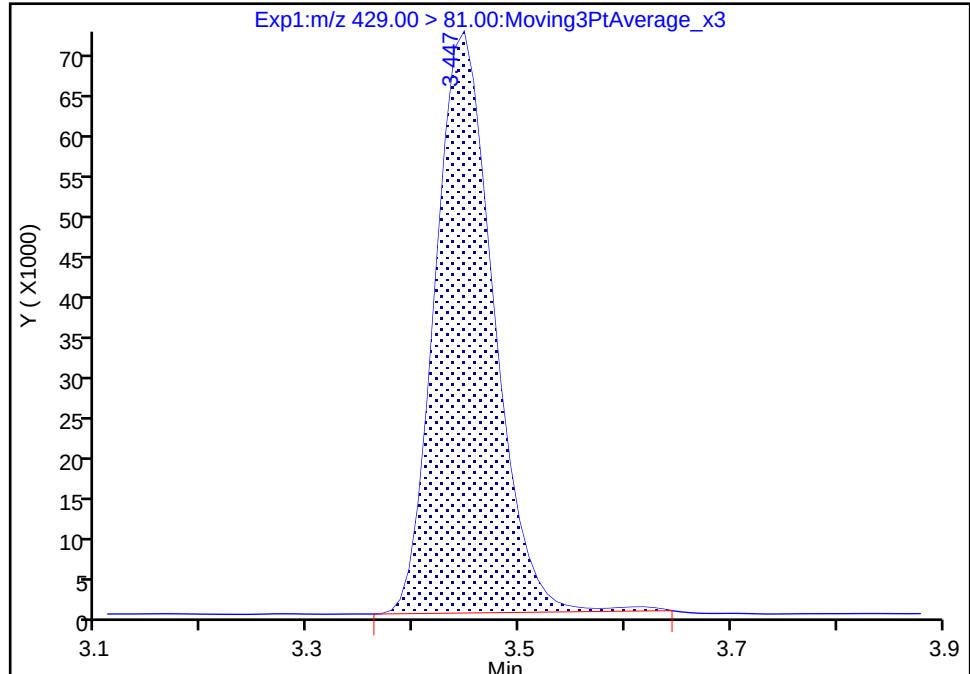
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B01.d
Injection Date: 11-Aug-2022 18:31:08 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

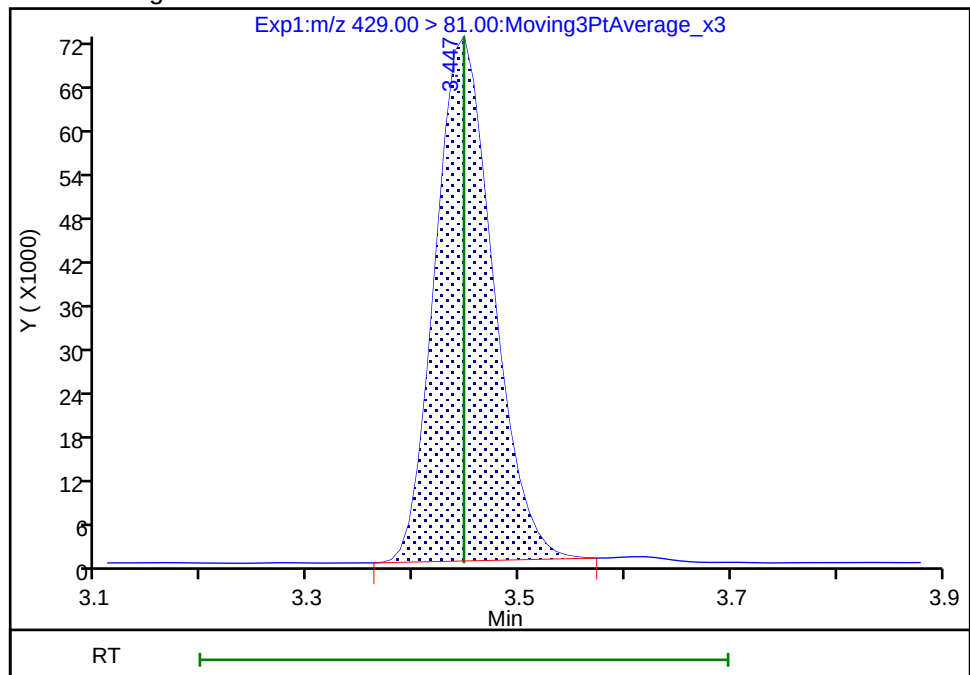
RT: 3.45
Area: 276003
Amount: 1.168681
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 272195
Amount: 1.152556
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 08:06:14
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1019 of 1695

08/18/2022

Eurofins Burlington

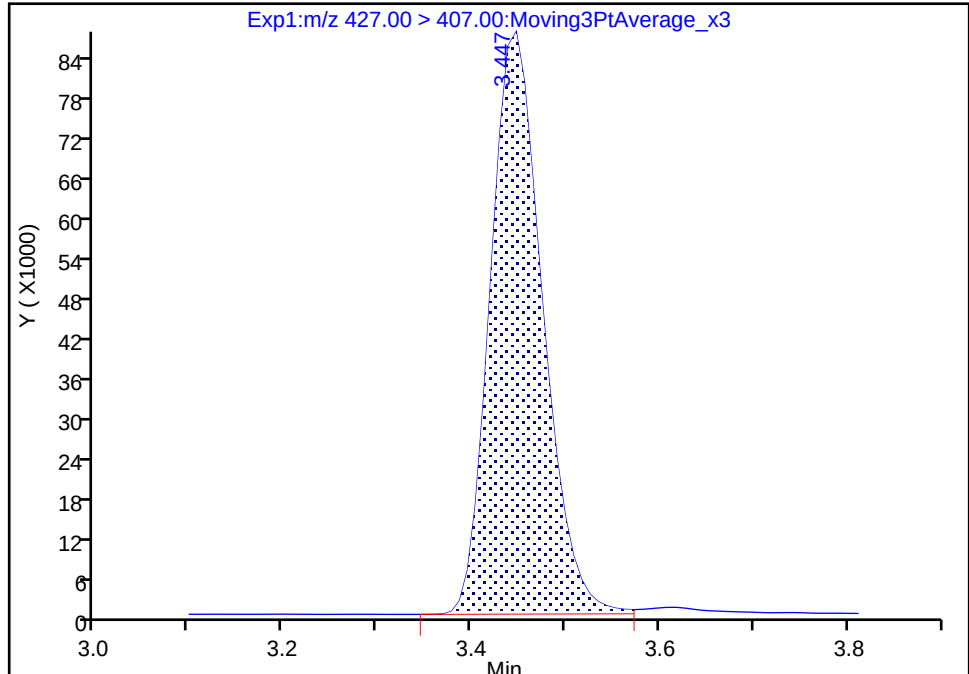
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B01.d
Injection Date: 11-Aug-2022 18:31:08 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

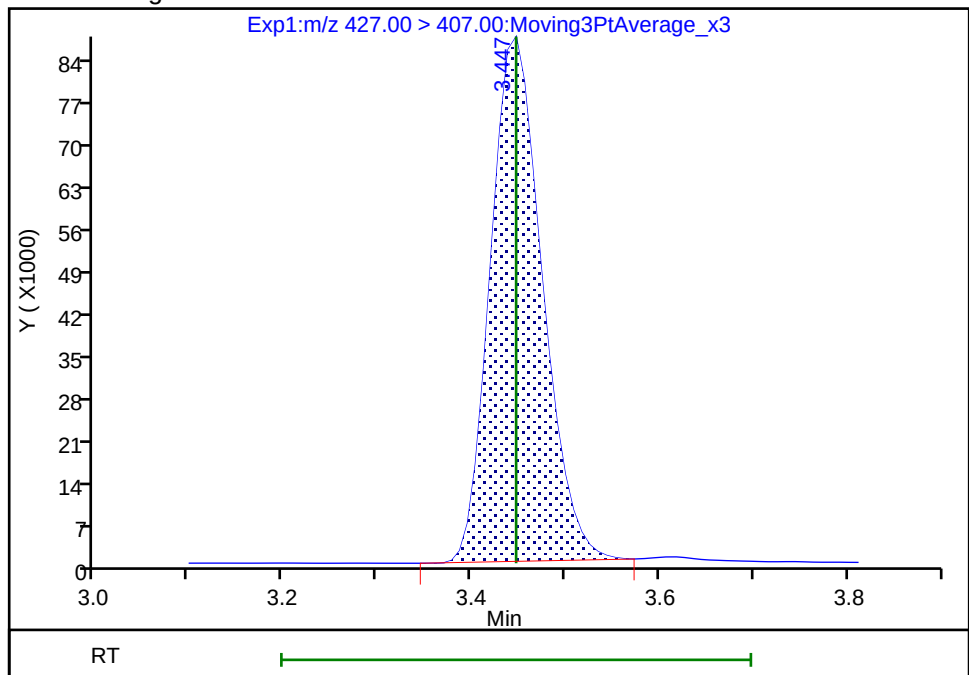
RT: 3.45
Area: 339324
Amount: 0.999091
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 335087
Amount: 0.986406
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 08:06:18
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1020 of 1695

08/18/2022

Eurofins Burlington

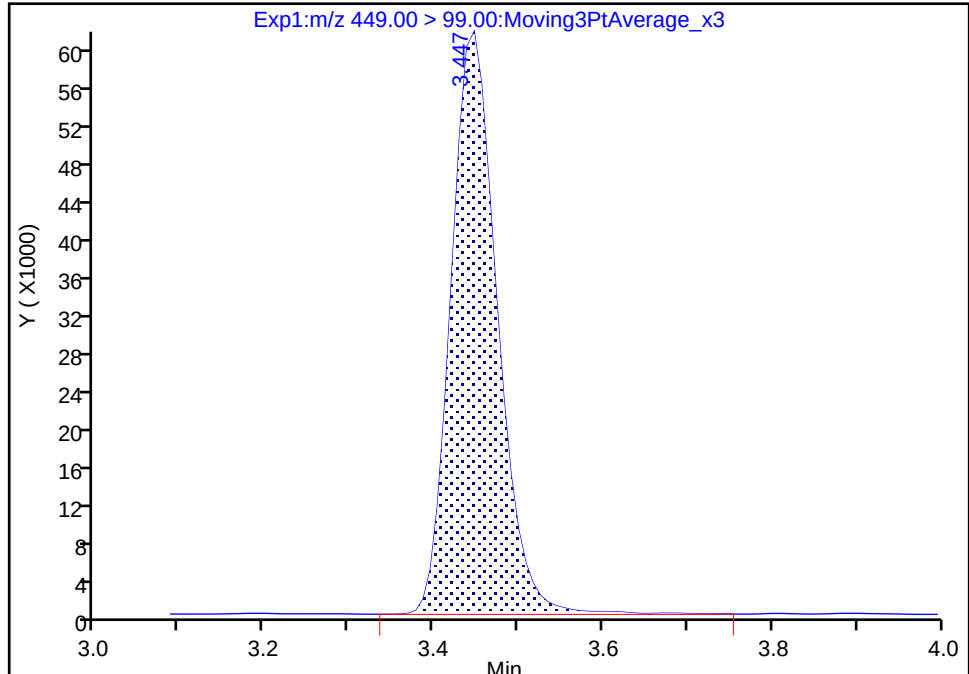
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B01.d
Injection Date: 11-Aug-2022 18:31:08 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

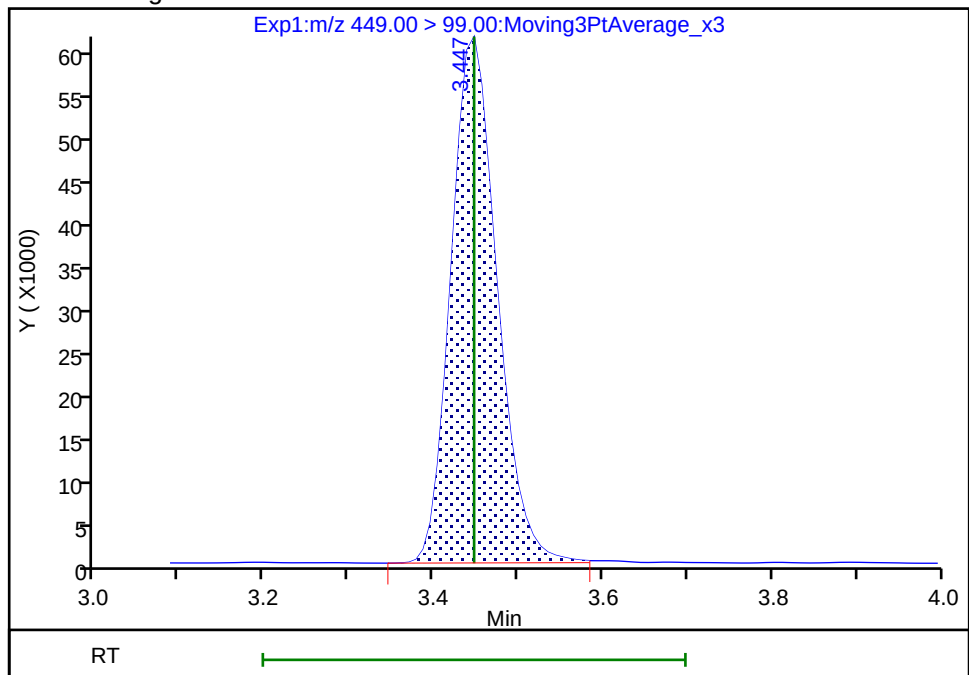
RT: 3.45
Area: 235040
Amount: 0.922359
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 232999
Amount: 0.918953
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 07:57:55
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

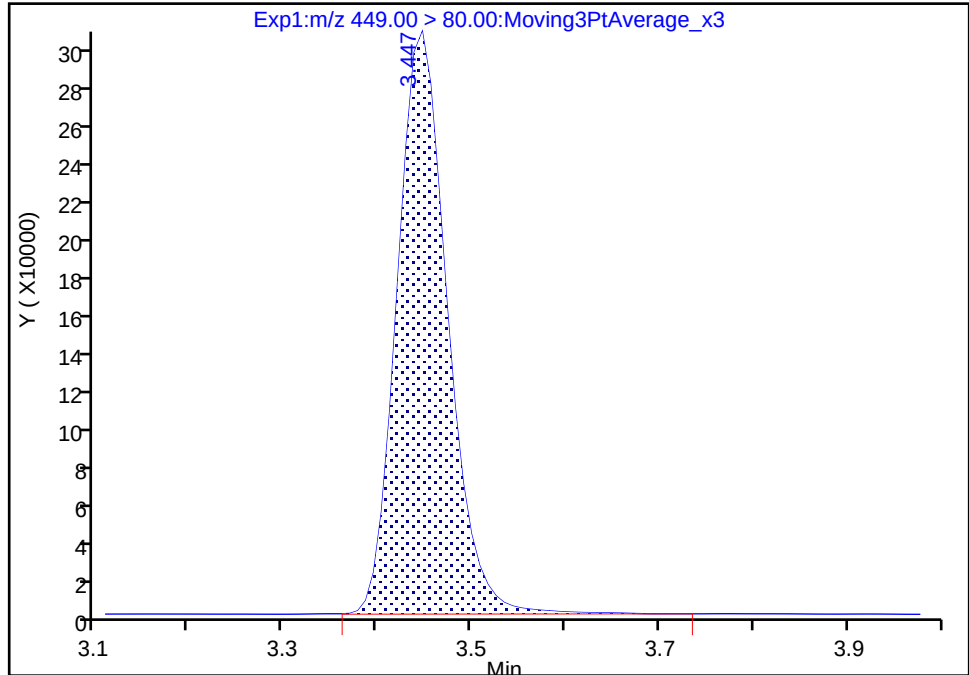
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B01.d
Injection Date: 11-Aug-2022 18:31:08 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

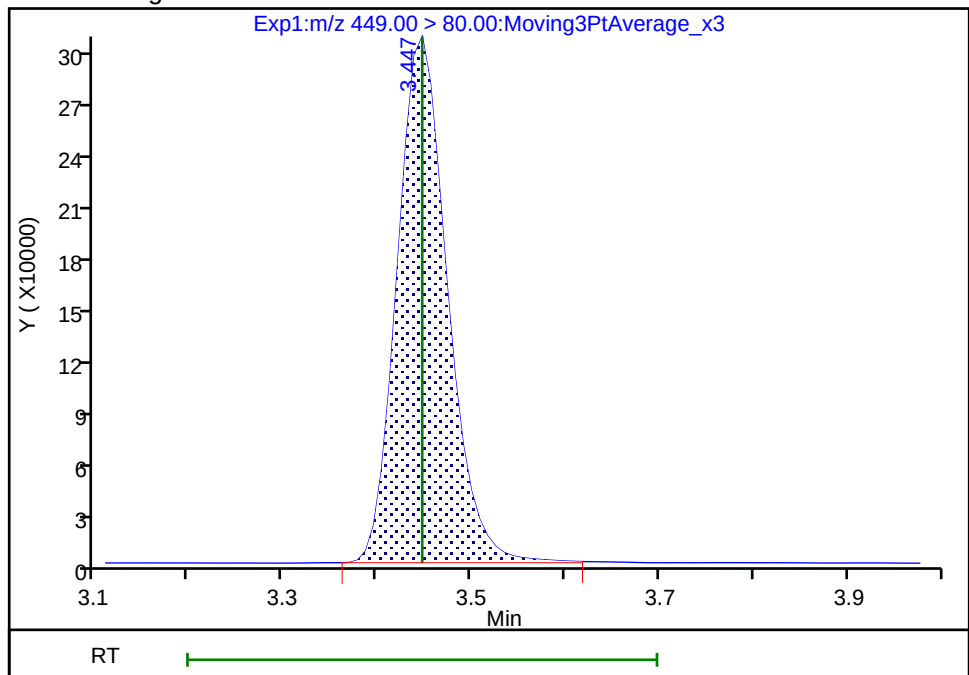
RT: 3.45
Area: 1130521
Amount: 0.922359
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 1126346
Amount: 0.918953
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 07:58:04

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

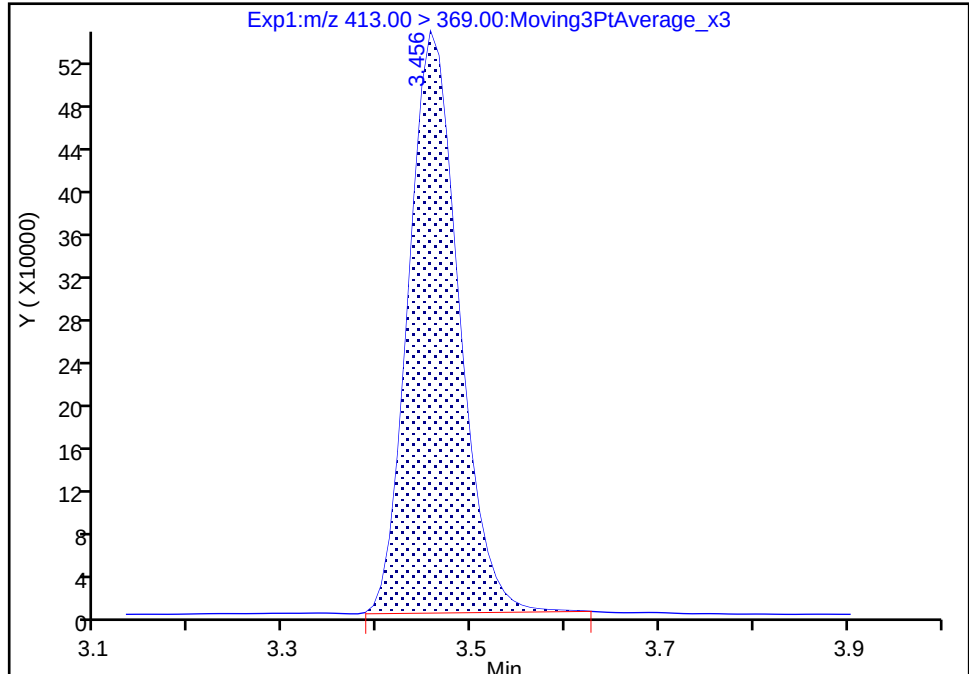
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B01.d
Injection Date: 11-Aug-2022 18:31:08 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

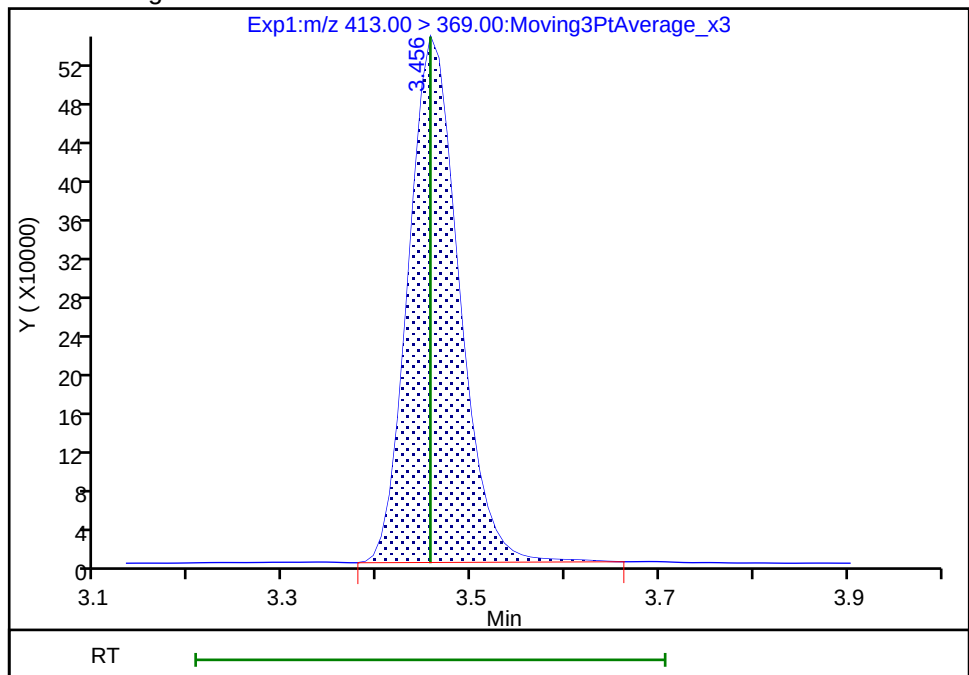
RT: 3.46
Area: 2002081
Amount: 0.957029
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 2013331
Amount: 0.962406
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 07:58:11
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1023 of 1695

08/18/2022

Eurofins Burlington

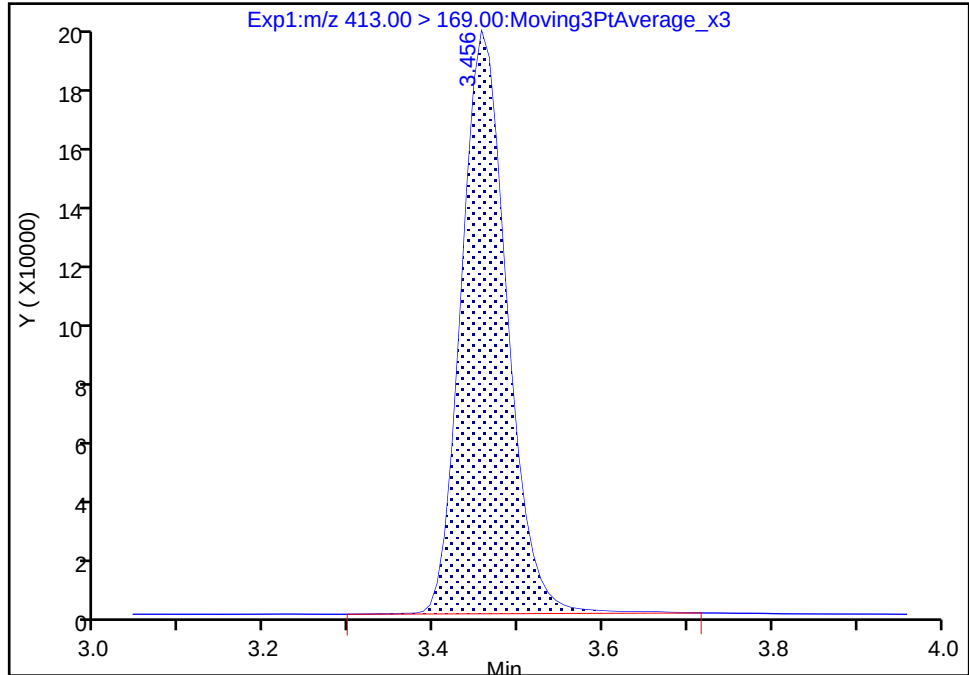
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B01.d
Injection Date: 11-Aug-2022 18:31:08 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

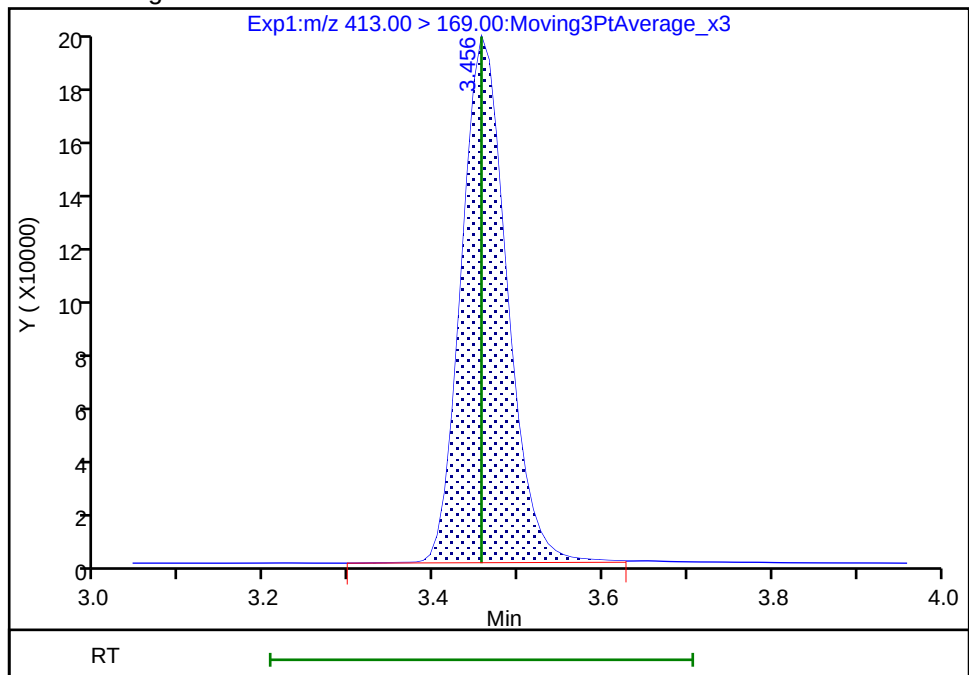
RT: 3.46
Area: 737380
Amount: 0.957029
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 735876
Amount: 0.962406
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 07:58:17

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

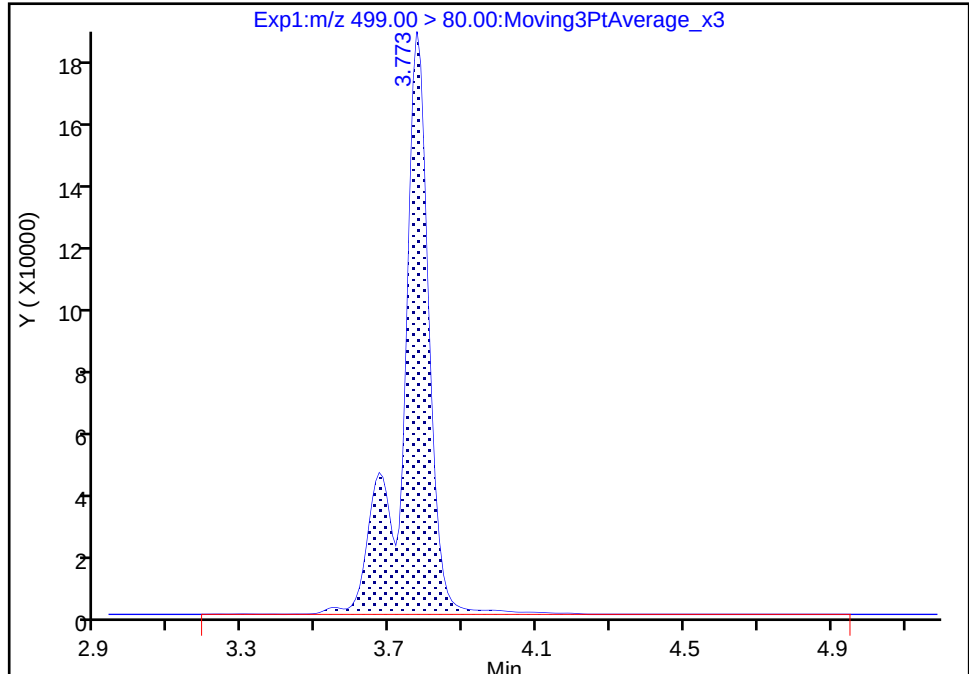
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B01.d
Injection Date: 11-Aug-2022 18:31:08 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

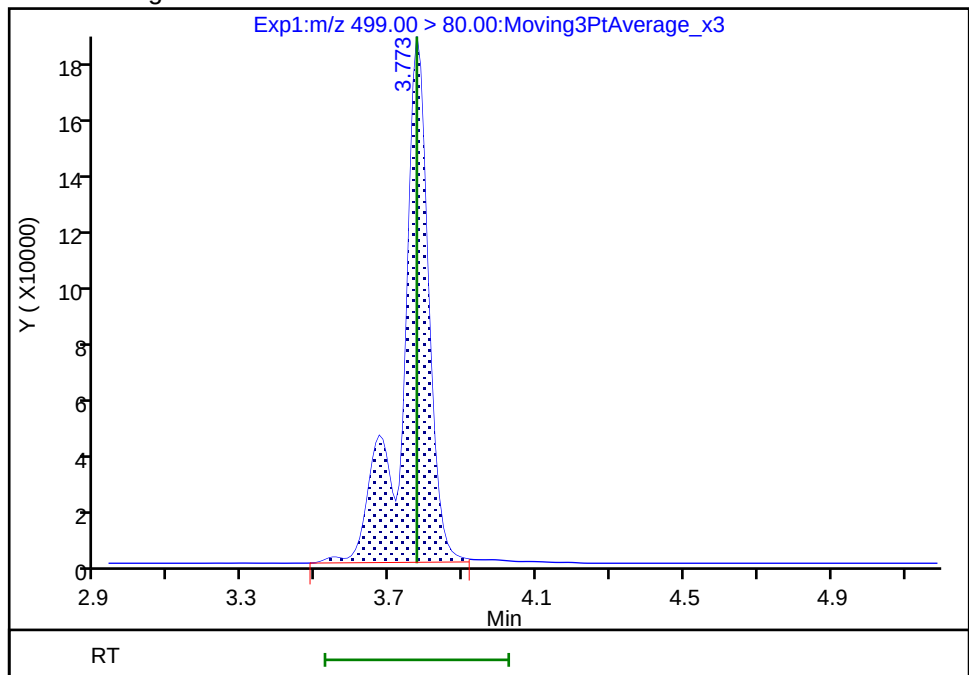
RT: 3.77
Area: 942941
Amount: 0.937244
Amount Units: ng/ml

Processing Integration Results



RT: 3.77
Area: 922639
Amount: 0.916667
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 07:58:47
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

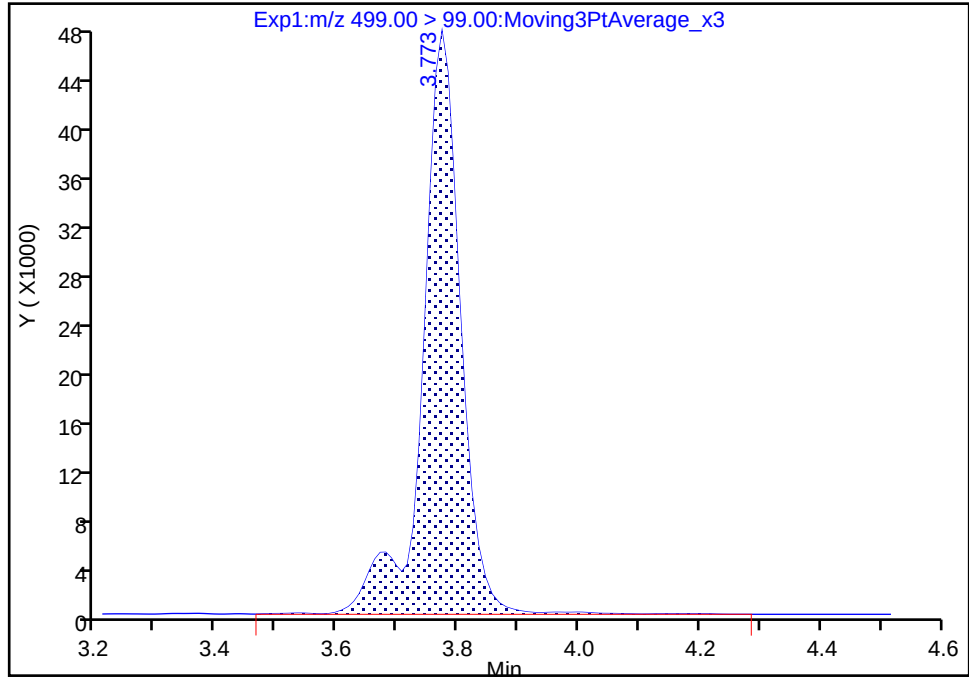
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B01.d
Injection Date: 11-Aug-2022 18:31:08 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

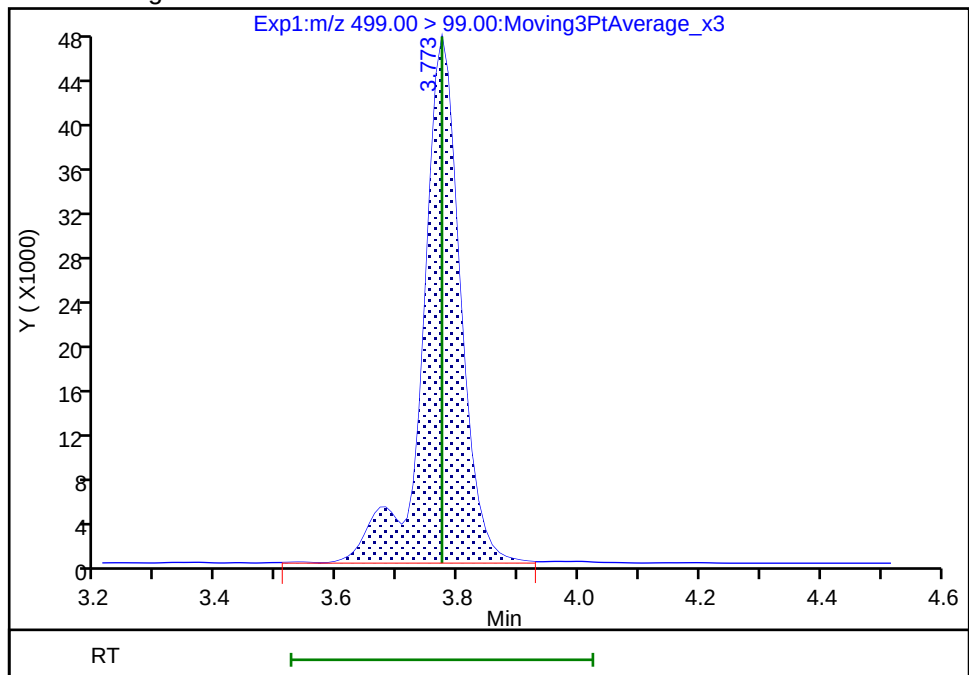
RT: 3.77
Area: 208890
Amount: 0.937244
Amount Units: ng/ml

Processing Integration Results



RT: 3.77
Area: 207263
Amount: 0.916667
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 07:59:11

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

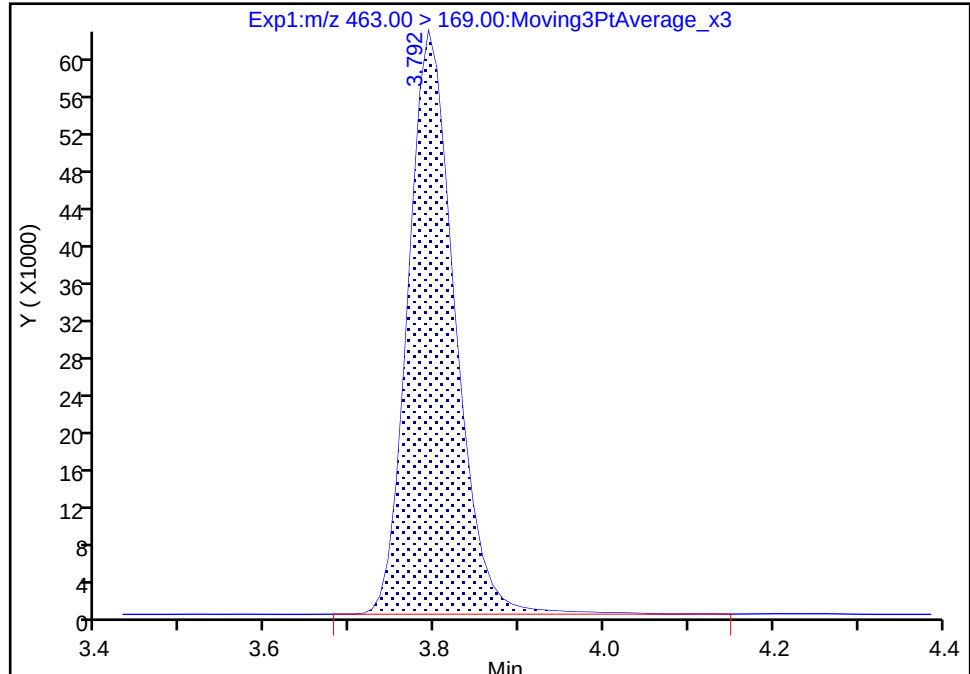
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B01.d
Injection Date: 11-Aug-2022 18:31:08 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

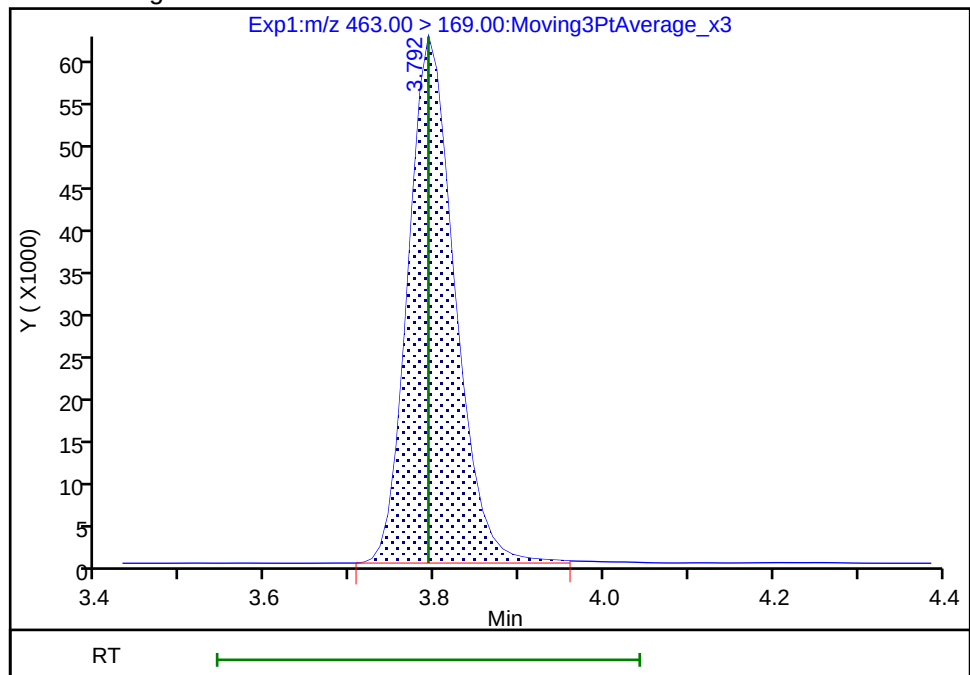
RT: 3.79
Area: 237914
Amount: 0.953606
Amount Units: ng/ml

Processing Integration Results



RT: 3.79
Area: 237017
Amount: 0.953606
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 07:59:21
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

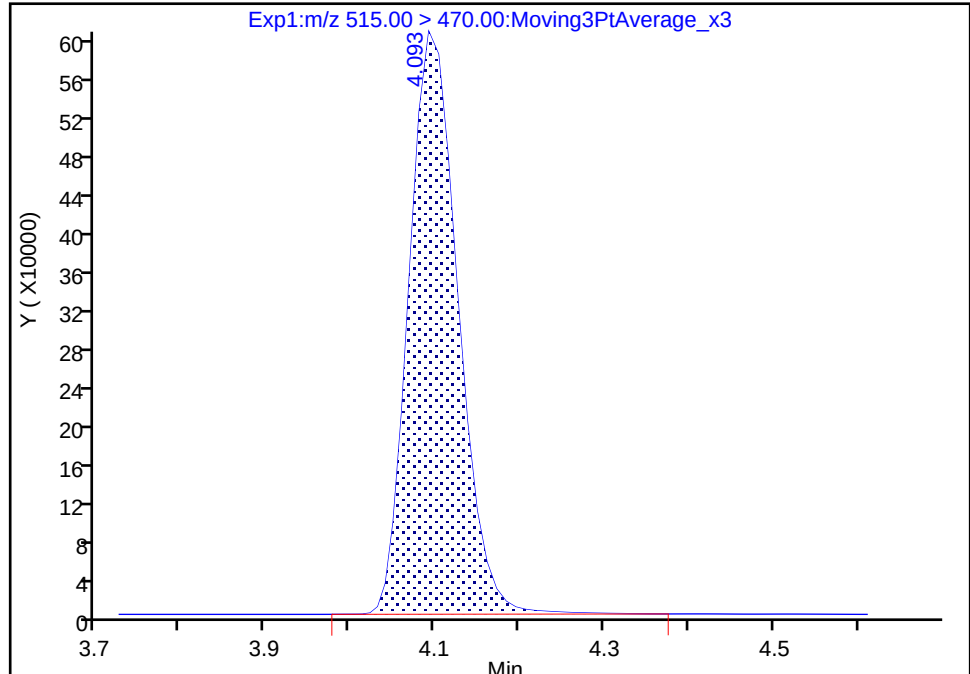
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B01.d
Injection Date: 11-Aug-2022 18:31:08 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 23 13C2 PFDA, CAS: STL00996

Signal: 1

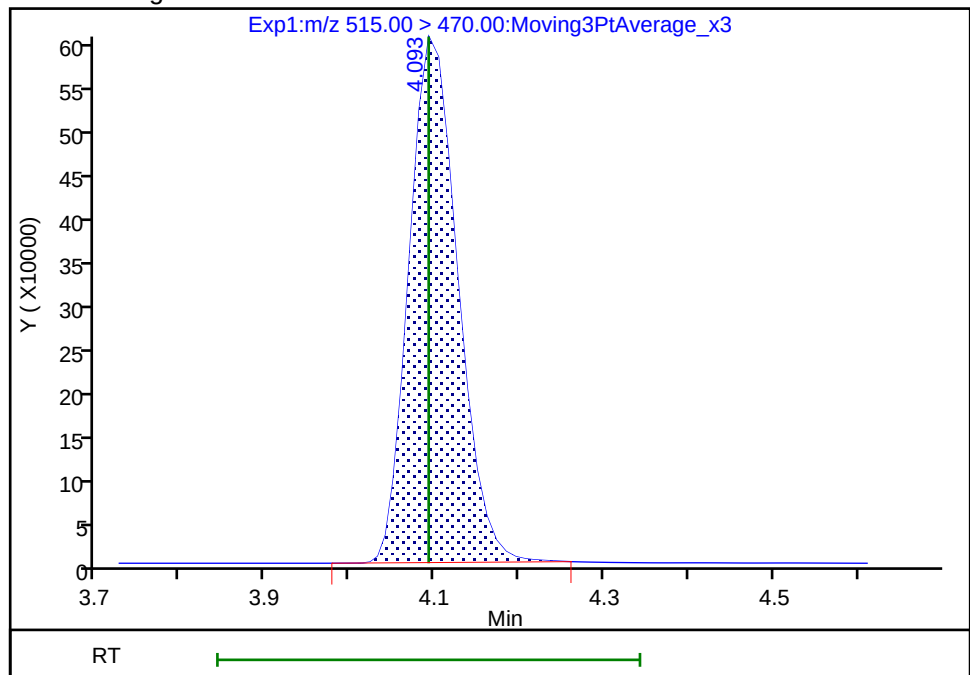
RT: 4.09
Area: 2428380
Amount: 1.306275
Amount Units: ng/ml

Processing Integration Results



RT: 4.09
Area: 2411990
Amount: 1.297458
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 08:06:35
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1028 of 1695

08/18/2022

Eurofins Burlington

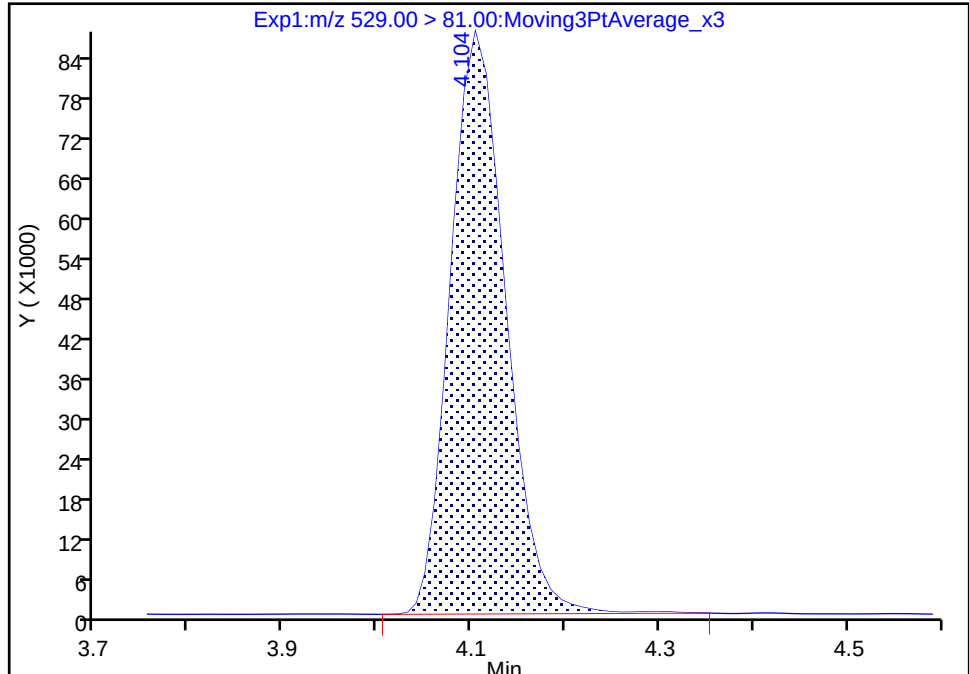
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B01.d
Injection Date: 11-Aug-2022 18:31:08 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

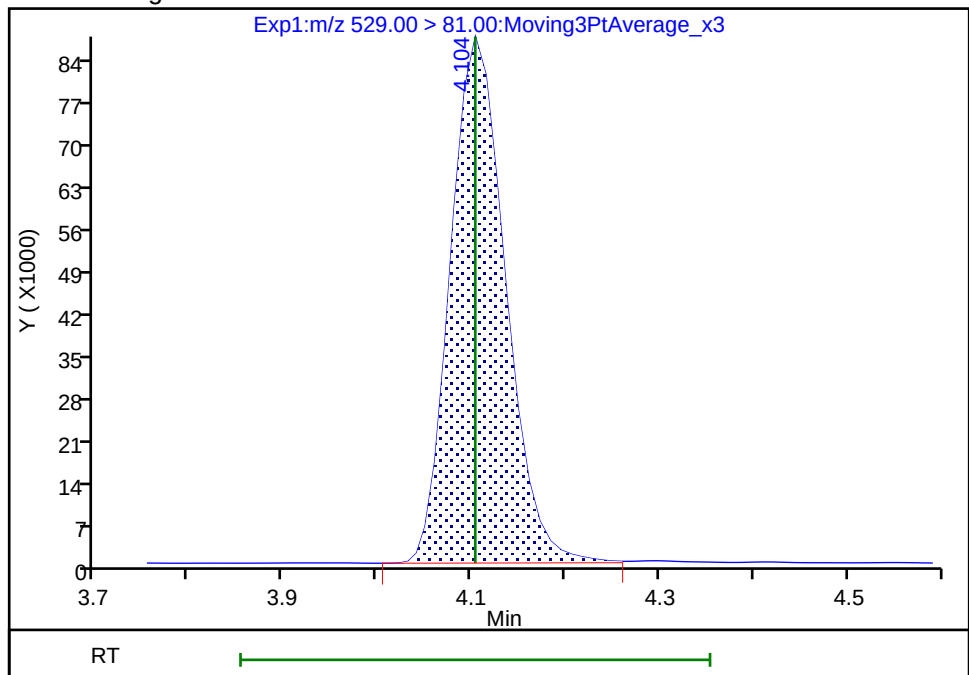
RT: 4.10
Area: 356634
Amount: 1.255052
Amount Units: ng/ml

Processing Integration Results



RT: 4.10
Area: 356214
Amount: 1.253574
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 07:22:55

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

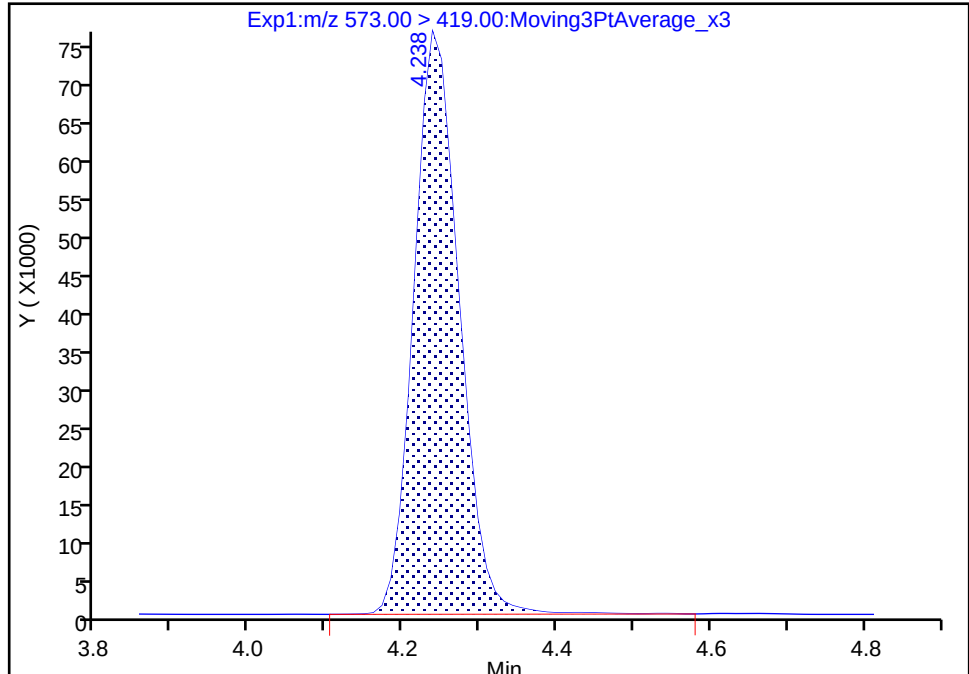
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B01.d
Injection Date: 11-Aug-2022 18:31:08 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

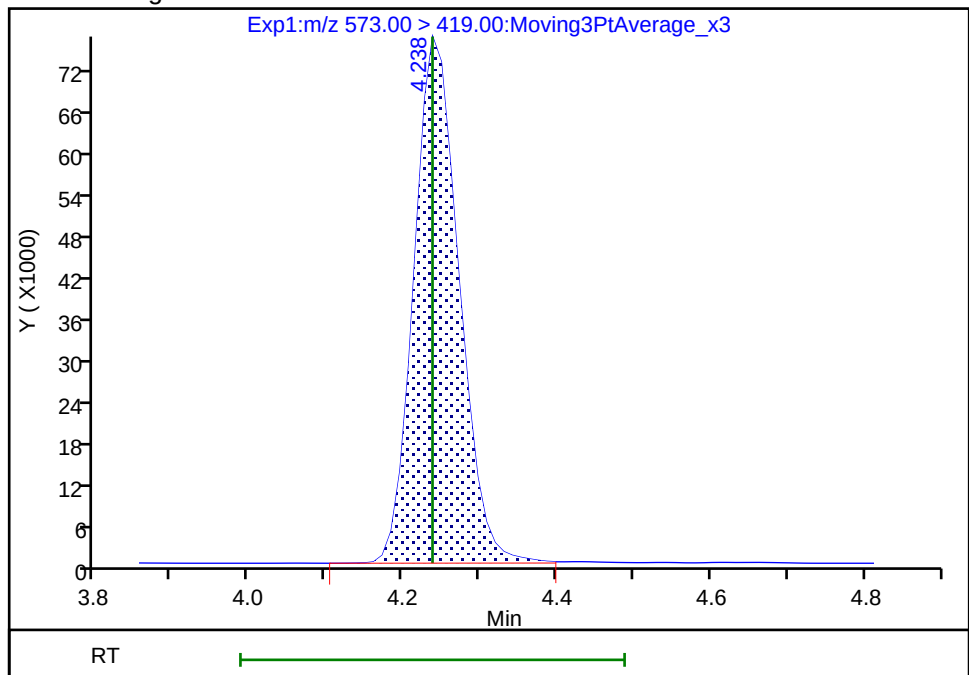
RT: 4.24
Area: 310342
Amount: 1.245522
Amount Units: ng/ml

Processing Integration Results



RT: 4.24
Area: 309346
Amount: 1.241524
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 07:52:56
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

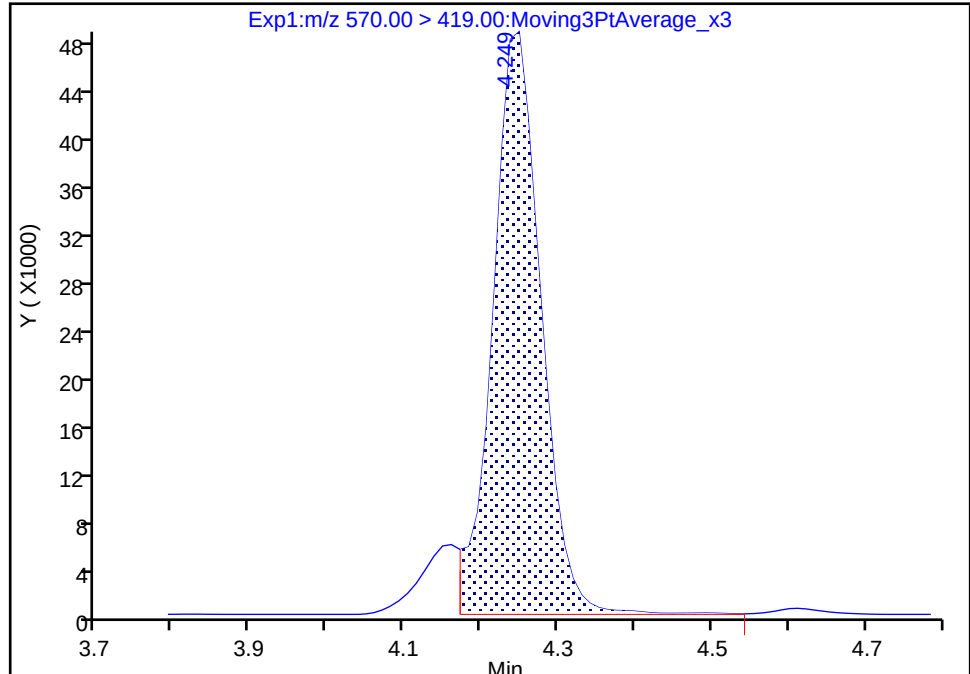
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B01.d
Injection Date: 11-Aug-2022 18:31:08 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

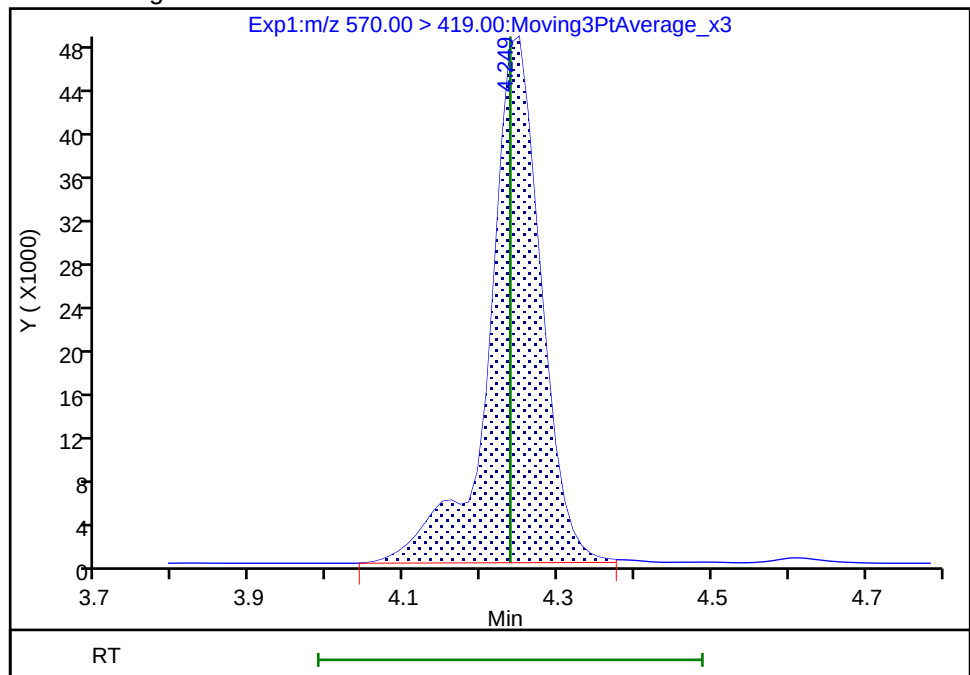
RT: 4.25
Area: 209258
Amount: 0.952095
Amount Units: ng/ml

Processing Integration Results



RT: 4.25
Area: 227090
Amount: 1.033228
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 07:59:39
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

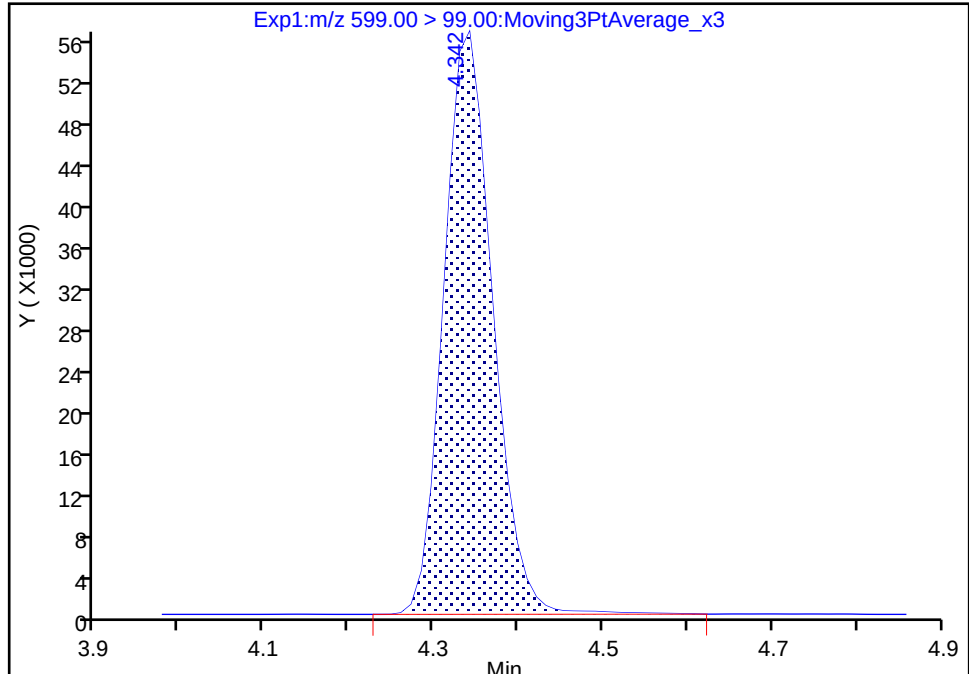
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B01.d
Injection Date: 11-Aug-2022 18:31:08 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

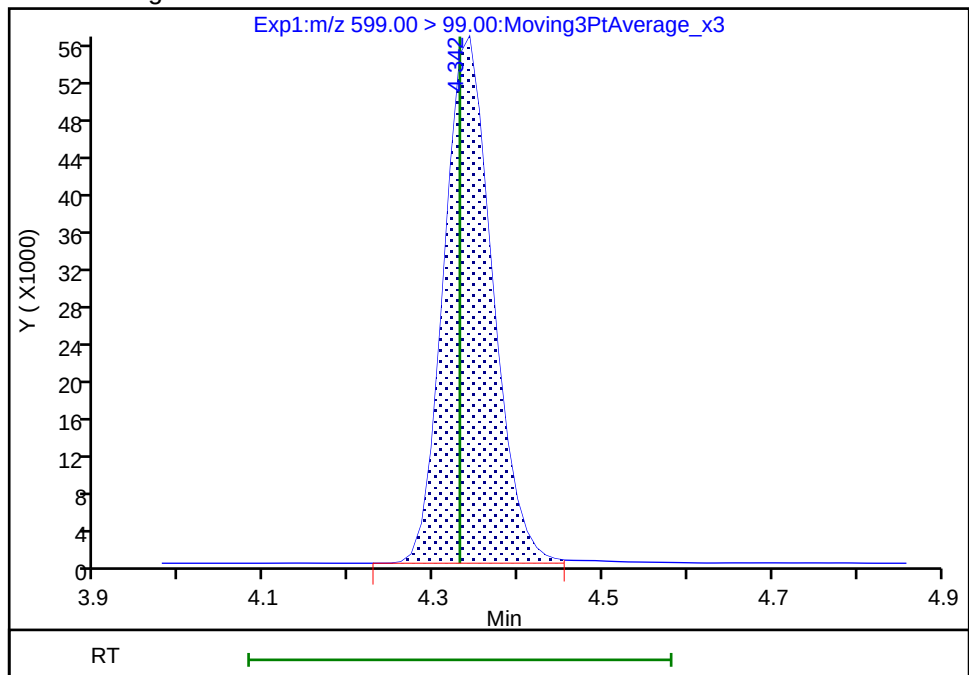
RT: 4.34
Area: 226986
Amount: 1.021440
Amount Units: ng/ml

Processing Integration Results



RT: 4.34
Area: 225544
Amount: 1.021440
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:00:17

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

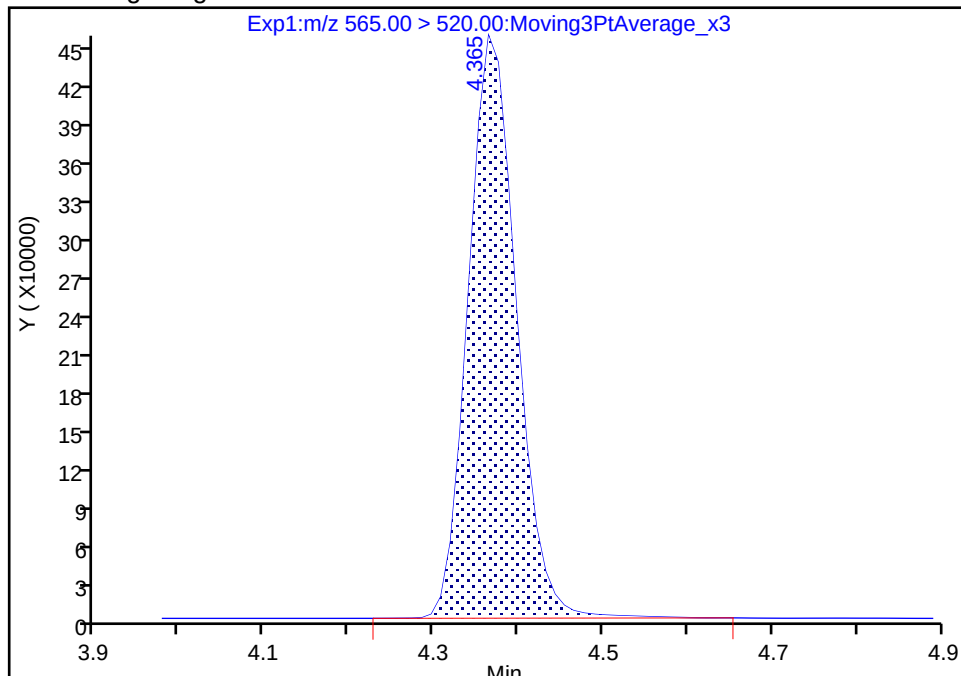
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B01.d
Injection Date: 11-Aug-2022 18:31:08 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

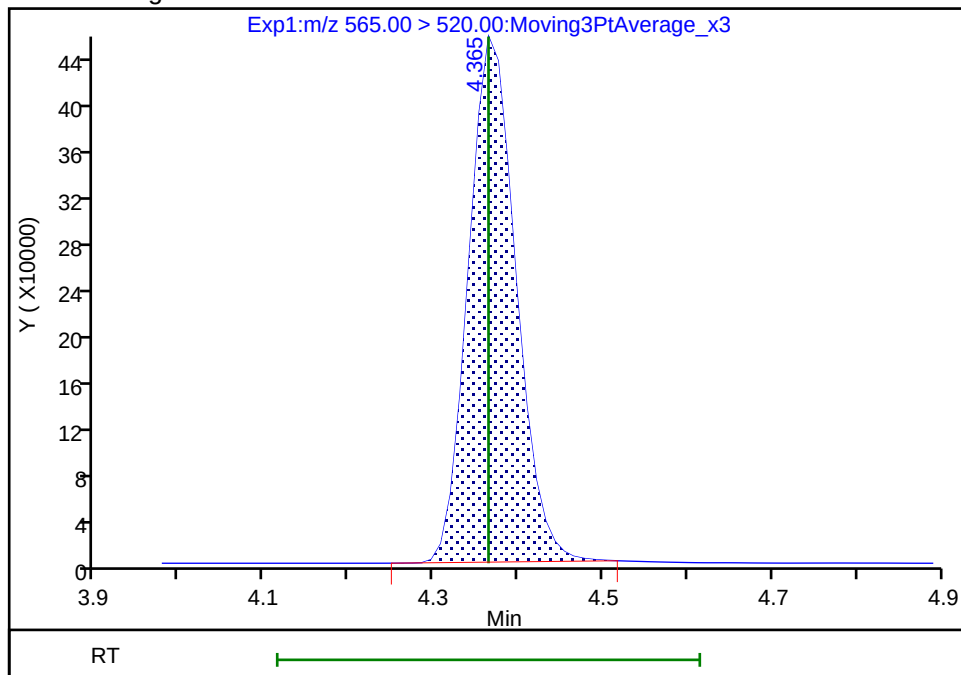
RT: 4.36
Area: 1806291
Amount: 1.282394
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 1785824
Amount: 1.267863
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 08:08:47

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

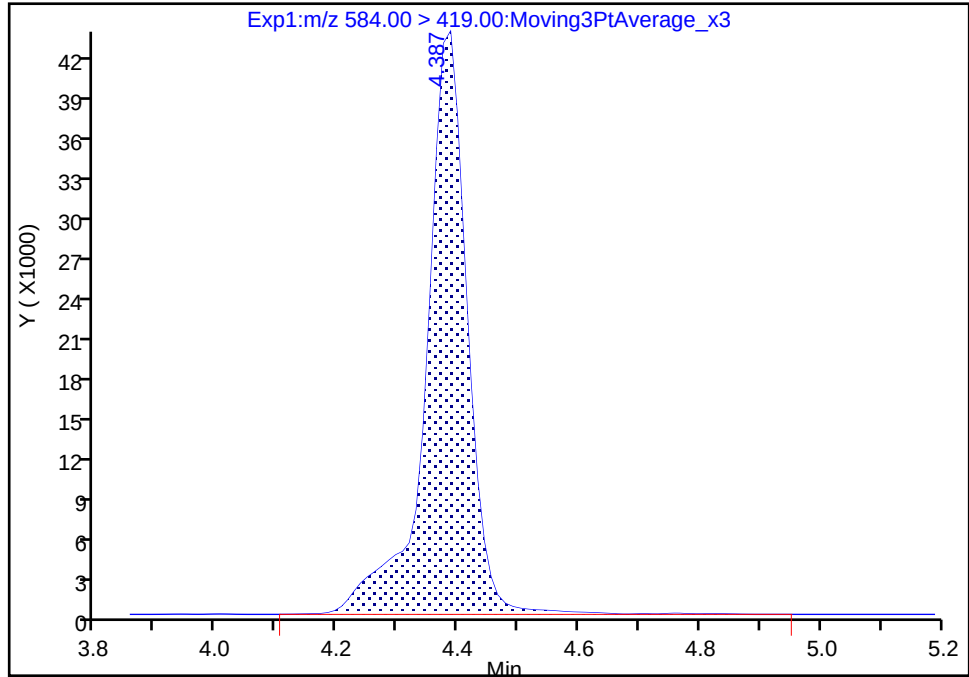
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B01.d
Injection Date: 11-Aug-2022 18:31:08 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

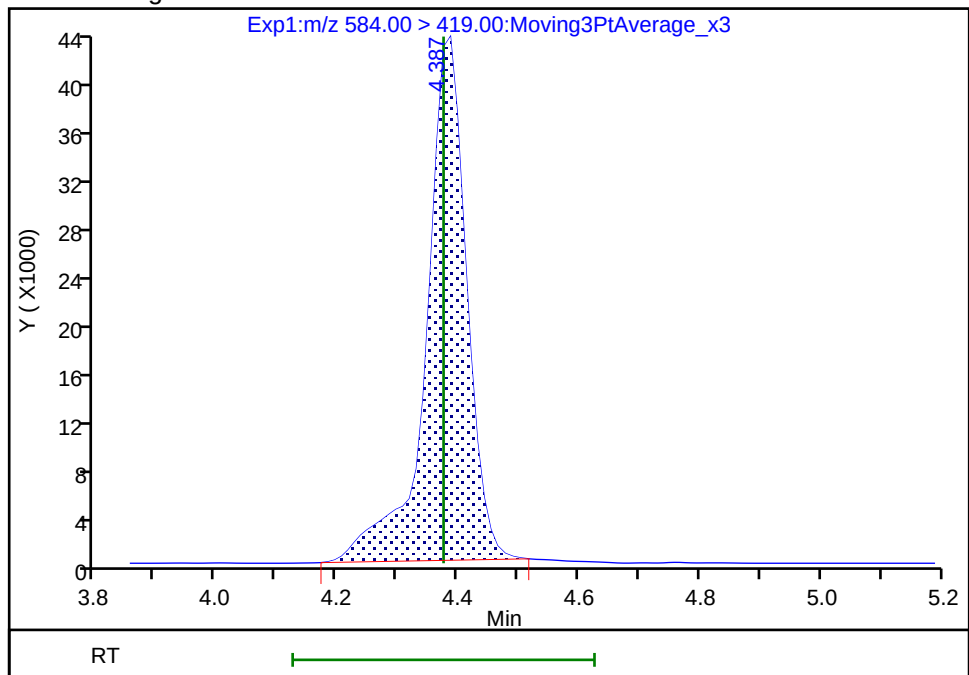
RT: 4.39
Area: 209210
Amount: 0.984375
Amount Units: ng/ml

Processing Integration Results



RT: 4.39
Area: 202757
Amount: 0.954012
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 08:08:54
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

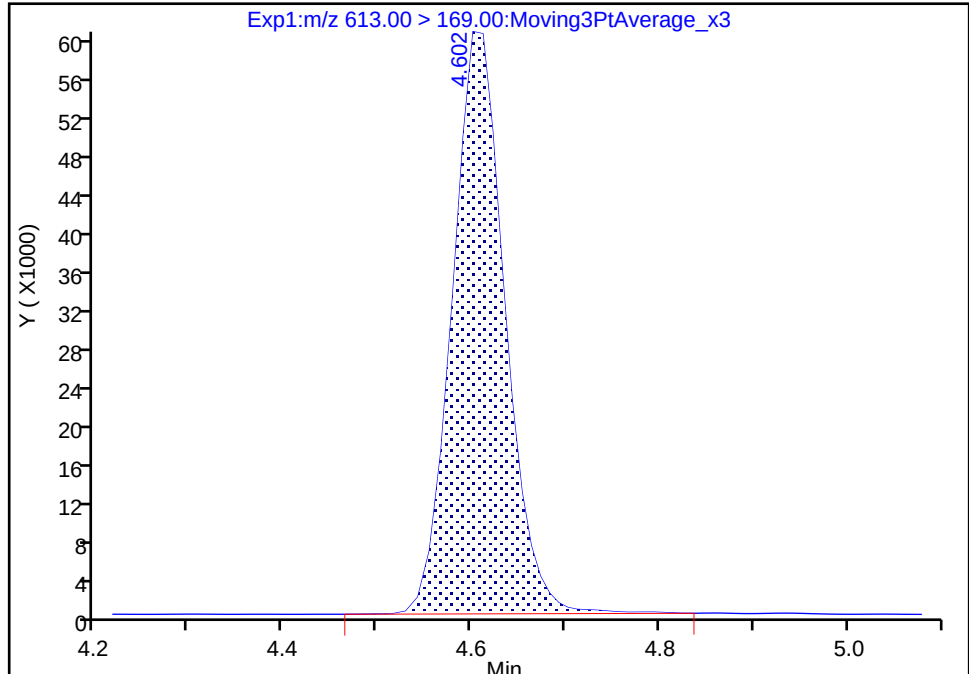
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B01.d
Injection Date: 11-Aug-2022 18:31:08 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

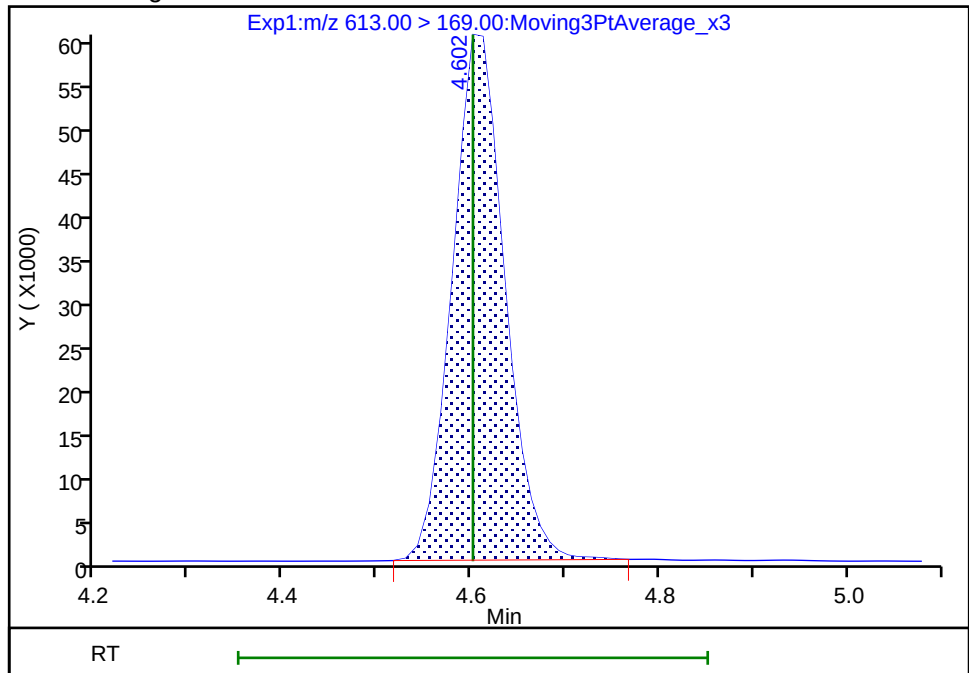
RT: 4.60
Area: 236747
Amount: 0.962432
Amount Units: ng/ml

Processing Integration Results



RT: 4.60
Area: 235089
Amount: 0.960187
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:00:41
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

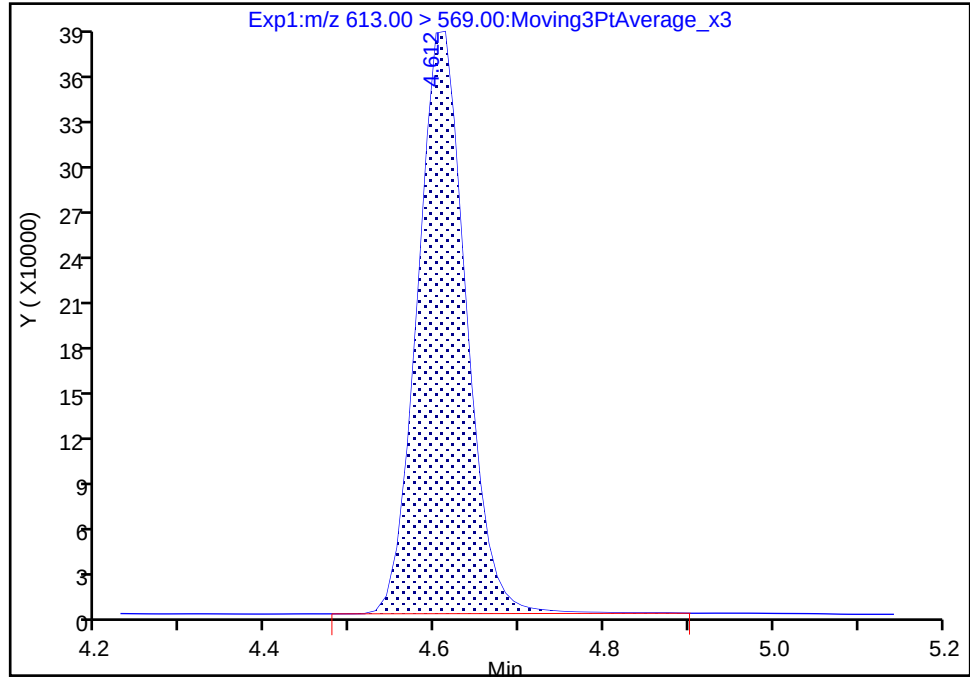
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B01.d
Injection Date: 11-Aug-2022 18:31:08 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

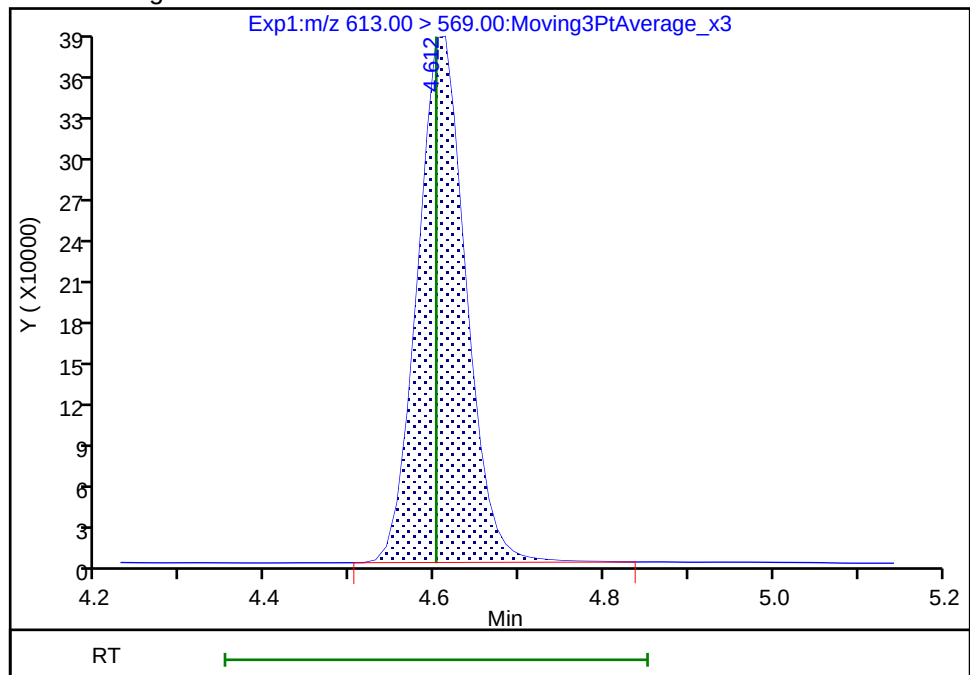
RT: 4.61
Area: 1515510
Amount: 0.962432
Amount Units: ng/ml

Processing Integration Results



RT: 4.61
Area: 1511974
Amount: 0.960187
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:00:45

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

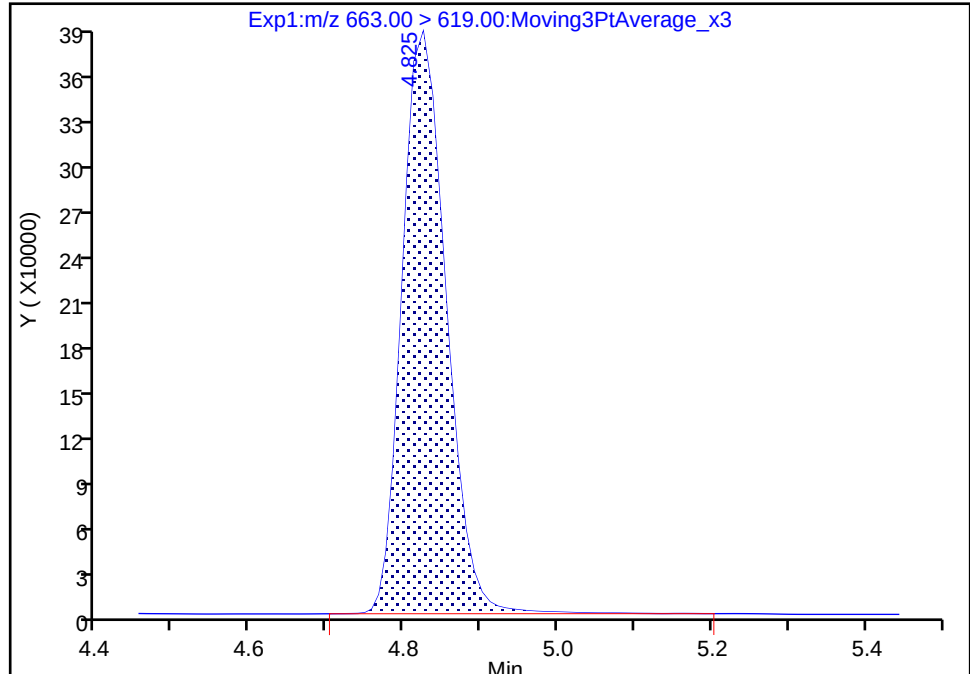
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B01.d
Injection Date: 11-Aug-2022 18:31:08 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

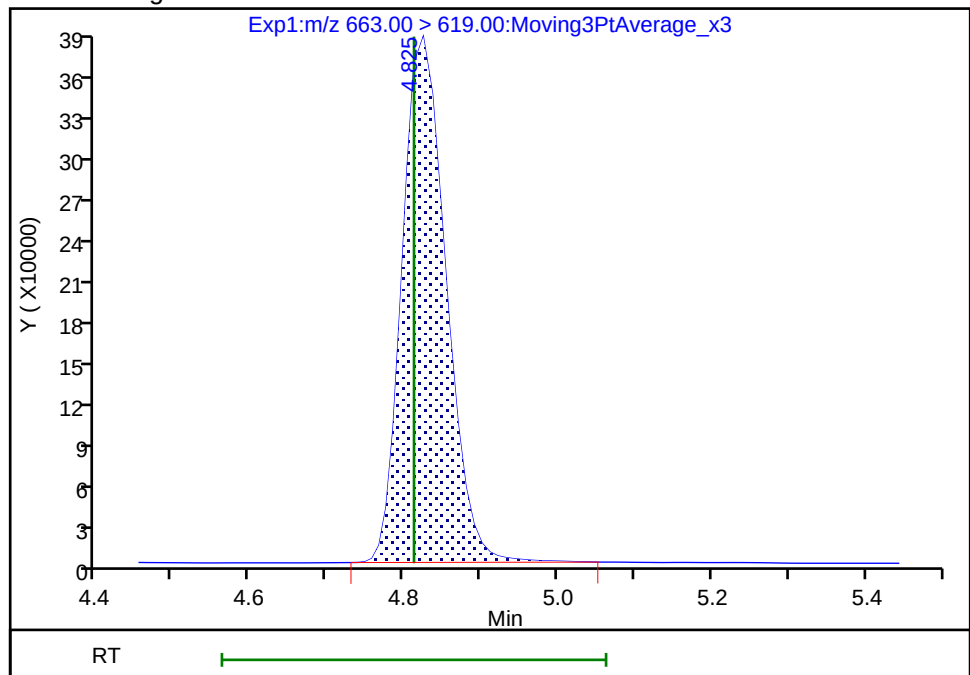
RT: 4.82
Area: 1546248
Amount: 1.132762
Amount Units: ng/ml

Processing Integration Results



RT: 4.82
Area: 1539890
Amount: 1.128104
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:00:53
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

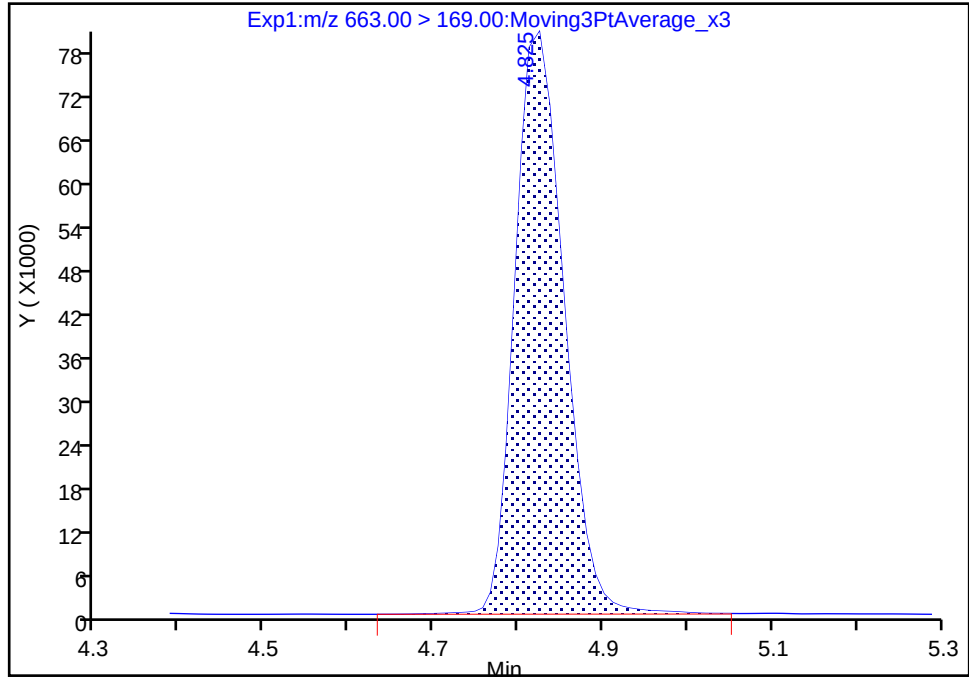
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B01.d
Injection Date: 11-Aug-2022 18:31:08 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

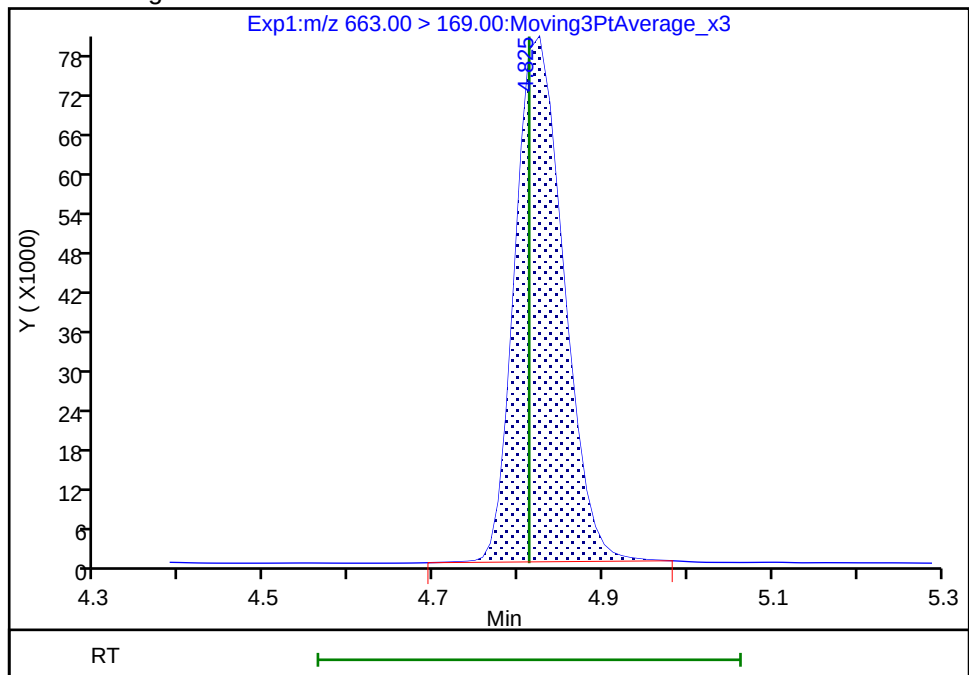
RT: 4.82
Area: 324422
Amount: 1.132762
Amount Units: ng/ml

Processing Integration Results



RT: 4.82
Area: 320259
Amount: 1.128104
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 08:09:16

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

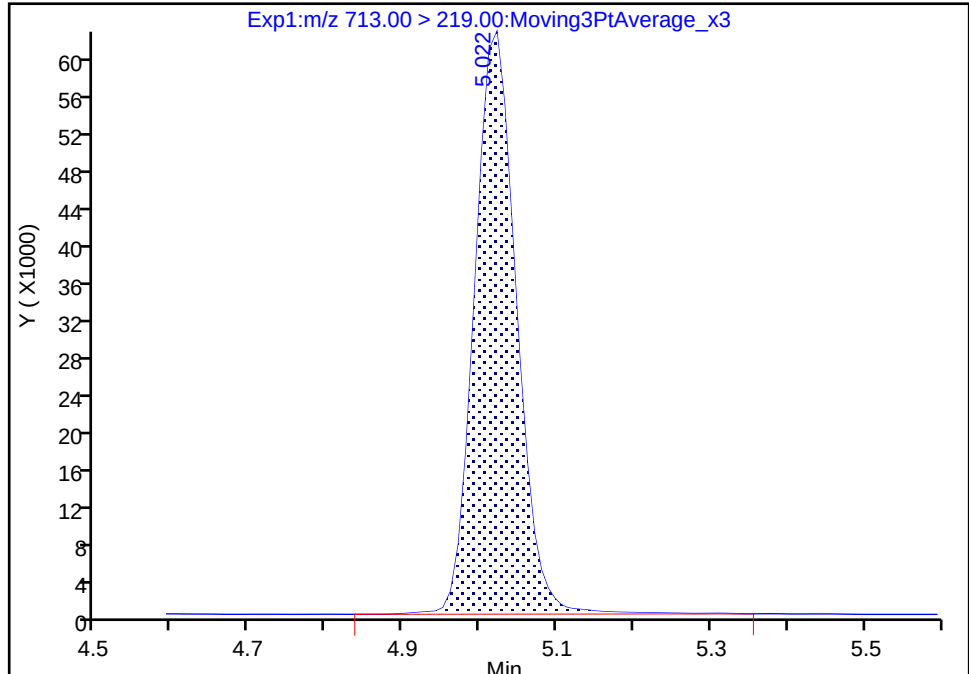
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B01.d
Injection Date: 11-Aug-2022 18:31:08 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

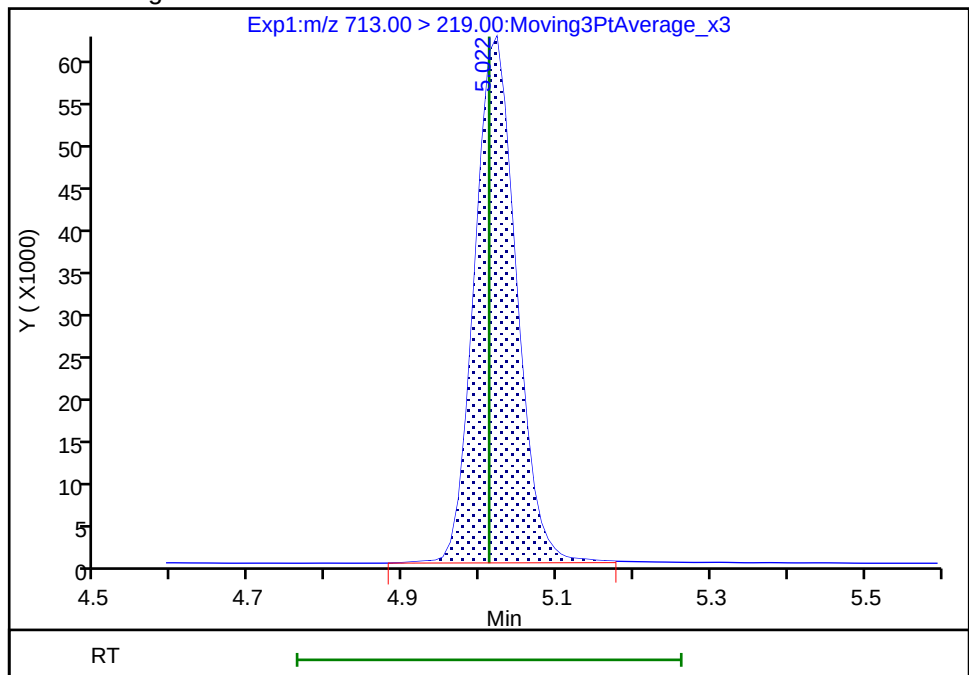
RT: 5.02
Area: 235950
Amount: 0.961130
Amount Units: ng/ml

Processing Integration Results



RT: 5.02
Area: 234737
Amount: 0.961130
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:01:06
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

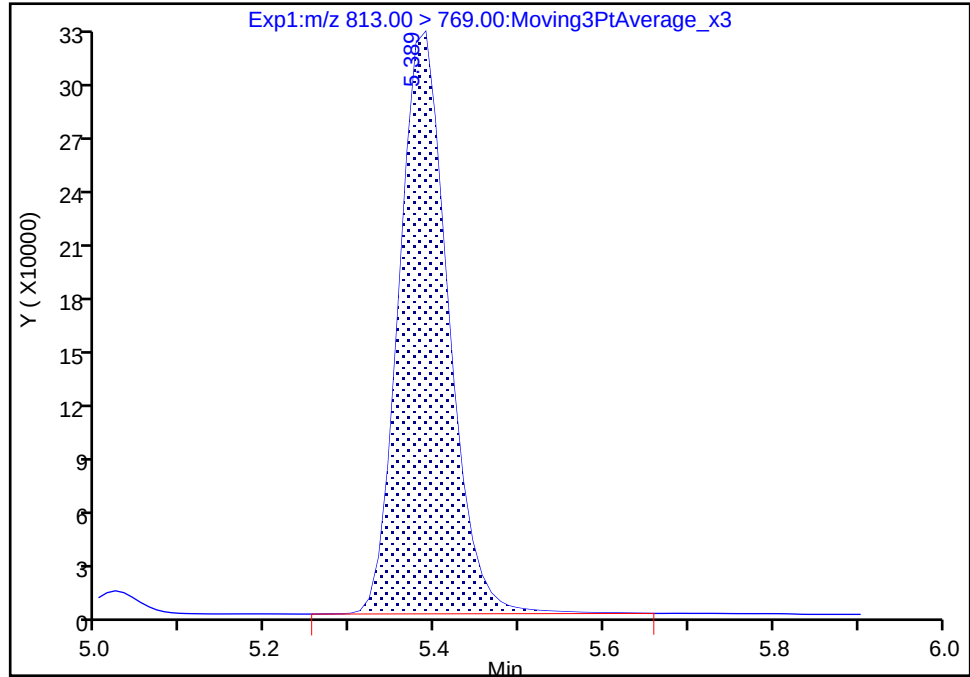
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B01.d
Injection Date: 11-Aug-2022 18:31:08 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 1

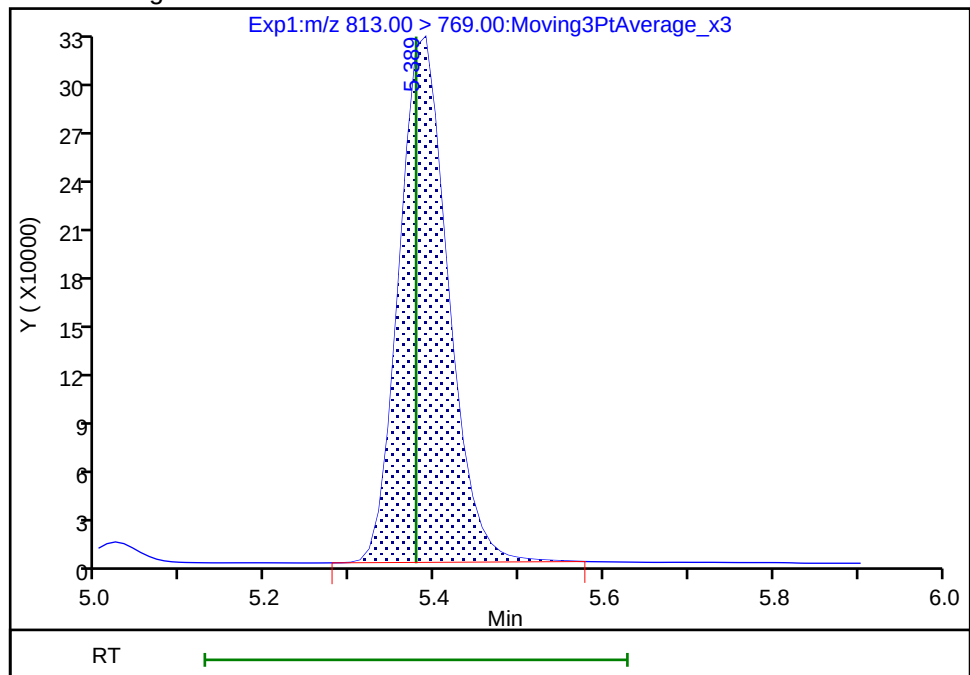
RT: 5.39
Area: 1309296
Amount: 1.028644
Amount Units: ng/ml

Processing Integration Results



RT: 5.39
Area: 1302052
Amount: 1.022837
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 08:09:26
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1040 of 1695

08/18/2022

Eurofins Burlington

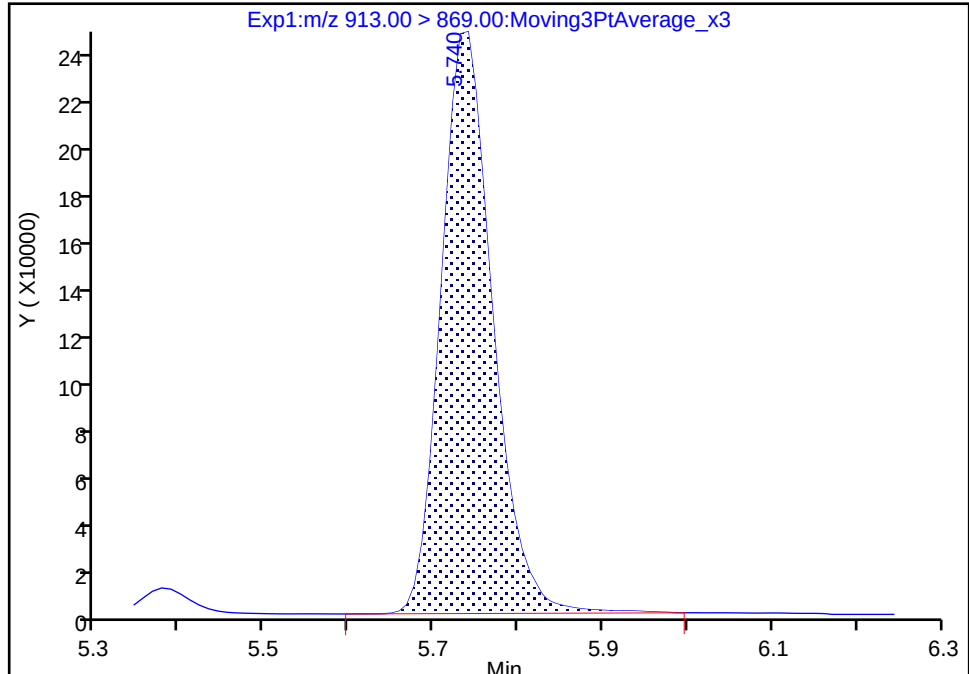
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B01.d
Injection Date: 11-Aug-2022 18:31:08 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

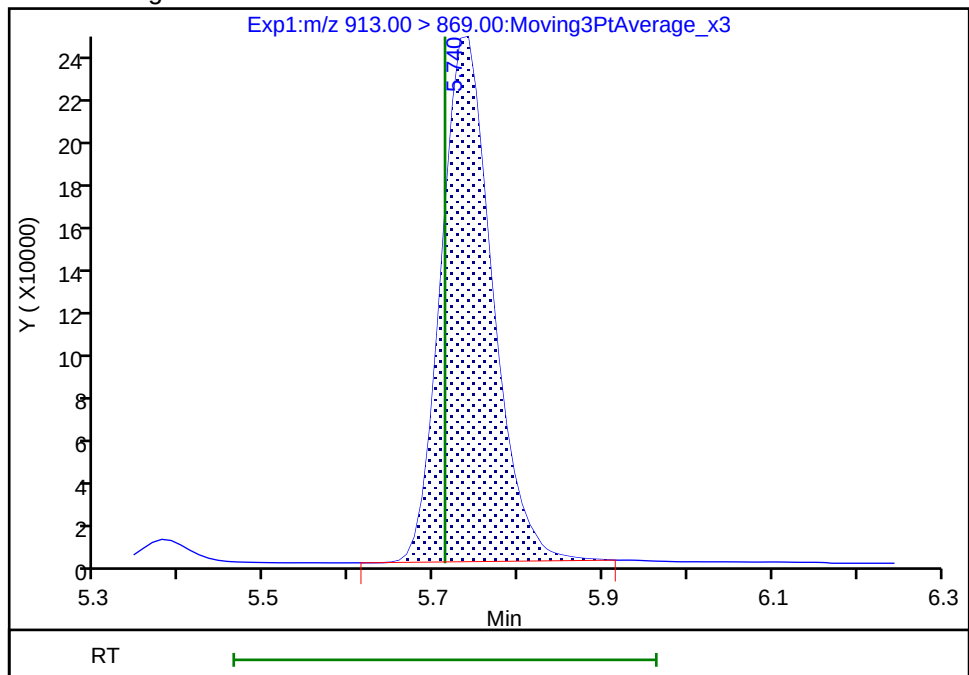
RT: 5.74
Area: 1056929
Amount: 1.139014
Amount Units: ng/ml

Processing Integration Results



RT: 5.74
Area: 1046404
Amount: 1.127672
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 08:09:30
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1041 of 1695

08/18/2022

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-263208-1

SDG No.: _____

Lab Sample ID: CCV 200-182595/14 Calibration Date: 08/11/2022 20:17

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: PA220811B14.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	0.8807		2.27	2.50	-9.2	
Perfluoropentanoic acid (PFPeA)	AveID	1.031	0.9206		2.23	2.50	-10.7	
Perfluorobutanesulfonic acid (PFBS)	AveID	1.104	1.044		2.09	2.21	-5.5	
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	AveID	2.377	2.275		2.24	2.34	-4.3	
Perfluorohexanoic acid (PFHxA)	AveID	1.043	0.995		2.39	2.50	-4.6	
Perfluoropentanesulfonic acid (PFPeS)	AveID	1.297	1.139		2.06	2.35	-12.1	
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	AveID	1.075	0.9718		2.26	2.50	-9.6	
Perfluorohexanesulfonic acid (PFHxS)	AveID	1.103	1.013		2.09	2.28	-8.2	
Perfluoroheptanoic acid (PFHpA)	AveID	1.031	0.9634		2.34	2.50	-6.5	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	4.119	4.176		2.39	2.36	1.4	
6:2 FTS	L1ID		1.516		2.45	2.37	3.3	30.0
Perfluoroheptanesulfonic acid (PFHpS)	AveID	1.236	1.151		2.22	2.38	-6.8	
Perfluorooctanoic acid (PFOA)	AveID	1.121	1.076		2.40	2.50	-4.0	
Perfluorooctanesulfonic acid (PFOS)	L1ID		0.9426		2.18	2.32	-6.1	30.0
Perfluorononanoic acid (PFNA)	AveID	1.017	0.9550		2.35	2.50	-6.1	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O)	AveID	1.766	1.759		2.32	2.33	-0.4	
Perfluorononanesulfonic acid (PFNS)	AveID	0.7830	0.7506		2.30	2.40	-4.1	
Perfluorodecanoic acid (PFDA)	AveID	1.052	0.9829		2.34	2.50	-6.5	
8:2 FTS	AveID	0.9657	0.9371		2.32	2.40	-3.0	
Perfluorooctanesulfonamide (FOSA)	AveID	1.019	0.9883		2.43	2.50	-3.0	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	AveID	0.8881	0.8311		2.34	2.50	-6.4	
Perfluorodecanesulfonic acid (PFDS)	AveID	0.5827	0.5606		2.32	2.41	-3.8	
Perfluoroundecanoic acid (PFUnA)	AveID	1.059	0.9907		2.34	2.50	-6.5	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.9079	0.8184		2.25	2.50	-9.9	
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF)	AveID	2.299	2.253		2.31	2.36	-2.0	
Perfluorododecanoic acid (PFDoA)	AveID	1.014	0.9807		2.42	2.50	-3.3	
1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS)	AveID	0.4511	0.4878		2.61	2.41	8.1	
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.2587	0.2561		2.40	2.42	-1.0	

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-263208-1
 SDG No.: _____
 Lab Sample ID: CCV 200-182595/14 Calibration Date: 08/11/2022 20:17
 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: PA220811B14.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	0.9202		2.62	2.50	4.7	
Perfluorotetradecanoic acid (PFTeA)	AveID	0.1602	0.1438		2.24	2.50	-10.3	
Perfluoro-n-hexadecanoic acid (PFHxDA)	L1ID		0.8462		2.35	2.50	-6.2	30.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	0.6649	0.6265		2.36	2.50	-5.8	
13C4 PFBA	Ave	1.167	1.055		1.13	1.25	-9.6	
13C5 PFPeA	Ave	0.8976	0.8714		1.21	1.25	-2.9	
13C3 PFBS	Ave	1.039	0.9488		1.06	1.16	-8.7	
M2-4:2 FTS	Ave	0.0894	0.0836		1.09	1.17	-6.5	
13C2 PFHxA	Ave	0.8962	0.8208		1.15	1.25	-8.4	
13C3 HFPO-DA	Ave	0.1687	0.1548		1.15	1.25	-8.2	
18O2 PFHxS	Ave	0.7305	0.6890		1.12	1.18	-5.7	50.0
13C4 PFHpA	Ave	0.9296	0.9049		1.22	1.25	-2.7	50.0
M2-6:2 FTS	Ave	0.1223	0.1179		1.15	1.19	-3.6	
13C4 PFOA	Ave	0.9525	0.9126		1.20	1.25	-4.2	50.0
13C4 PFOS	Ave	0.5455	0.4923		1.08	1.20	-9.7	50.0
13C5 PFNA	Ave	0.9889	0.9939		1.26	1.25	0.5	50.0
13C2 PFDA	Ave	0.9624	1.032		1.34	1.25	7.2	
M2-8:2 FTS	Ave	0.1471	0.1615		1.32	1.20	9.8	
13C8 FOSA	Ave	0.8423	0.7434		1.10	1.25	-11.7	
d3-NMeFOSAA	Ave	0.1290	0.1301		1.26	1.25	0.9	
13C2 PFUnA	Ave	0.7292	0.7389		1.27	1.25	1.3	
d5-NEtFOSAA	Ave	0.1221	0.1178		1.21	1.25	-3.5	
13C2 PFDoA	Ave	0.7556	0.7966		1.32	1.25	5.4	
13C2 PFTeDA	Ave	0.6177	0.7608		1.54	1.25	23.2	
13C2 PFHxDA	Ave	0.7037	0.7799		1.39	1.25	10.8	

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B14.d
 Lims ID: CCV L5
 Client ID:
 Sample Type: CCV
 Inject. Date: 11-Aug-2022 20:17:36 ALS Bottle#: 14 Worklist Smp#: 14
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: CCV L5
 Misc. Info.: 200-0052043-014 Plate: 1 Rack: 2
 Operator ID: lc812tech Instrument ID: LC812
 Sublist: chrom-PFC_LC812*sub3
 Method: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 12-Aug-2022 12:20:35 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: CTX1609

First Level Reviewer: nampitakw

Date: 12-Aug-2022 09:38:18

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	2498962	1.13		90.4	9939	M
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.085	2.076	0.009	1.004	4401738	2.27		90.8	544	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.387	2.386	0.001	0.689	2064933	1.21		97.1	3955	
4 Perfluoropentanoic acid										
262.90 > 219.00	2.387	2.386	0.001	1.000	3801851	2.23		89.3	140	
D 47 13C3 PFBS										M
301.90 > 80.00	2.400	2.400	0.0	0.693	2090961	1.06		91.3	325523	M
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.413	2.413	0.0	1.006	4148051	2.09	Target=2.23	94.5	4235	
298.90 > 99.00	2.413	2.413	0.0	1.006	1936285		2.14(1.11-3.34)		1505	
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.701	2.701	0.0	0.780	184942	1.09		93.5	200	M
61 1H,1H,2H,2H-perfluorohexanesulfo										M
327.00 > 307.00	2.701	2.701	0.0	1.000	841462	2.23		95.7	2579	M
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.738	2.737	0.001	1.000	3872021	2.38	Target=12.24	95.4	614	M
313.00 > 119.00	2.738	2.737	0.001	1.000	301987		12.82(6.12-18.36)		513	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.738	2.737	0.001	0.790	1944963	1.14		91.6	3798	
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.750	2.737	0.013	0.887	3490095	2.06	Target=2.95	87.9	1778	M
349.00 > 99.00	2.750	2.737	0.013	0.887	1172097		2.98(1.48-4.43)		1292	M
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.847	2.847	0.0	0.822	366889	1.15		91.8	1463	

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	2.847	0.0	1.000	713057	2.26		90.4	1790	
D 11 18O2 PFHxS										
403.00 > 84.00	3.099	3.098	0.001	0.894	1544610	1.12		94.3	2642	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.099	3.098	0.001	1.000	3009239	2.09	Target=3.43	91.8	1833	M
399.00 > 99.00	3.099	3.098	0.001	1.000	859813		3.50(1.72-5.15)		787	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.110	3.098	0.012	0.897	2144421	1.22		97.3	2402	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.110	3.110	0.0	1.000	4131700	2.34	Target=3.73	93.5	1030	
363.00 > 169.00	3.110	3.110	0.0	1.000	1087132		3.80(1.86-5.59)		1510	
77 DONA										M
377.00 > 251.00	3.143	3.143	0.0	0.831	9178203	2.39	Target=2.84	101	4129	M
377.00 > 85.00	3.143	3.143	0.0	0.831	3118824		2.94(1.42-4.26)		1338	M
D 12 M2-6:2 FTS										M
429.00 > 81.00	3.448	3.447	0.001	0.995	265455	1.15		96.4	425	M
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.448	3.447	0.001	1.000	802918	2.45		103	400	M
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.448	3.447	0.001	0.911	2557567	2.22	Target=4.89	93.2	3149	M
449.00 > 99.00	3.448	3.447	0.001	0.911	519161		4.93(2.44-7.33)		2155	
D 14 13C4 PFOA										M
417.00 > 372.00	3.465	3.456	0.009	1.000	2162507	1.20		95.8	1417	M
* 62 13C2 PFOA										
415.00 > 370.00	3.465	3.456	0.009		2369659	1.25			3658	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.465	3.456	0.009	1.000	4654630	2.40	Target=2.67	96.0	403	M
413.00 > 169.00	3.465	3.456	0.009	1.000	1694230		2.75(1.34-4.01)		1441	M
D 18 13C4 PFOS										
503.00 > 80.00	3.783	3.773	0.010	1.092	1115249	1.08		90.3	1544	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.783	3.773	0.010	1.000	2040781	2.18	Target=4.88	93.9	963	M
499.00 > 99.00	3.783	3.773	0.010	1.000	437179		4.67(2.44-7.32)		1177	M
20 Perfluorononanoic acid										M
463.00 > 419.00	3.802	3.792	0.010	1.000	4498421	2.35	Target=8.23	93.9	1208	
463.00 > 169.00	3.802	3.792	0.010	1.000	556174		8.09(4.11-12.34)		1714	M
D 19 13C5 PFNA										
468.00 > 423.00	3.802	3.792	0.010	1.097	2355138	1.26		101	2926	
69 9-Chlorohexadecafluoro-3-oxanona										M
531.00 > 351.00	3.951	3.940	0.011	1.044	3824901	2.32		99.6	2041	M
68 Perfluorononanesulfonic acid										M
549.00 > 80.00	4.071	4.060	0.011	1.076	1681251	2.30	Target=2.53	95.9	2337	M
549.00 > 99.00	4.071	4.060	0.011	1.076	700615		2.40(1.26-3.79)		2418	M
D 23 13C2 PFDA										
515.00 > 470.00	4.104	4.092	0.012	1.184	2445849	1.34		107	3962	

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	4.104	4.092	0.012	1.000	4808110	2.34	Target=9.67	93.5	1966	
513.00 > 169.00	4.104	4.092	0.012	1.000	514340		9.35(4.83-14.50)		1360	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.116	4.092	0.024	1.000	687248	2.32		97.0	1121	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.116	4.104	0.012	1.188	366703	1.31		110	870	M
D 21 13C8 FOSA										
506.00 > 78.00	4.161	4.150	0.011	1.201	1761709	1.10		88.3	3795	
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.161	4.161	0.0	1.000	3482289	2.42		97.0	1428	M
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.250	4.238	0.012	1.226	308312	1.26		101	387	M
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.250	4.238	0.012	1.000	512454	2.34		93.6	696	M
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.342	4.330	0.012	1.148	1260864	2.32	Target=2.80	96.2	1341	M
599.00 > 99.00	4.342	4.330	0.012	1.148	480388		2.62(1.40-4.20)		987	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.376	4.364	0.012	1.263	1750944	1.27		101	1681	M
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.376	4.364	0.012	1.000	3469193	2.34	Target=9.07	93.5	1317	M
563.00 > 169.00	4.376	4.364	0.012	1.000	391710		8.86(4.54-13.61)		1881	
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.387	4.376	0.011	1.266	279243	1.21		96.5	996	M
33 N-ethylperfluorooctanesulfonamid										
584.00 > 419.00	4.387	4.376	0.011	1.000	457059	2.25		90.1	984	M
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.478	4.465	0.013	1.184	4950772	2.31		98.0	2373	M
D 36 13C2 PFDaA										
615.00 > 570.00	4.612	4.601	0.011	1.331	1887661	1.32		105	1709	
37 Perfluorododecanoic acid										
613.00 > 569.00	4.612	4.601	0.011	1.000	3702556	2.42	Target=6.97	96.7	408	M
613.00 > 169.00	4.612	4.601	0.011	1.000	560712		6.60(3.48-10.45)		1892	M
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.633	4.622	0.011	1.126	359993	2.61		108	1503	M
75 Perfluorododecanesulfonic acid (										
699.00 > 80.00	4.794	4.776	0.018	1.267	578462	2.40	Target=0.52	99.0	2689	
699.00 > 99.00	4.794	4.776	0.018	1.267	1095854		0.53(0.26-0.79)		3806	M
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.825	4.813	0.012	1.046	3473922	2.62	Target=4.56	105	364	M
663.00 > 169.00	4.825	4.813	0.012	1.046	754702		4.60(2.28-6.84)		1764	
D 43 13C2 PFTeDA										
715.00 > 670.00	5.022	5.012	0.010	1.449	1802945	1.54		123	3083	M
42 Perfluorotetradecanoic acid										
713.00 > 169.00	5.032	5.012	0.020	1.002	518395	2.24	Target=0.94	89.7	2241	
713.00 > 219.00	5.022	5.012	0.010	1.000	546557		0.95(0.47-1.41)		2294	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	5.389	5.366	0.023	1.555	1848163	1.39		111	2056	M
45 Perfluorohexadecanoic acid										M
813.00 > 769.00	5.389	5.378	0.011	1.000	3127903	2.35	Target=4.38	93.8	525	M
813.00 > 169.00	5.389	5.378	0.011	1.000	687903		4.55(2.19-6.57)		1817	M
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.740	5.713	0.027	1.065	2315637	2.36	Target=4.31	94.2	402	M
913.00 > 169.00	5.740	5.713	0.027	1.065	520380		4.45(2.16-6.47)		1190	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PFAS32NCIC5_00028

Amount Added: 100.00

Units: uL

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B14.d

Injection Date: 11-Aug-2022 20:17:36

Instrument ID: LC812

Lims ID: CCV L5

Client ID:

Operator ID: lc812tech

ALS Bottle#: 14

Worklist Smp#: 14

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

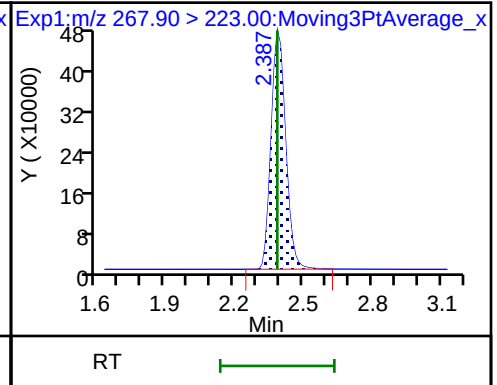
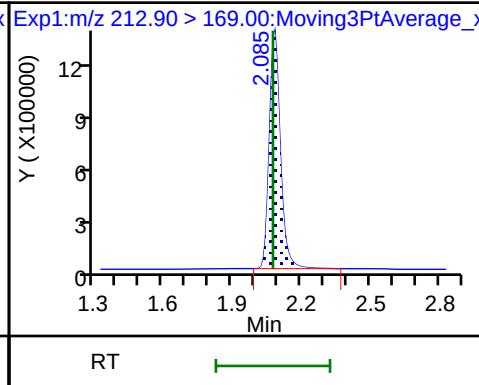
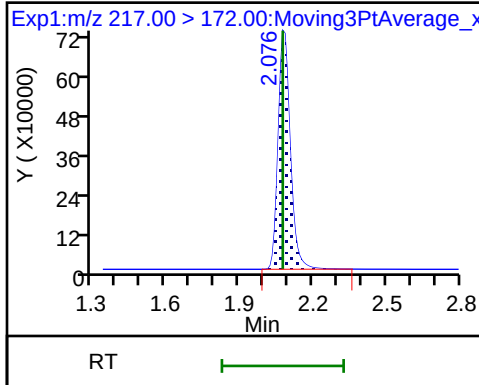
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA (M)

2 Perfluorobutanoic acid (M)

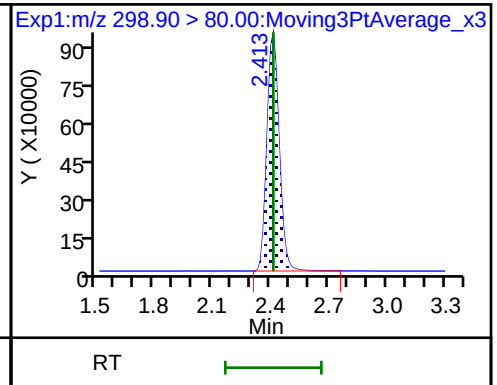
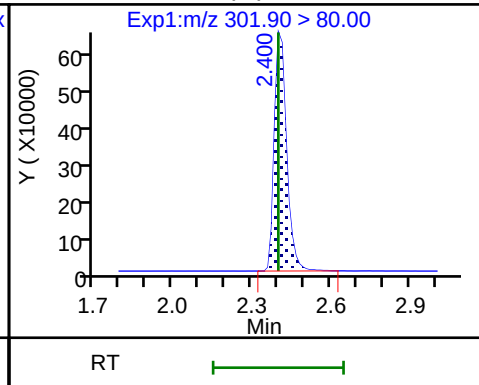
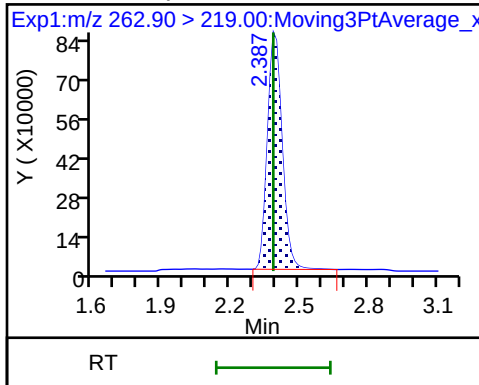
D 3 13C5 PFPeA



4 Perfluoropentanoic acid

D 47 13C3 PFBS (M)

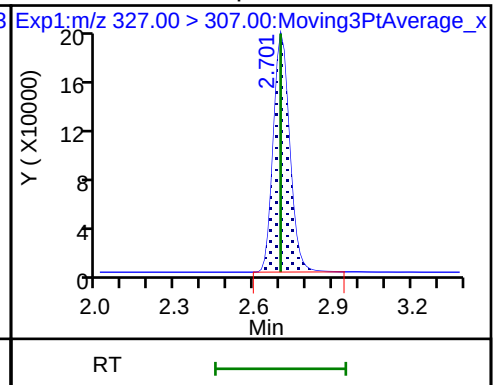
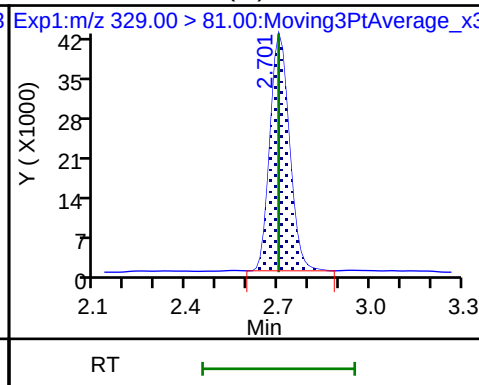
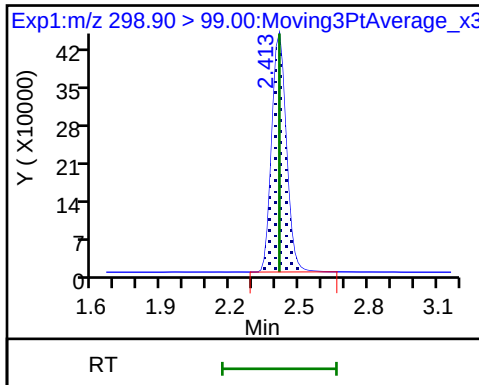
5 Perfluorobutanesulfonic acid



5 Perfluorobutanesulfonic acid

D 60 M2-4:2 FTS (M)

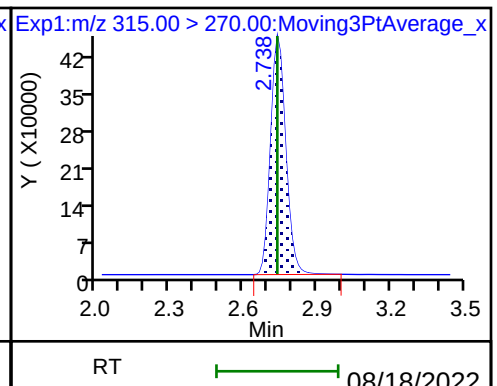
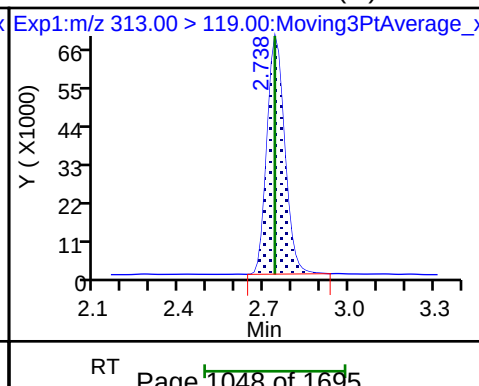
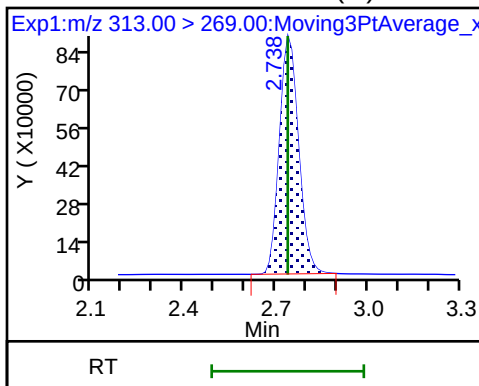
61 1H,1H,2H,2H-perfluorohexanesulfo (M)



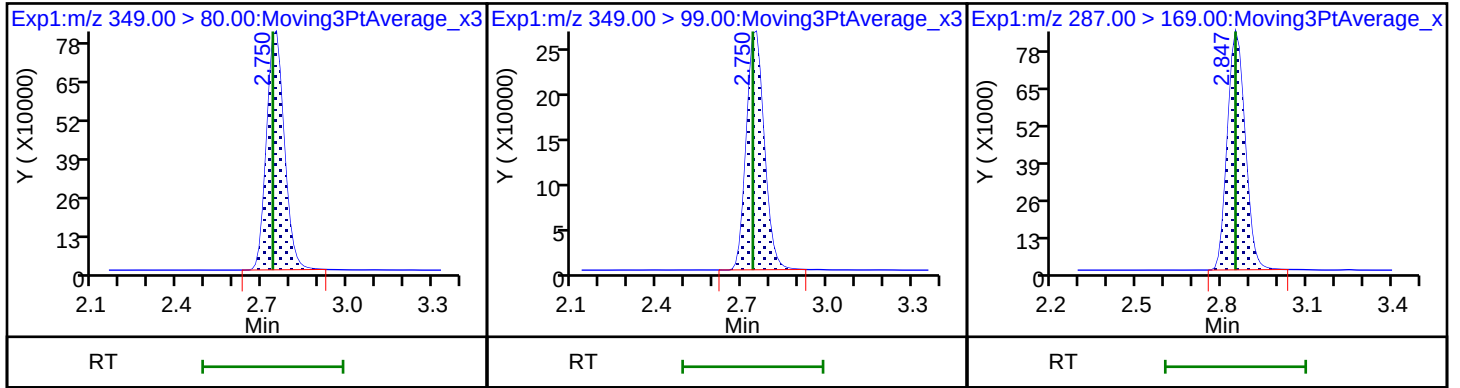
6 Perfluorohexanoic acid (M)

6 Perfluorohexanoic acid (M)

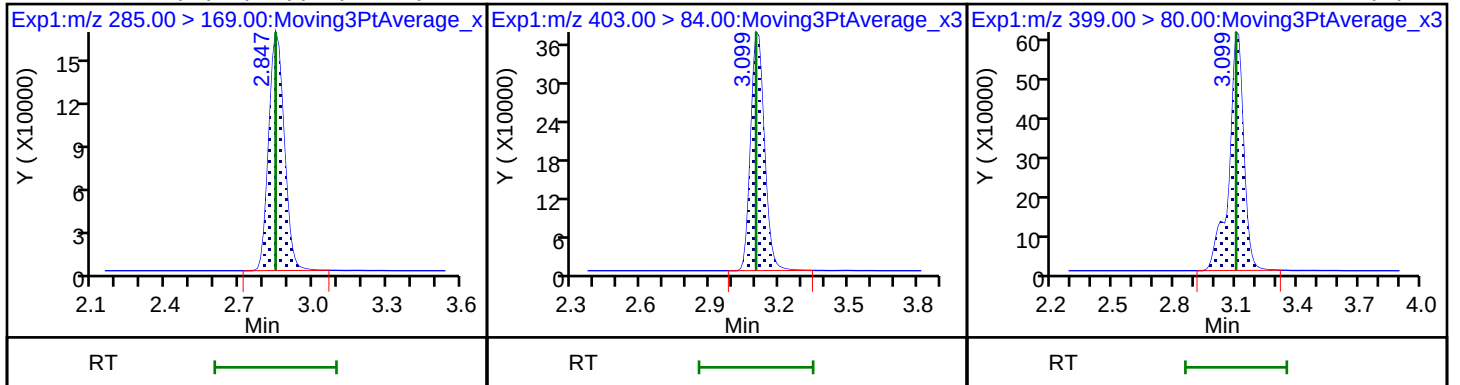
D 7 13C2 PFHxA



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



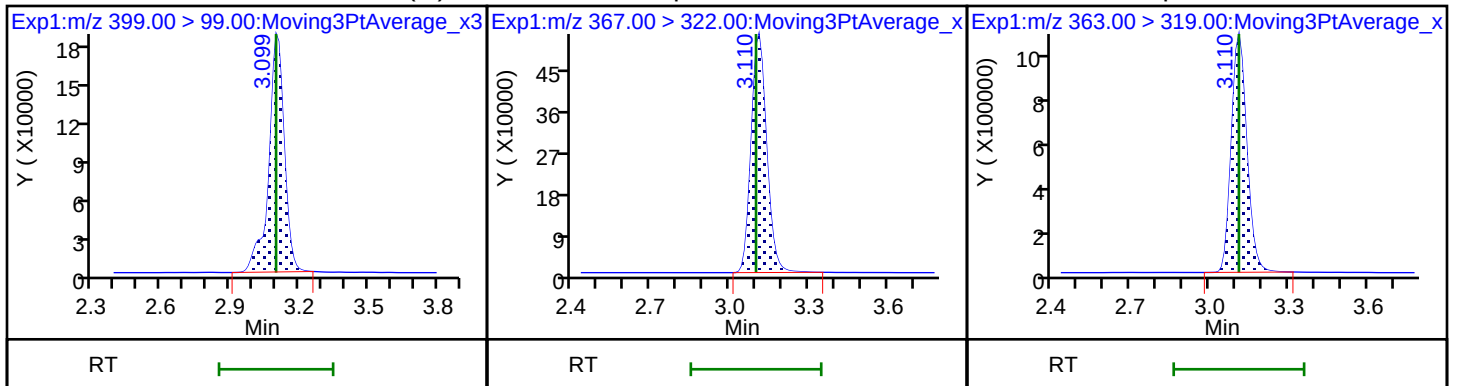
67 Perfluoro(2-propoxypropanoic) ac D 11 18O2 PFHxS



8 Perfluorohexanesulfonic acid (M)

D 9 13C4 PFHpA

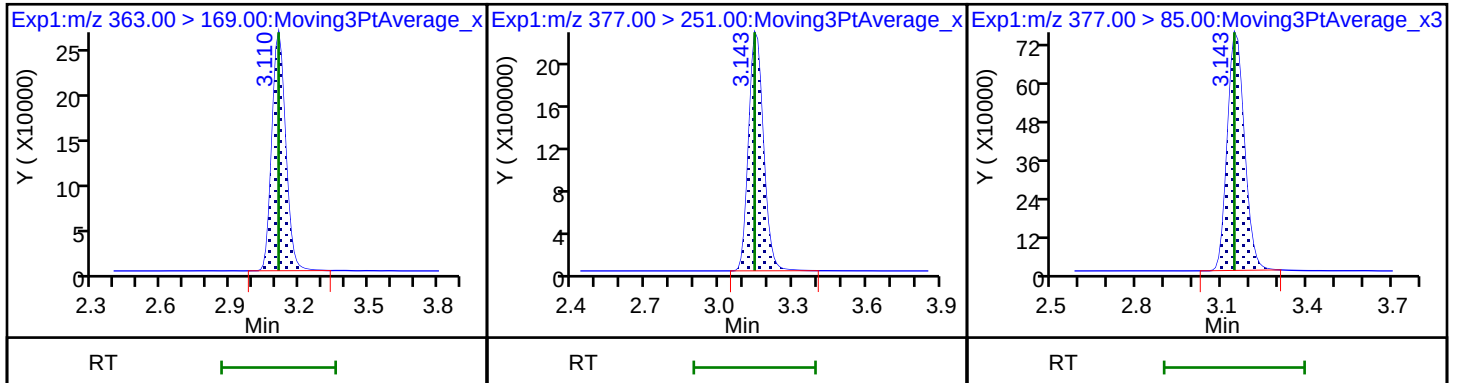
10 Perfluoroheptanoic acid



10 Perfluoroheptanoic acid

77 DONA (M)

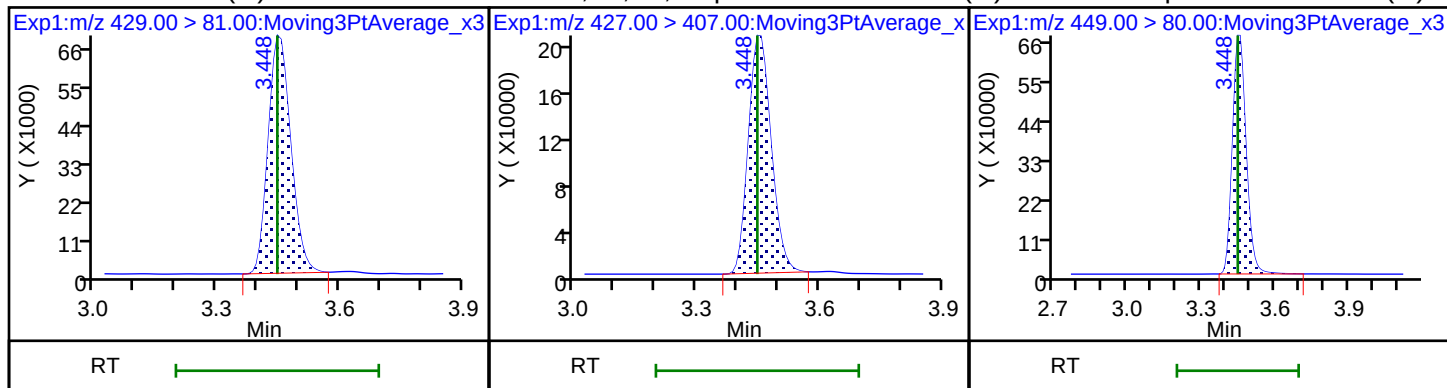
77 DONA (M)



D 12 M2-6:2 FTS (M)

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

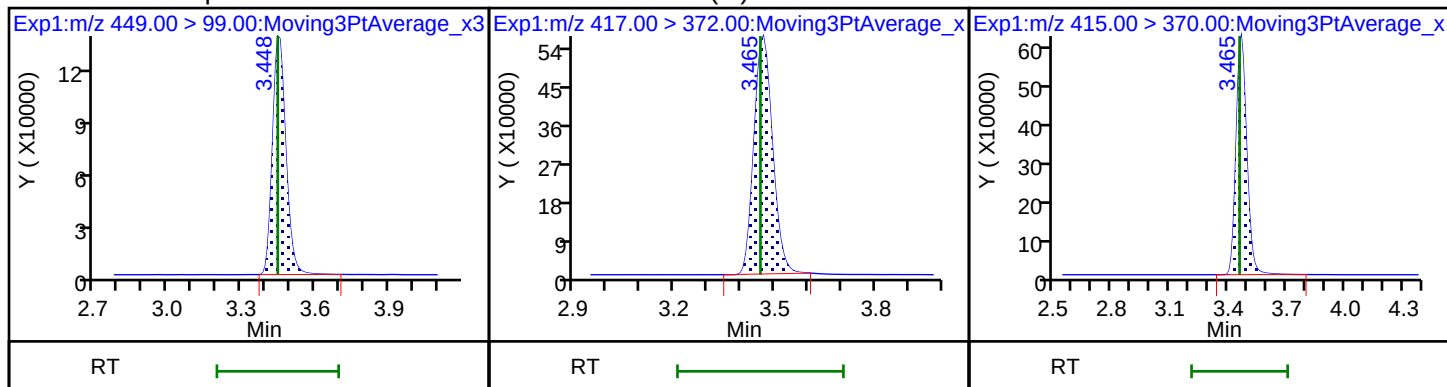
16 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid

D 14 13C4 PFOA (M)

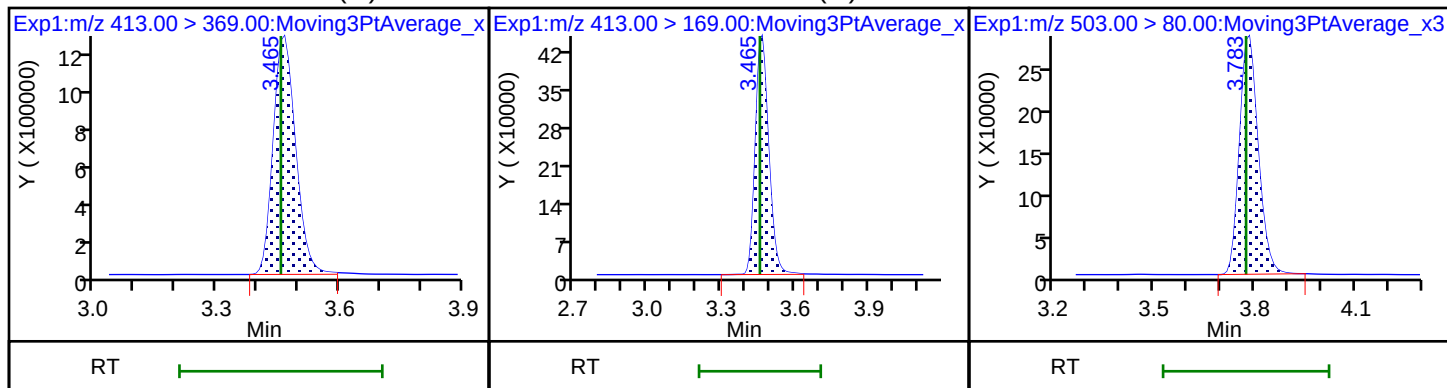
* 62 13C2 PFOA



15 Perfluorooctanoic acid (M)

15 Perfluorooctanoic acid (M)

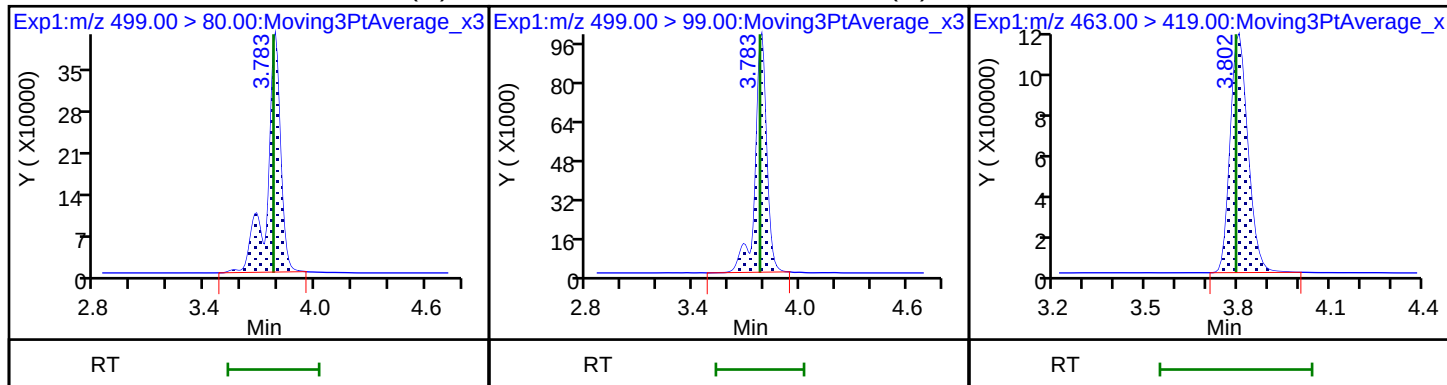
D 18 13C4 PFOS

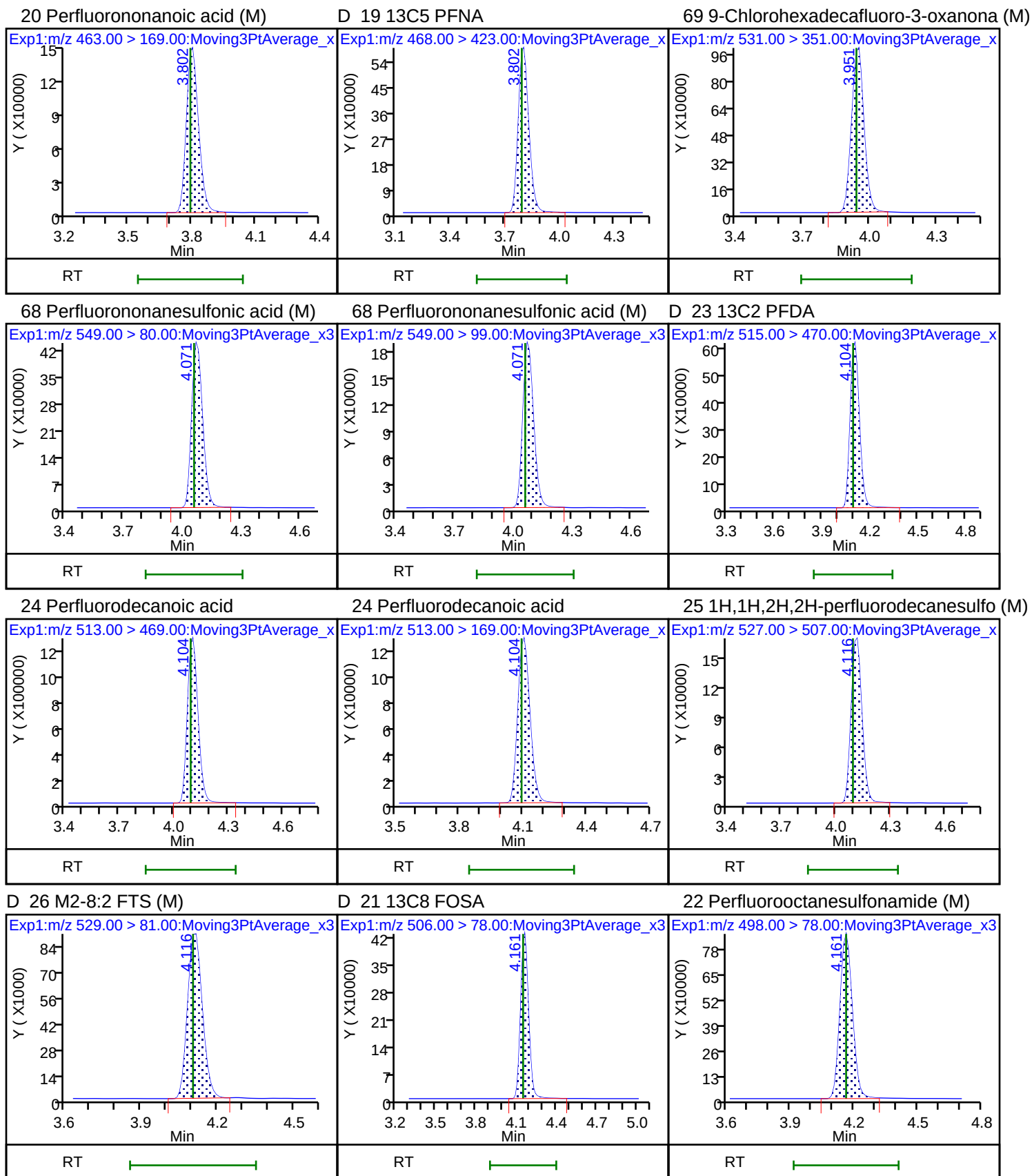


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

20 Perfluorononanoic acid

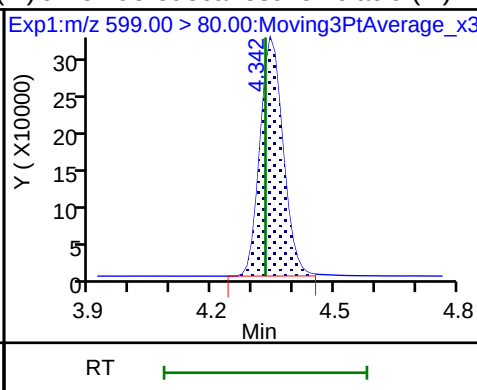
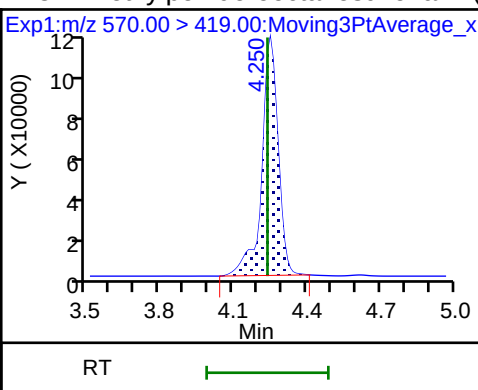
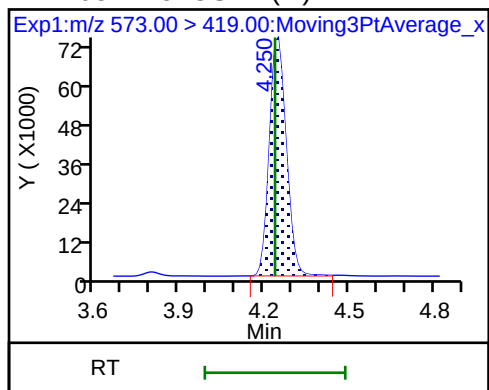




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami (M)

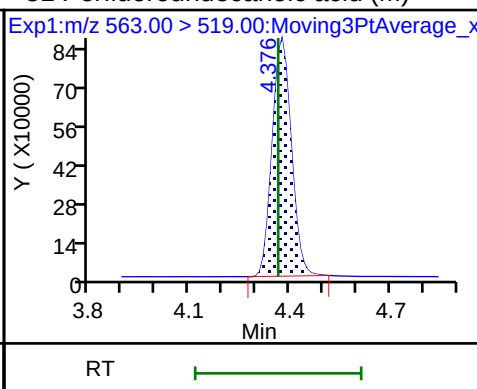
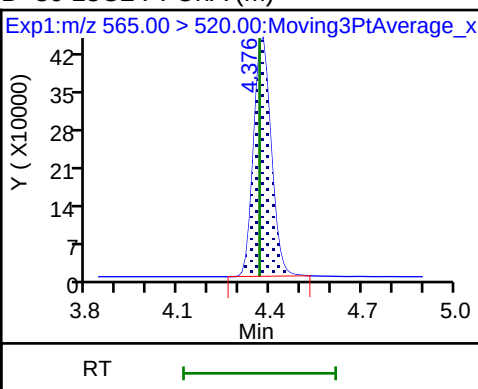
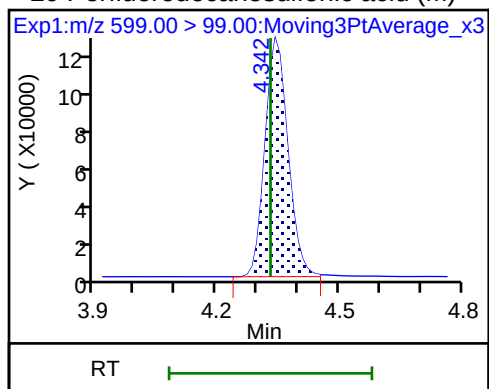
29 Perfluorodecanesulfonic acid (M)



29 Perfluorodecanesulfonic acid (M)

D 30 13C2 PFUnA (M)

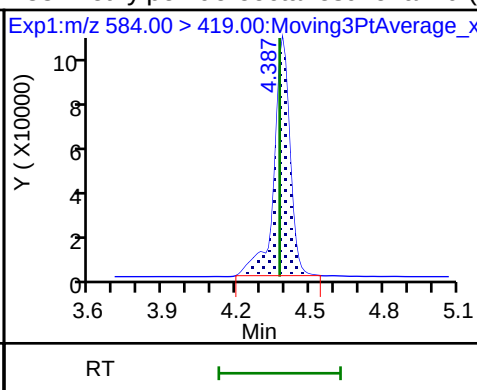
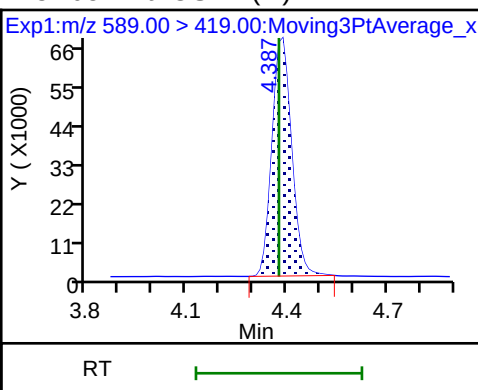
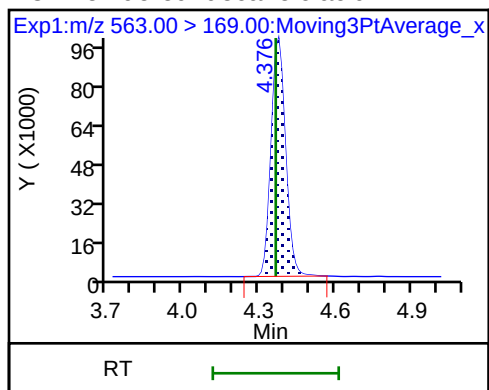
31 Perfluoroundecanoic acid (M)



31 Perfluoroundecanoic acid

D 32 d5-NEtFOSAA (M)

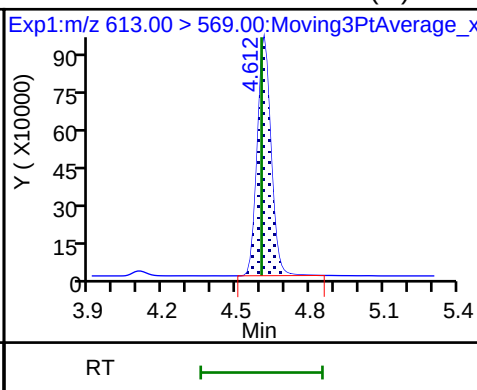
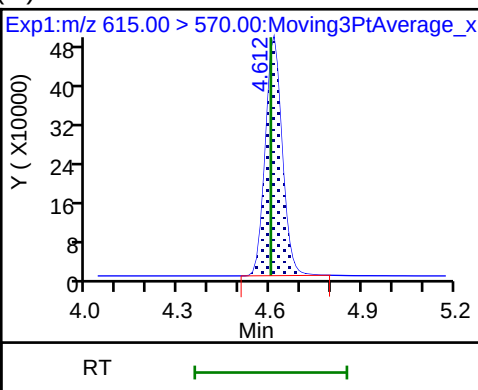
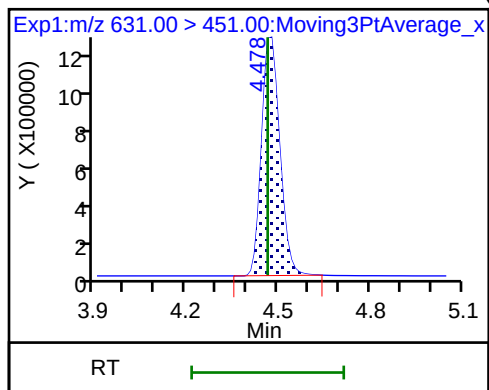
33 N-ethylperfluorooctanesulfonamid (M)

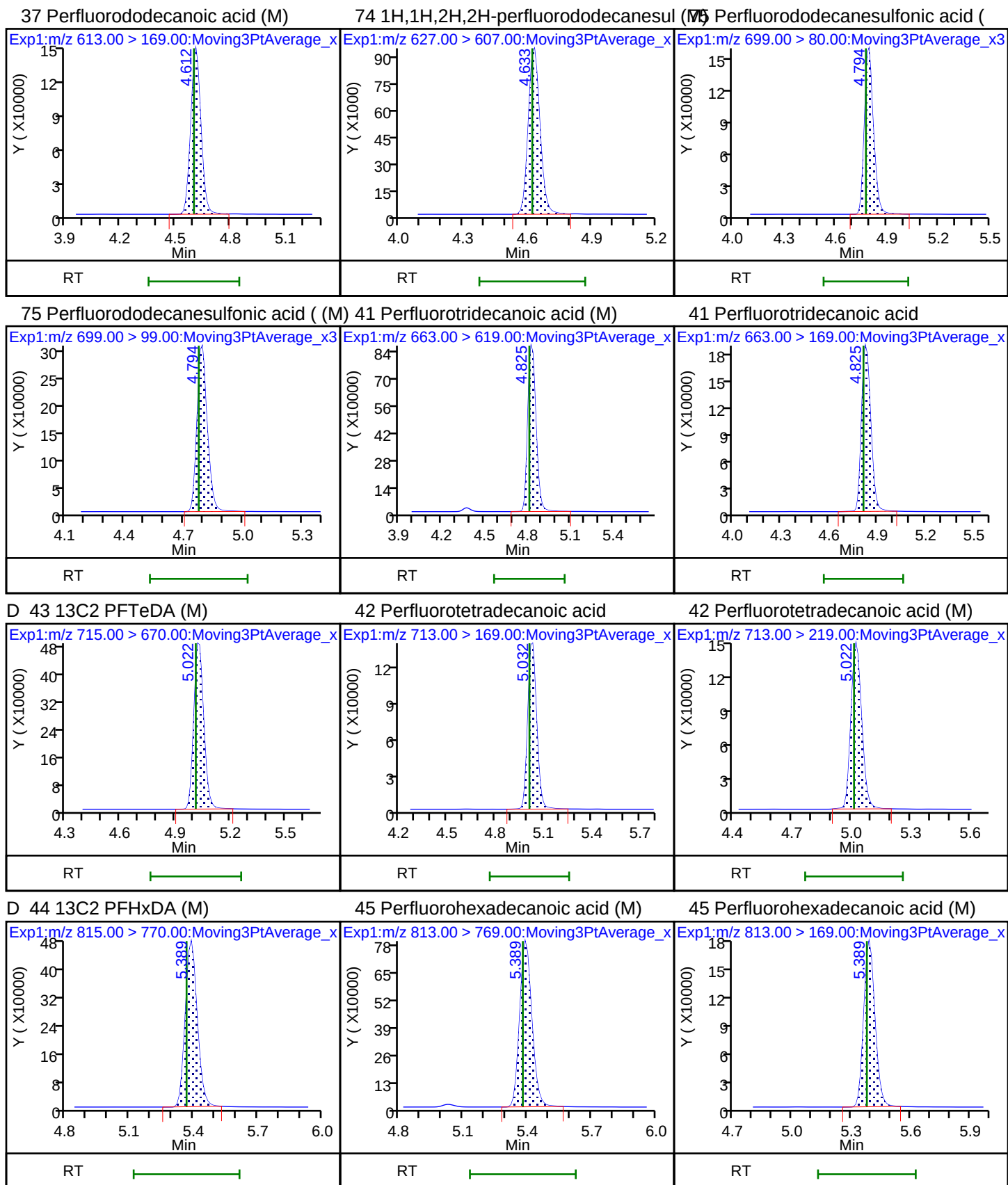


66 11-Chloroeicosafluoro-3-oxaundec (M)

36 13C2 PFDaA

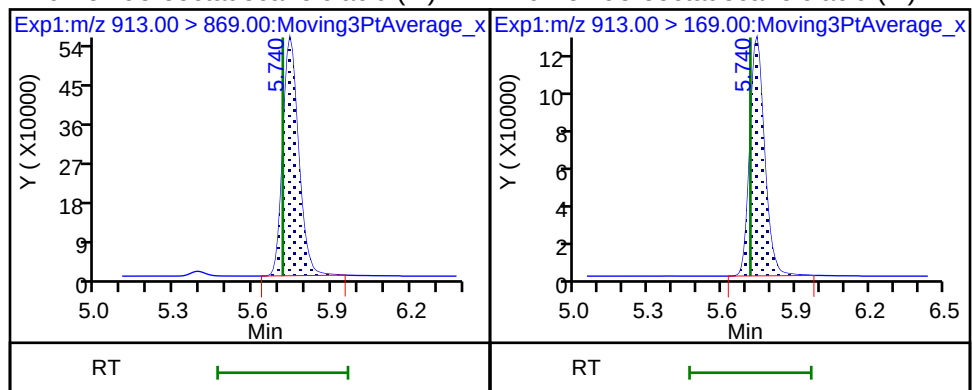
37 Perfluorododecanoic acid (M)





46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

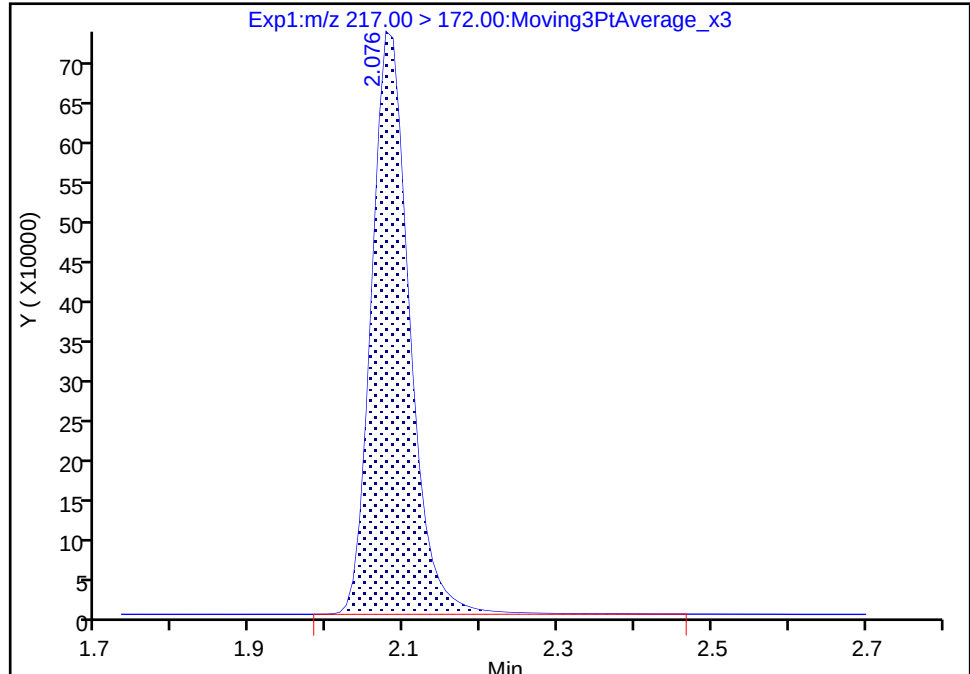
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B14.d
Injection Date: 11-Aug-2022 20:17:36 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 1 13C4 PFBA, CAS: STL00992

Signal: 1

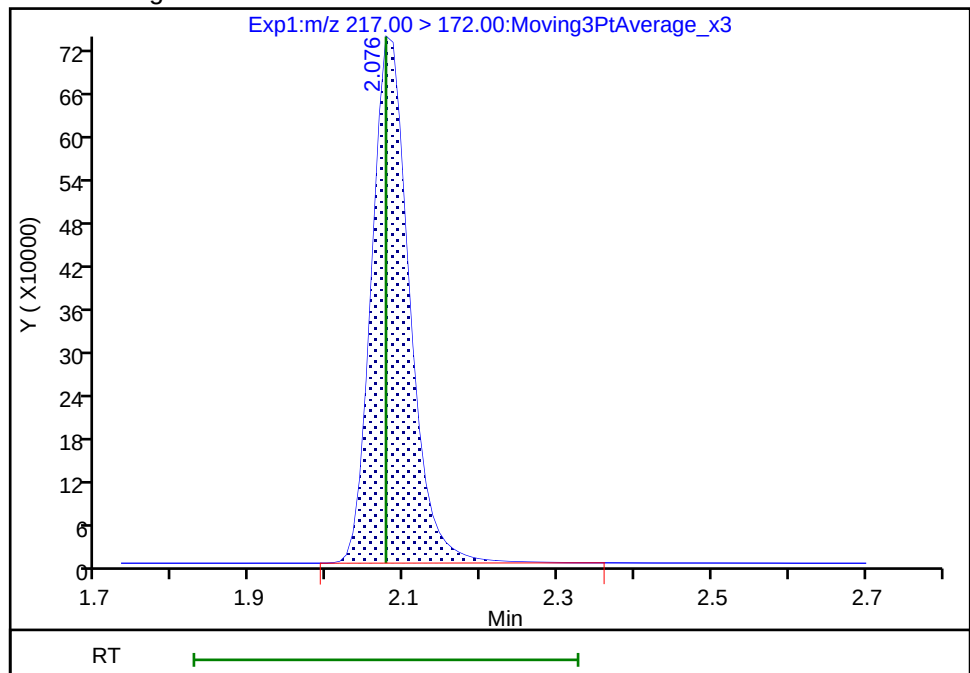
RT: 2.08
Area: 2503856
Amount: 1.131738
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 2498962
Amount: 1.129526
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 08:11:29

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

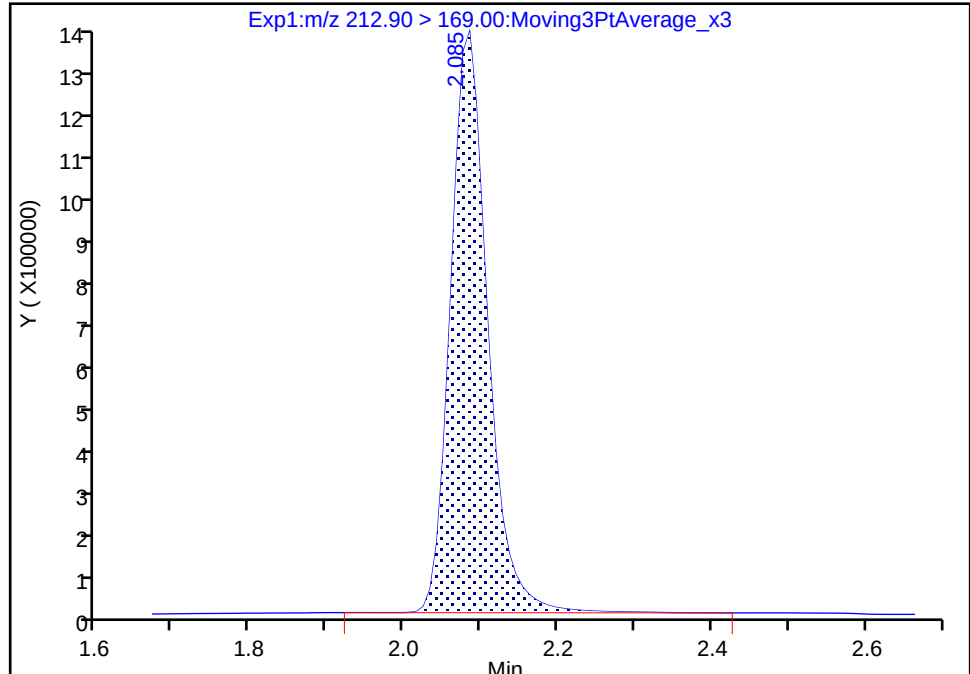
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B14.d
Injection Date: 11-Aug-2022 20:17:36 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

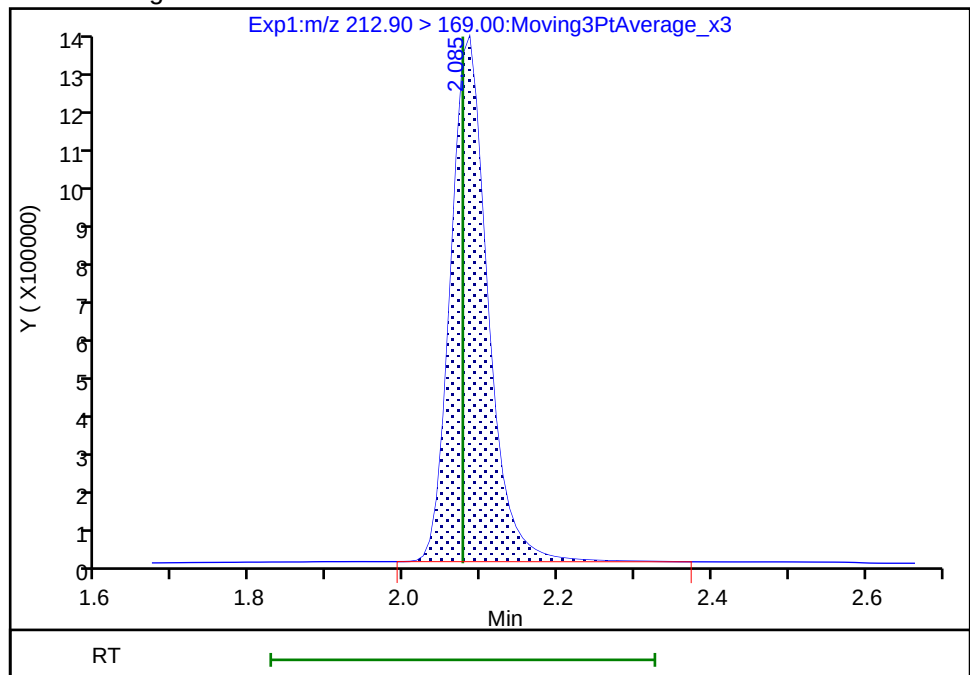
RT: 2.08
Area: 4407186
Amount: 2.268971
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 4401738
Amount: 2.270604
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 09:32:52
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

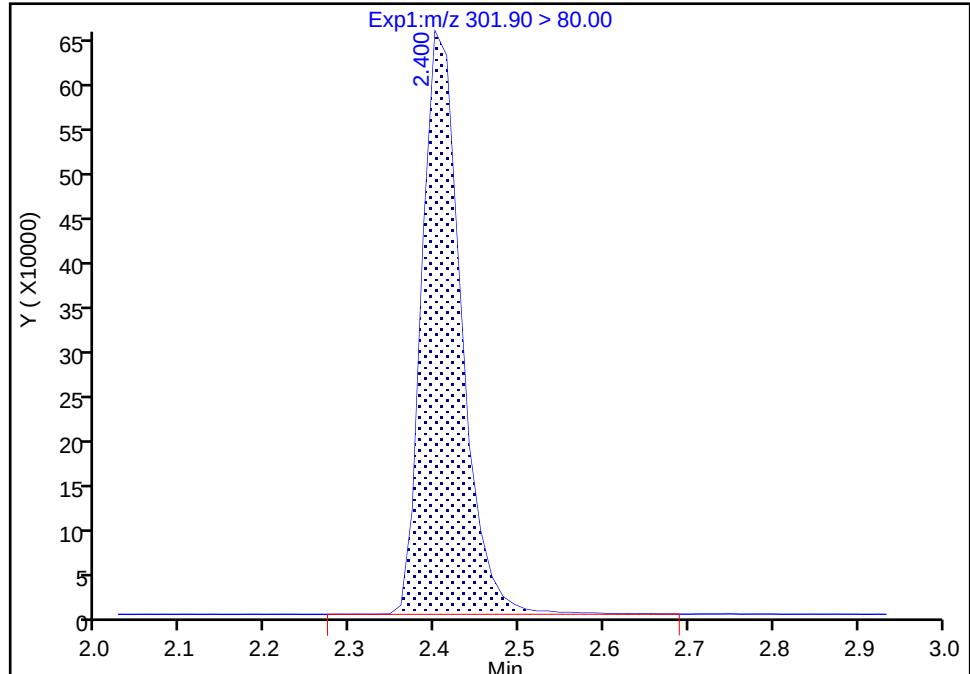
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B14.d
Injection Date: 11-Aug-2022 20:17:36 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

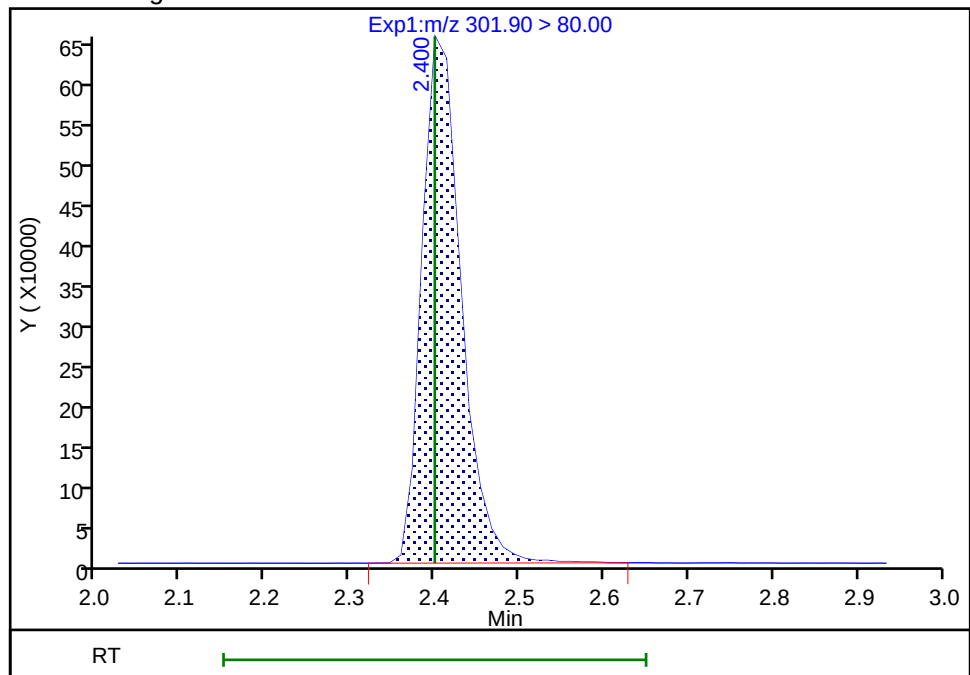
RT: 2.40
Area: 2095691
Amount: 1.064333
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 2090961
Amount: 1.061931
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 09:31:32

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

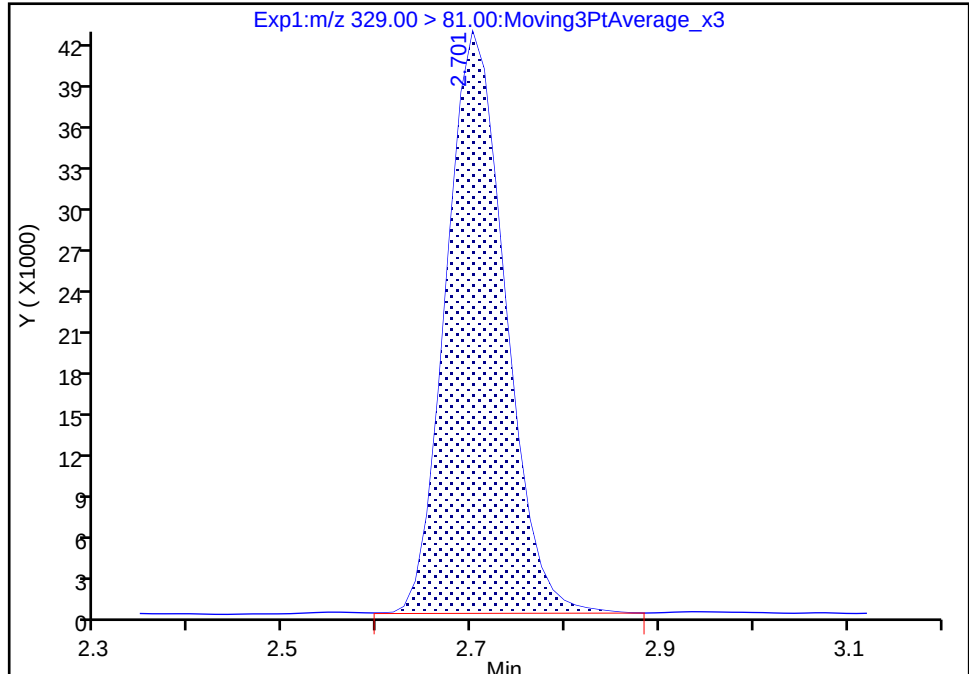
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B14.d
Injection Date: 11-Aug-2022 20:17:36 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

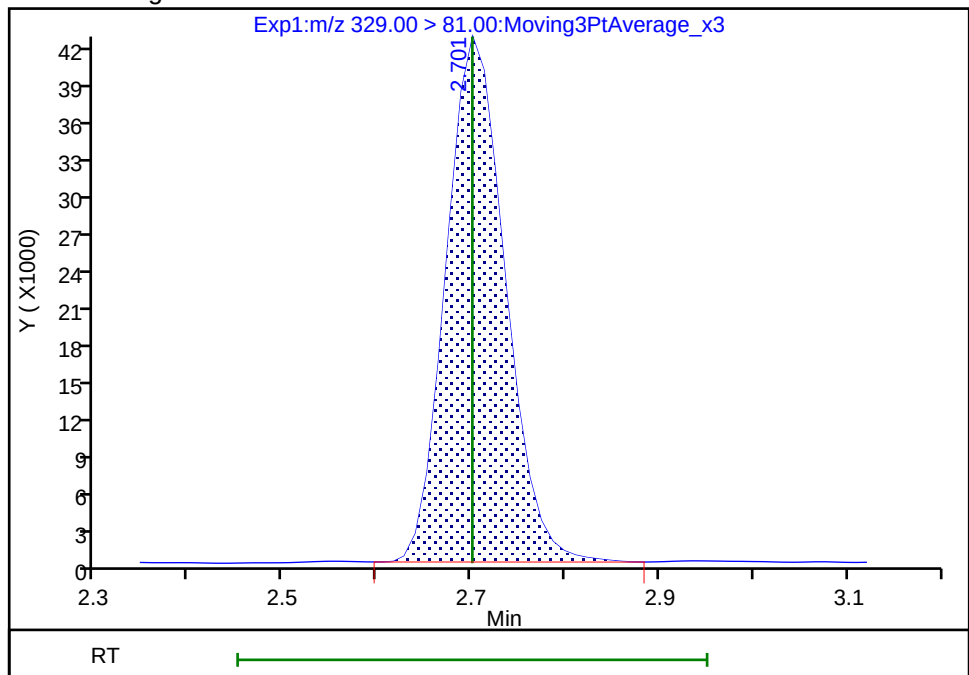
RT: 2.70
Area: 185304
Amount: 1.093165
Amount Units: ng/ml

Processing Integration Results



RT: 2.70
Area: 184942
Amount: 1.091029
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 09:31:41

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B14.d

Injection Date: 11-Aug-2022 20:17:36

Instrument ID: LC812

Lims ID: CCV L5

Client ID:

Operator ID: lc812tech

ALS Bottle#: 14

Worklist Smp#: 14

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

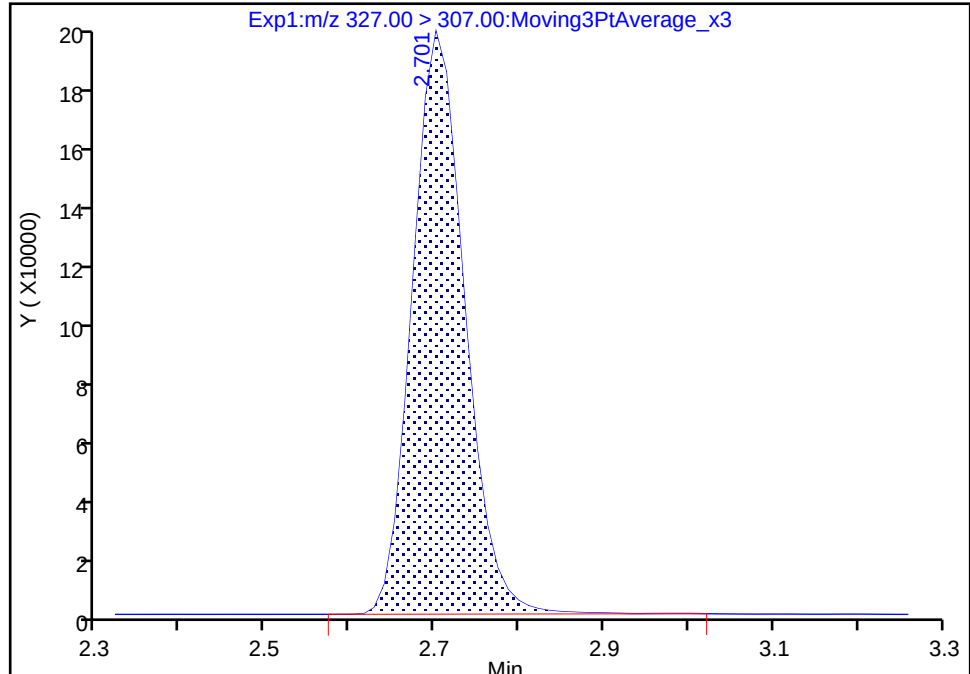
Detector: EXP1

61 1H,1H,2H,2H-perfluorohexanesulfo, CAS: 757124-72-4

Signal: 1

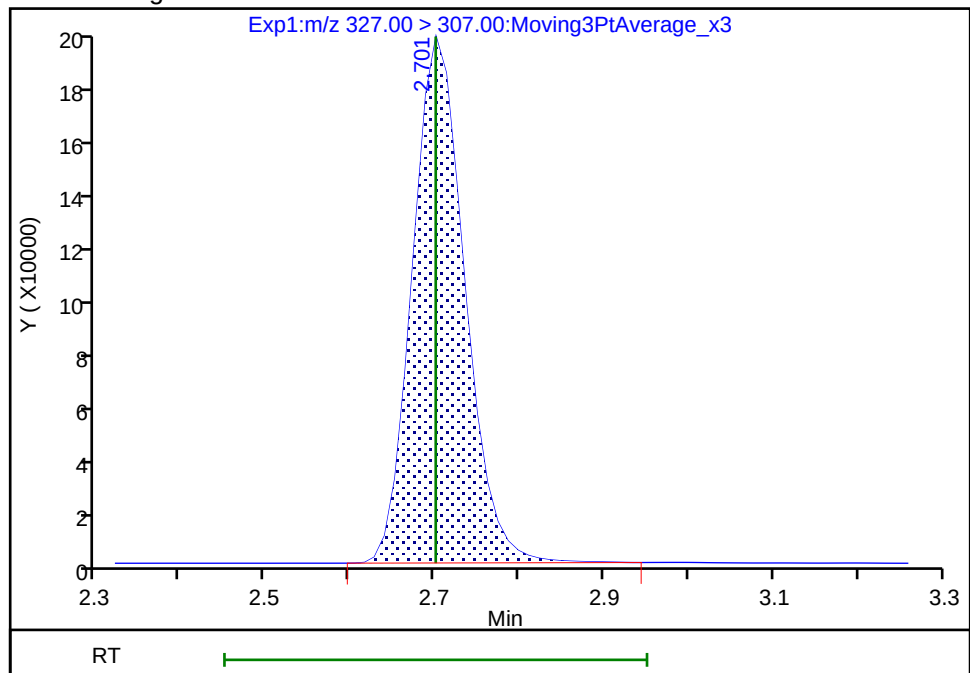
RT: 2.70
Area: 842656
Amount: 2.238059
Amount Units: ng/ml

Processing Integration Results



RT: 2.70
Area: 841462
Amount: 2.234888
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 09:33:08

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

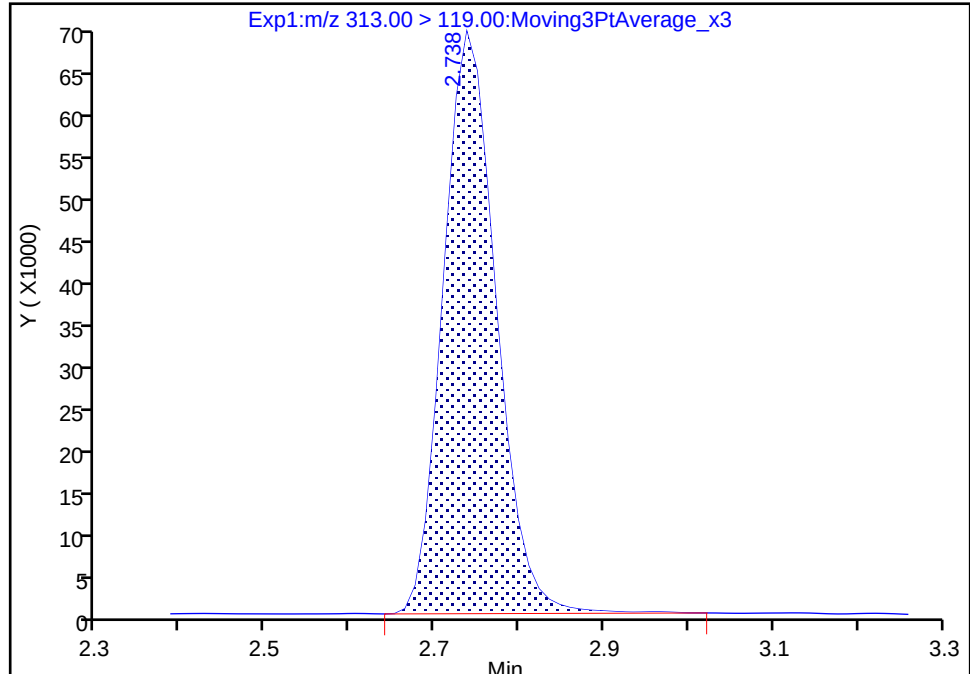
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B14.d
Injection Date: 11-Aug-2022 20:17:36 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

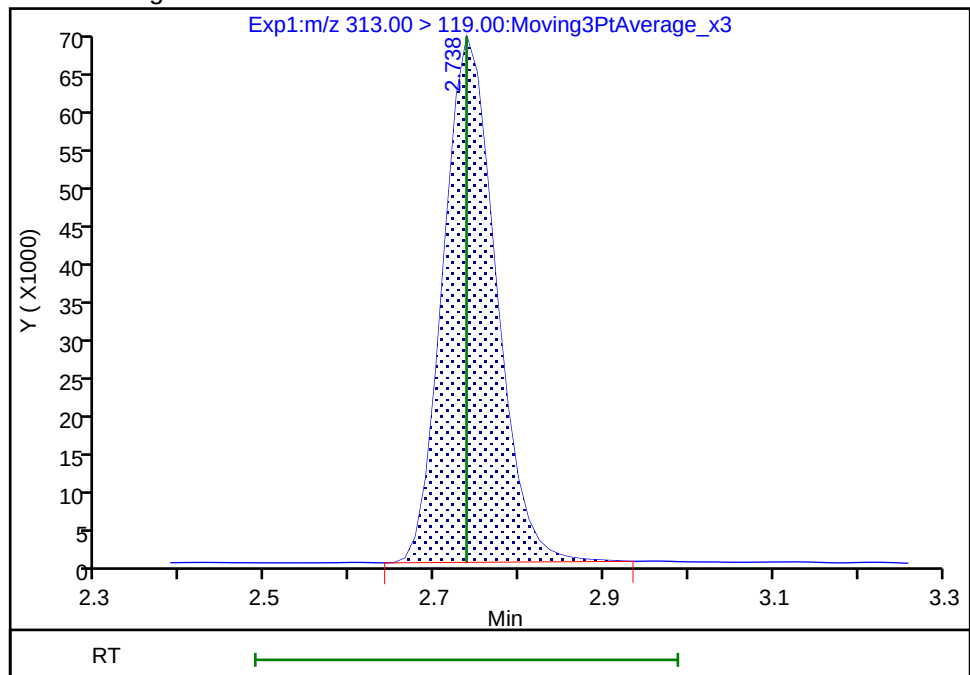
RT: 2.74
Area: 303339
Amount: 2.411968
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 301987
Amount: 2.384850
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 09:33:26
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

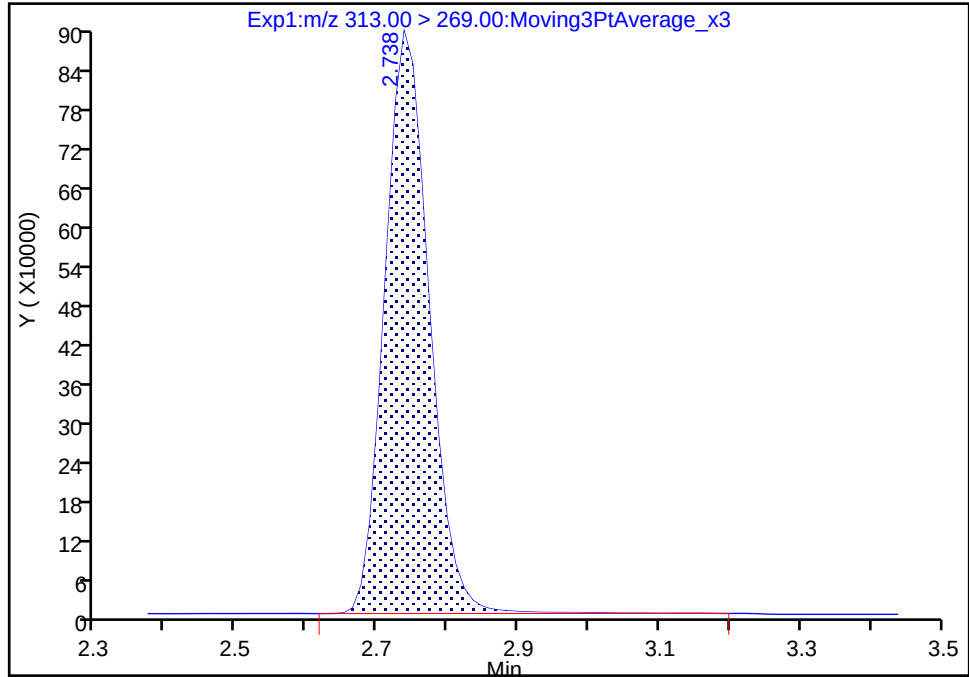
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B14.d
Injection Date: 11-Aug-2022 20:17:36 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

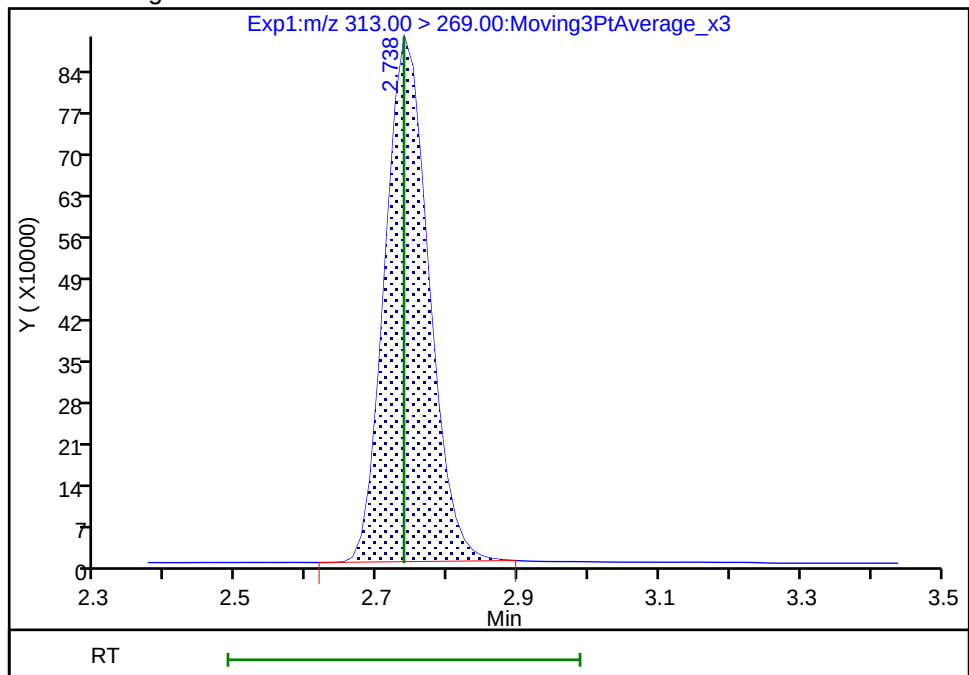
RT: 2.74
Area: 3916050
Amount: 2.411968
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 3872021
Amount: 2.384850
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 08:12:11

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

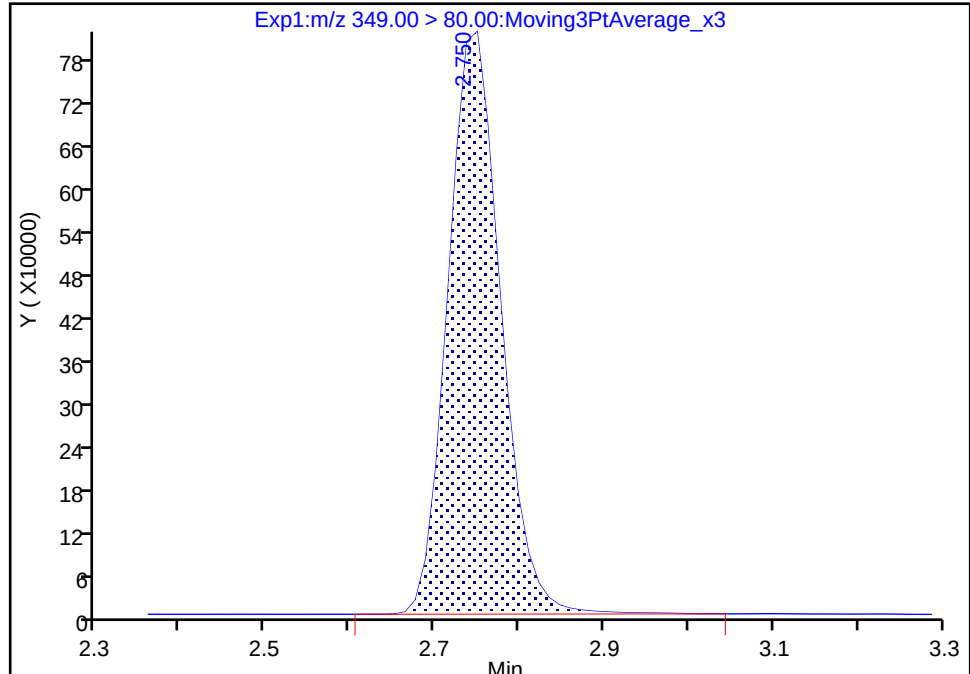
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B14.d
Injection Date: 11-Aug-2022 20:17:36 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 1

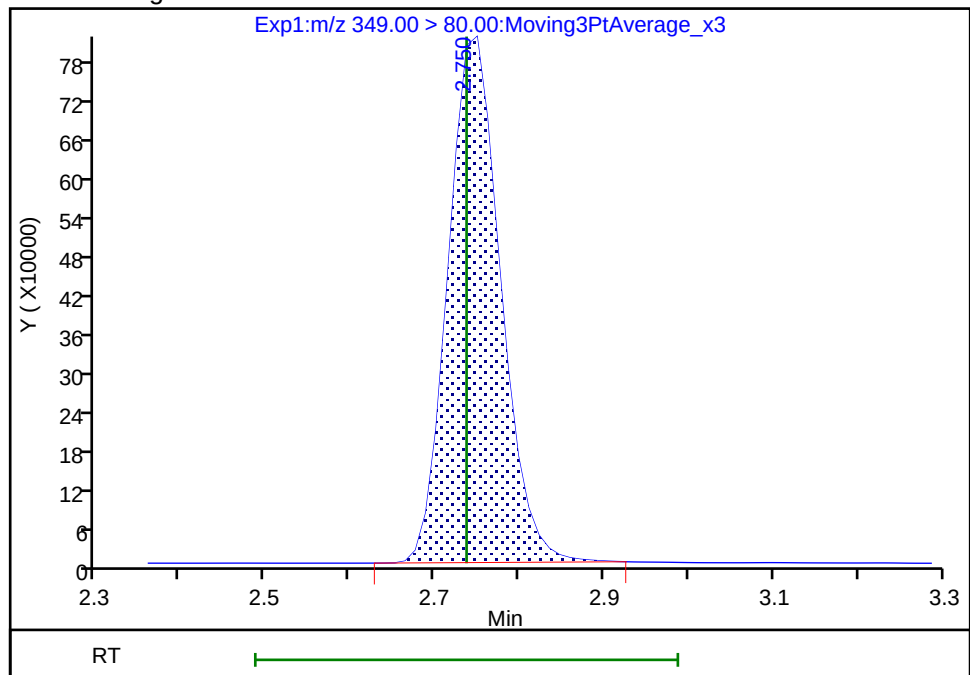
RT: 2.75
Area: 3510720
Amount: 2.072883
Amount Units: ng/ml

Processing Integration Results



RT: 2.75
Area: 3490095
Amount: 2.060705
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 08:12:17

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

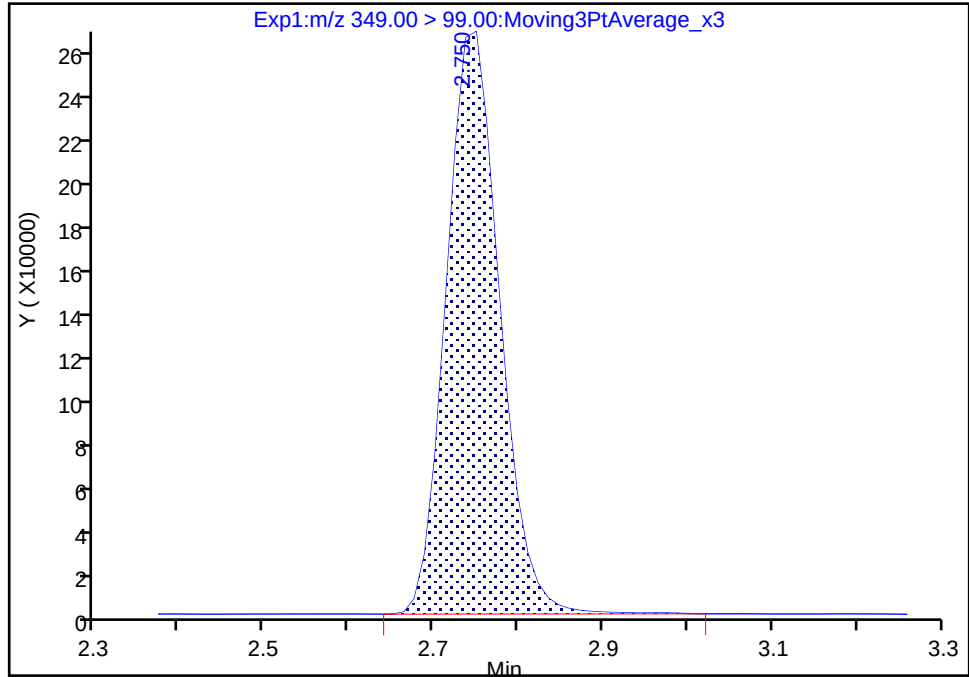
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B14.d
Injection Date: 11-Aug-2022 20:17:36 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 2

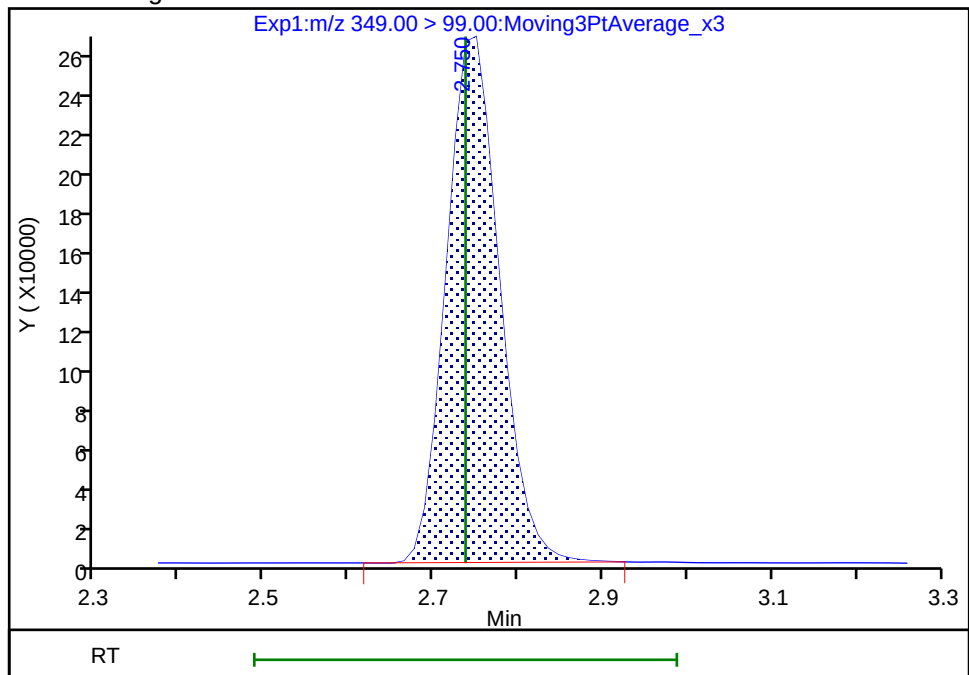
RT: 2.75
Area: 1178831
Amount: 2.072883
Amount Units: ng/ml

Processing Integration Results



RT: 2.75
Area: 1172097
Amount: 2.060705
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 08:12:22

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

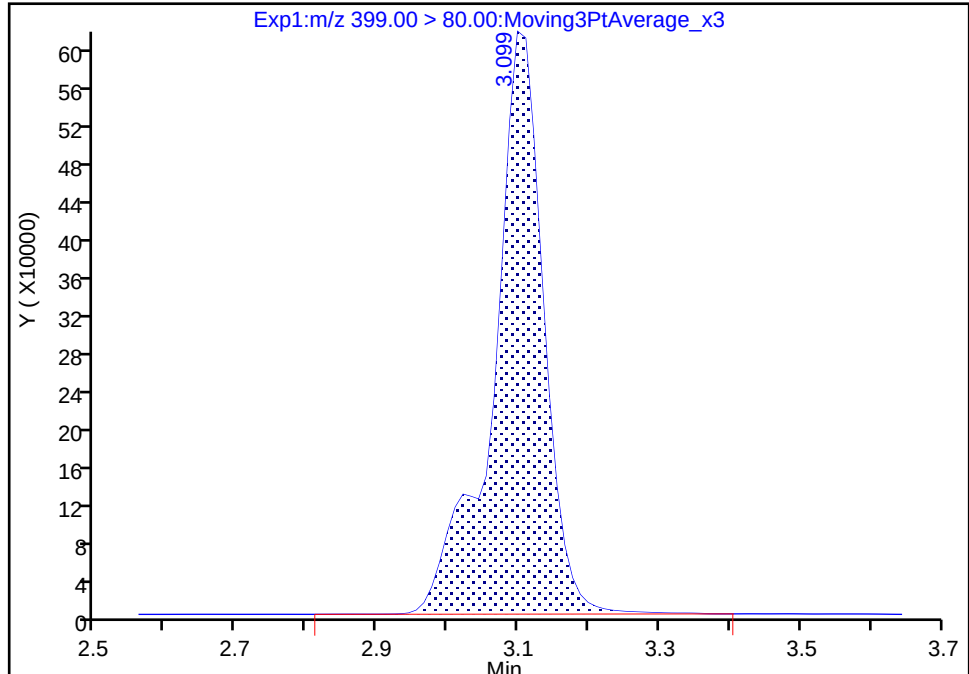
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B14.d
Injection Date: 11-Aug-2022 20:17:36 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

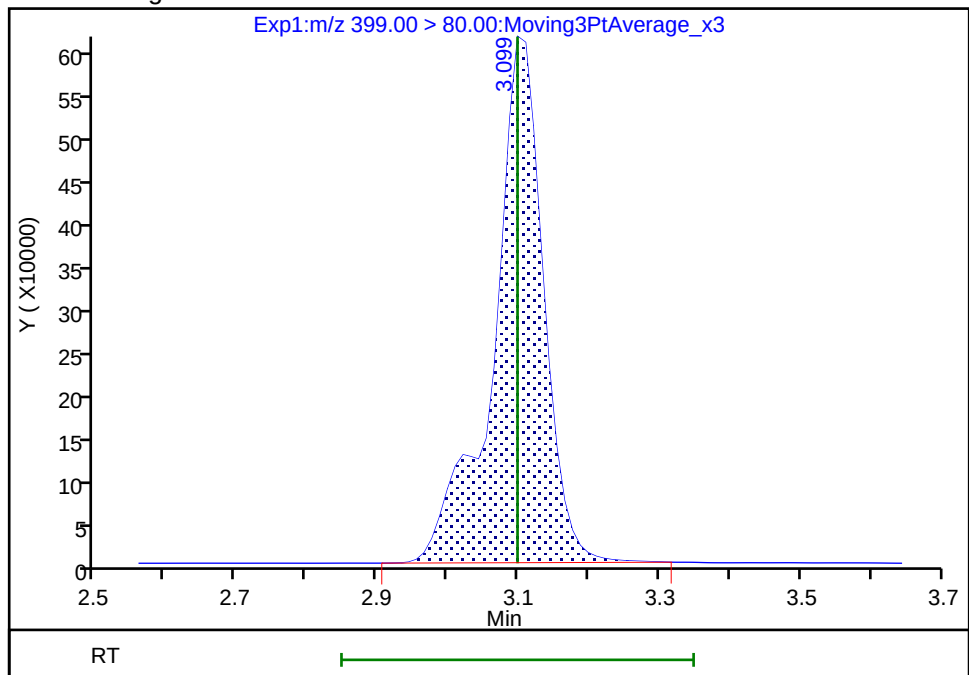
RT: 3.10
Area: 3020843
Amount: 2.096807
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 3009239
Amount: 2.088752
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 09:33:41
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1064 of 1695

08/18/2022

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B14.d

Injection Date: 11-Aug-2022 20:17:36

Instrument ID: LC812

Lims ID: CCV L5

Client ID:

Operator ID: lc812tech

ALS Bottle#:

14

Worklist Smp#: 14

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

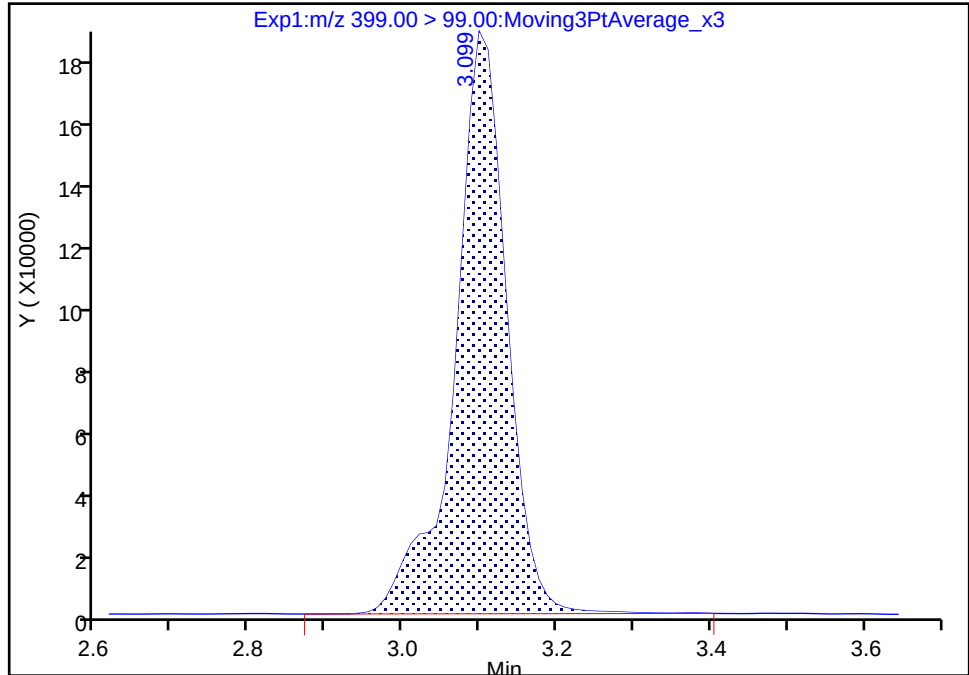
EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

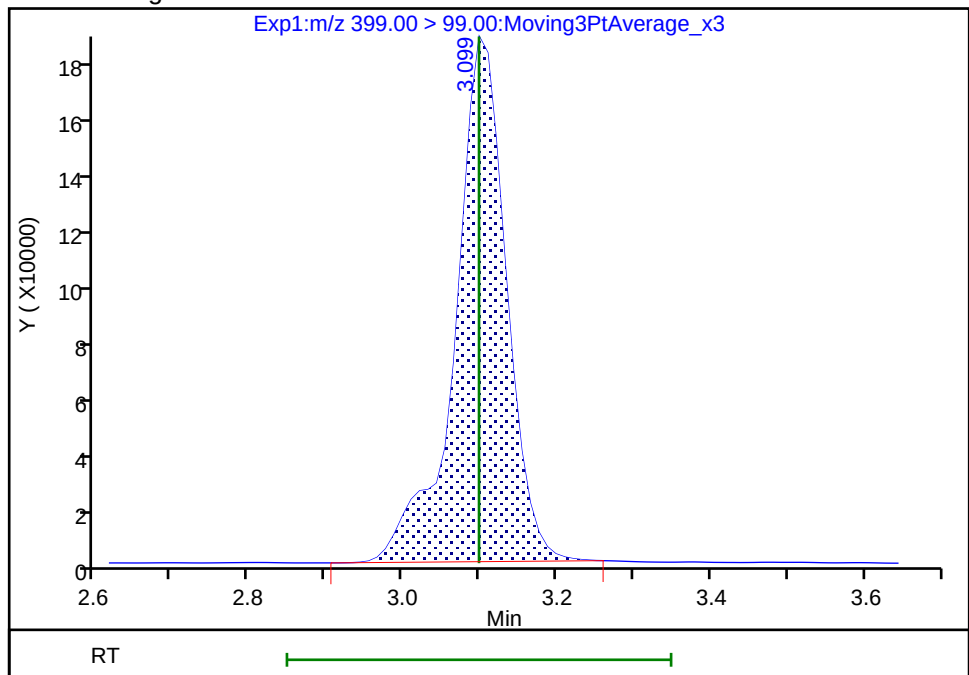
RT: 3.10
Area: 868935
Amount: 2.096807
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 859813
Amount: 2.088752
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 08:12:56

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

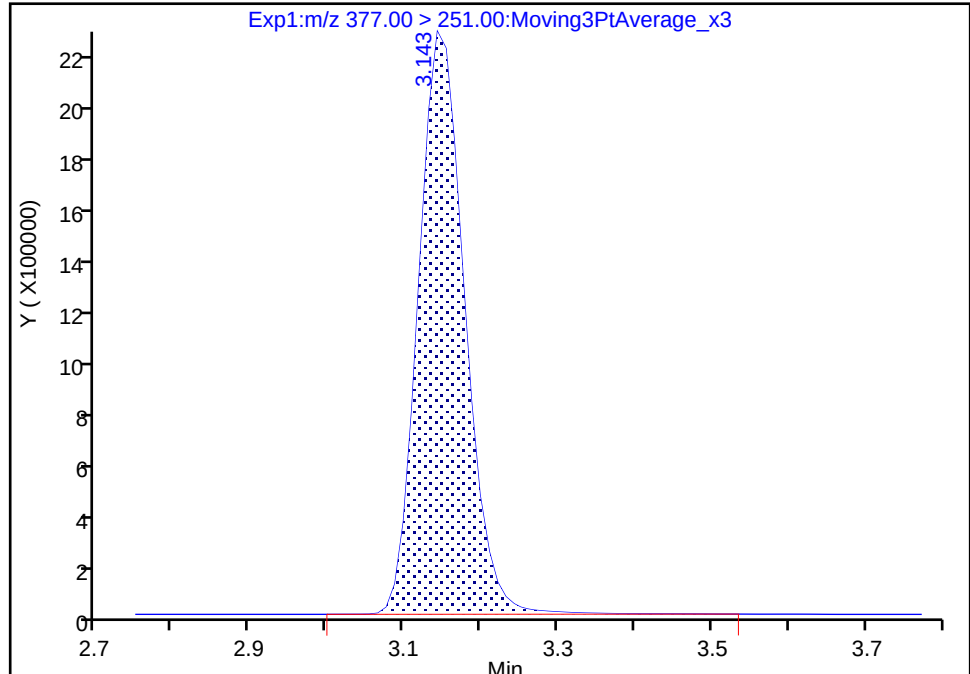
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B14.d
Injection Date: 11-Aug-2022 20:17:36 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

77 DONA, CAS: 919005-14-4

Signal: 1

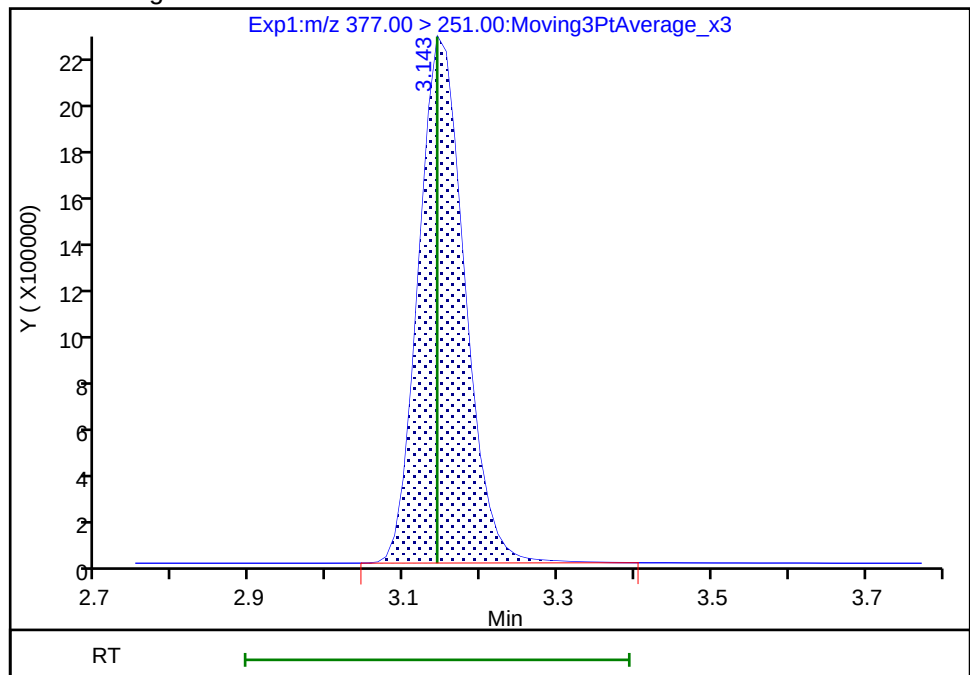
RT: 3.14
Area: 9198469
Amount: 2.393009
Amount Units: ng/ml

Processing Integration Results



RT: 3.14
Area: 9178203
Amount: 2.387737
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 09:33:57

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B14.d

Injection Date: 11-Aug-2022 20:17:36

Instrument ID: LC812

Lims ID: CCV L5

Client ID:

Operator ID: lc812tech

ALS Bottle#: 14

Worklist Smp#: 14

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

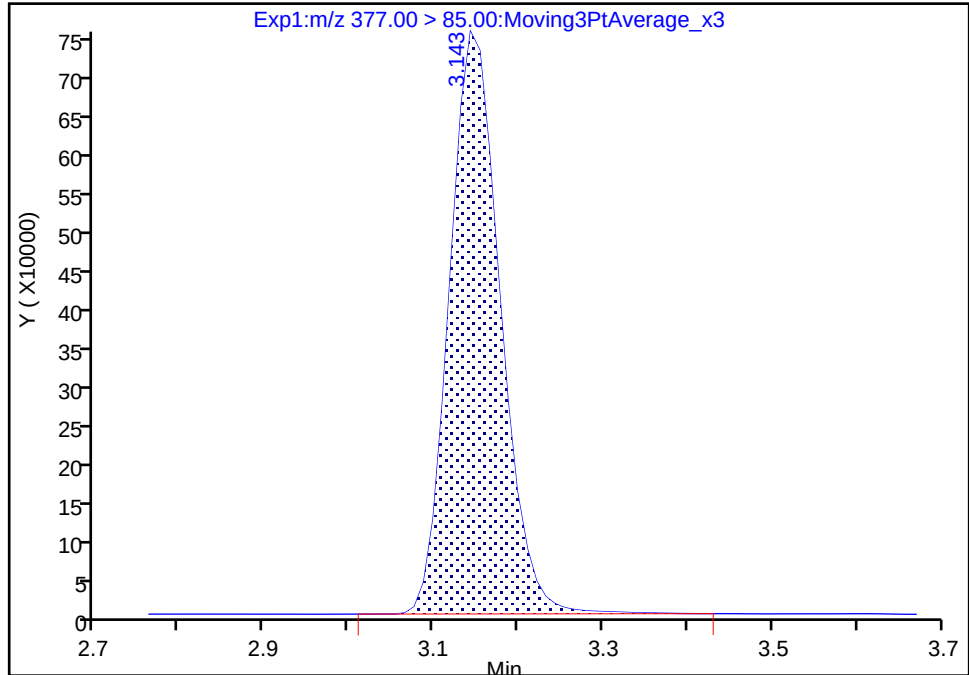
Detector: EXP1

77 DONA, CAS: 919005-14-4

Signal: 2

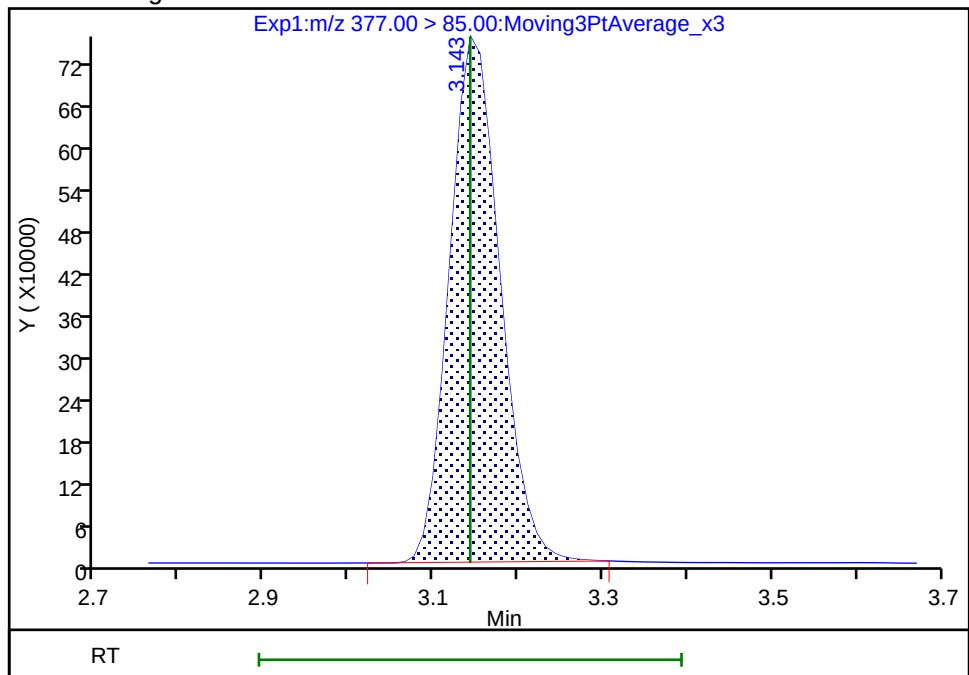
RT: 3.14
Area: 3146978
Amount: 2.393009
Amount Units: ng/ml

Processing Integration Results



RT: 3.14
Area: 3118824
Amount: 2.387737
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 08:13:13

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

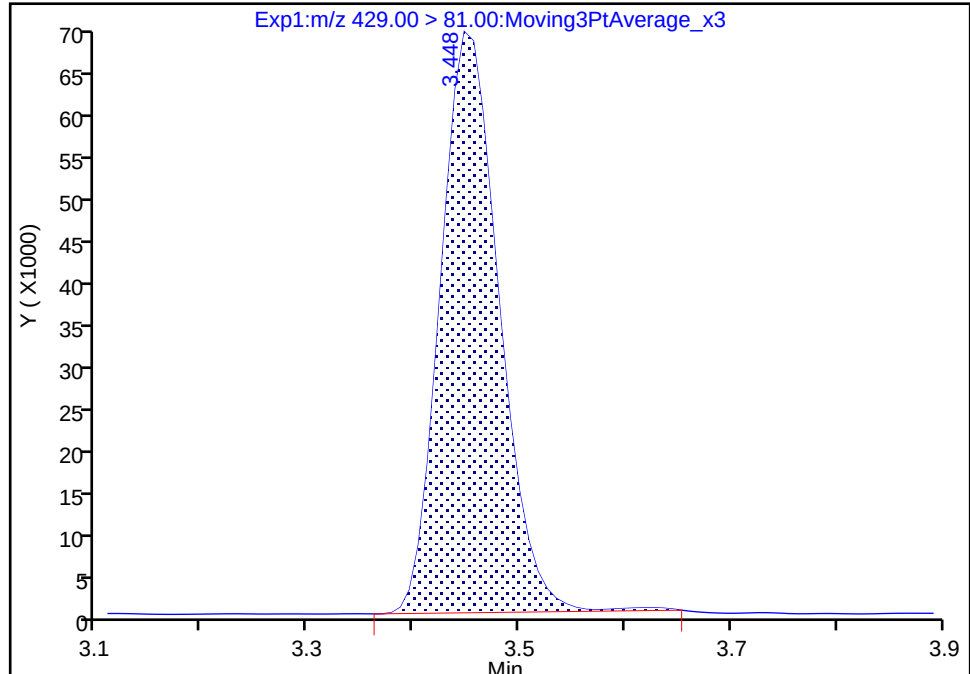
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B14.d
Injection Date: 11-Aug-2022 20:17:36 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

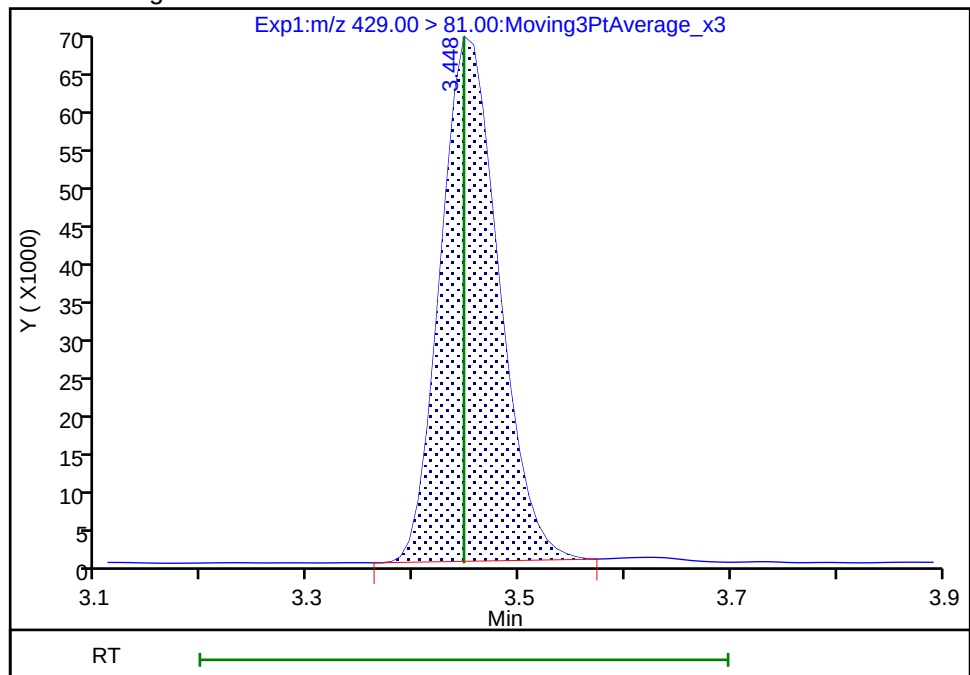
RT: 3.45
Area: 267676
Amount: 1.154861
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 265455
Amount: 1.145279
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 08:13:21

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

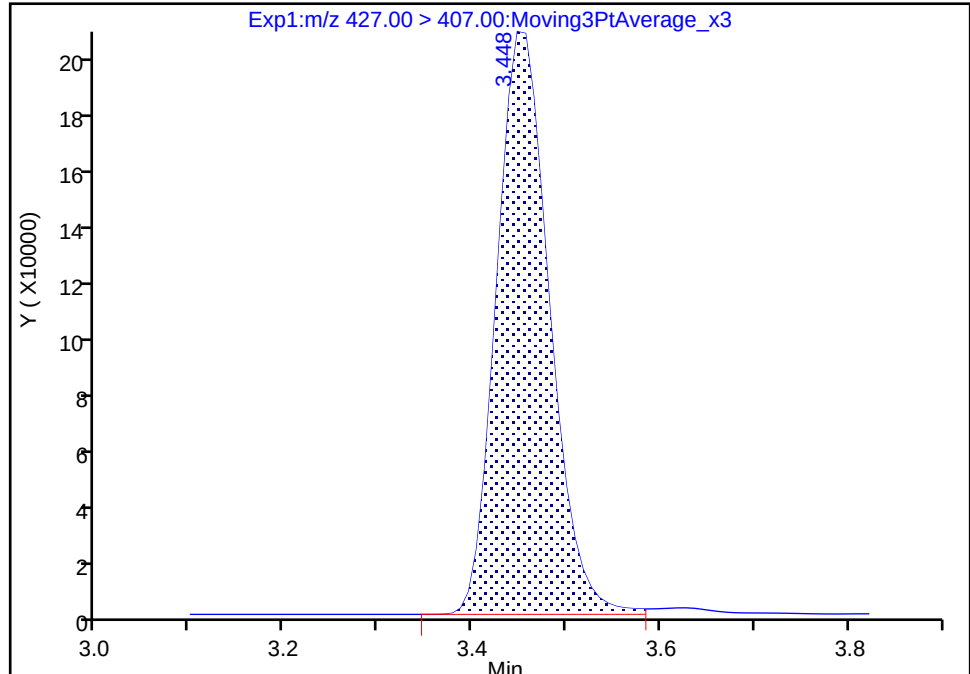
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B14.d
Injection Date: 11-Aug-2022 20:17:36 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

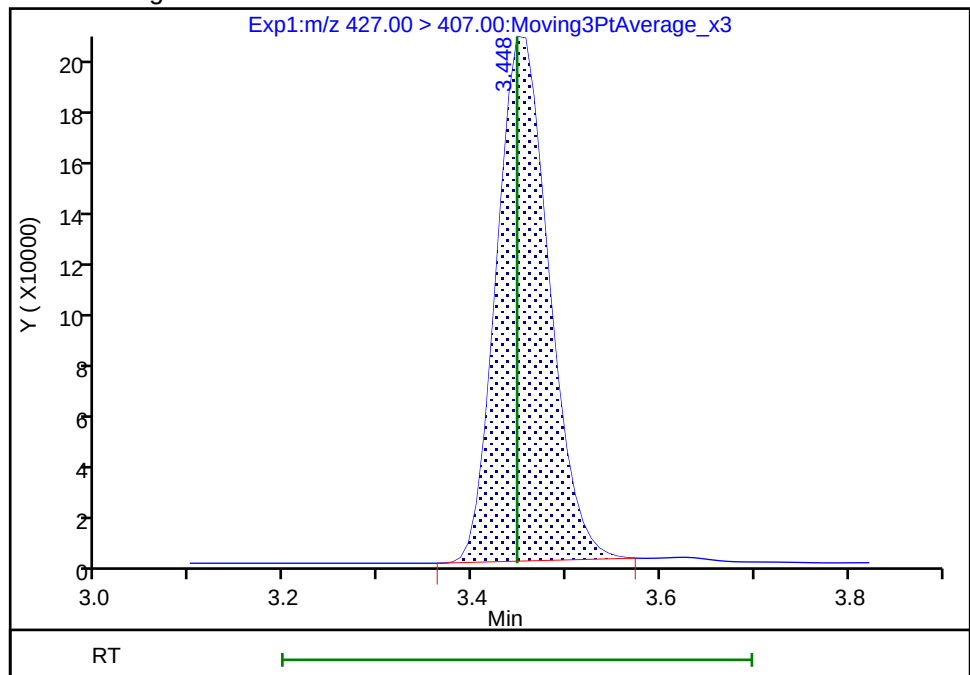
RT: 3.45
Area: 816842
Amount: 2.464435
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 802918
Amount: 2.448076
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 08:13:25
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1069 of 1695

08/18/2022

Eurofins Burlington

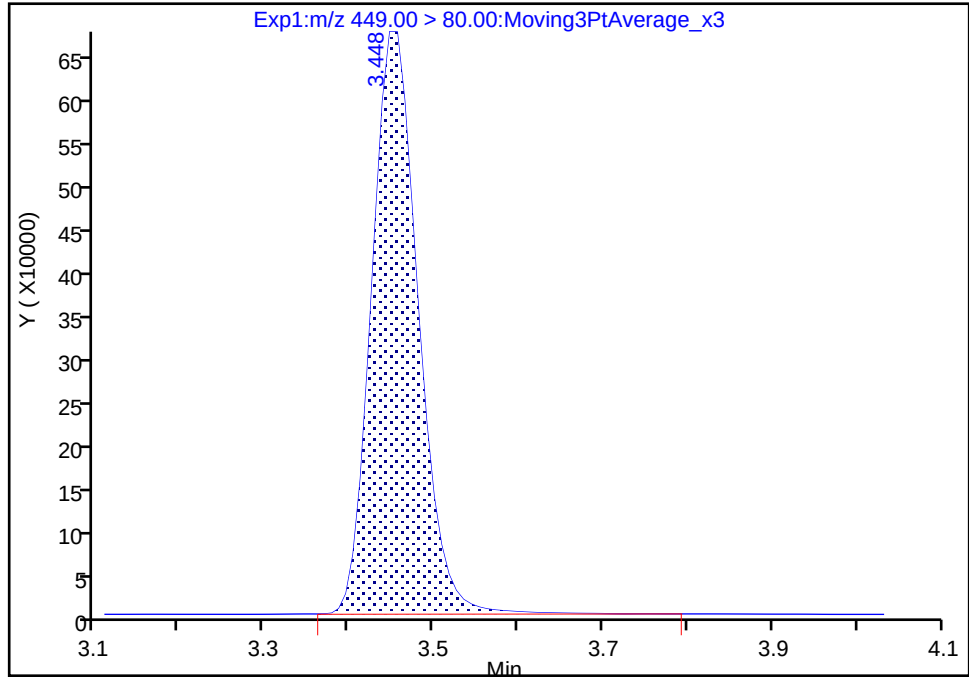
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B14.d
Injection Date: 11-Aug-2022 20:17:36 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

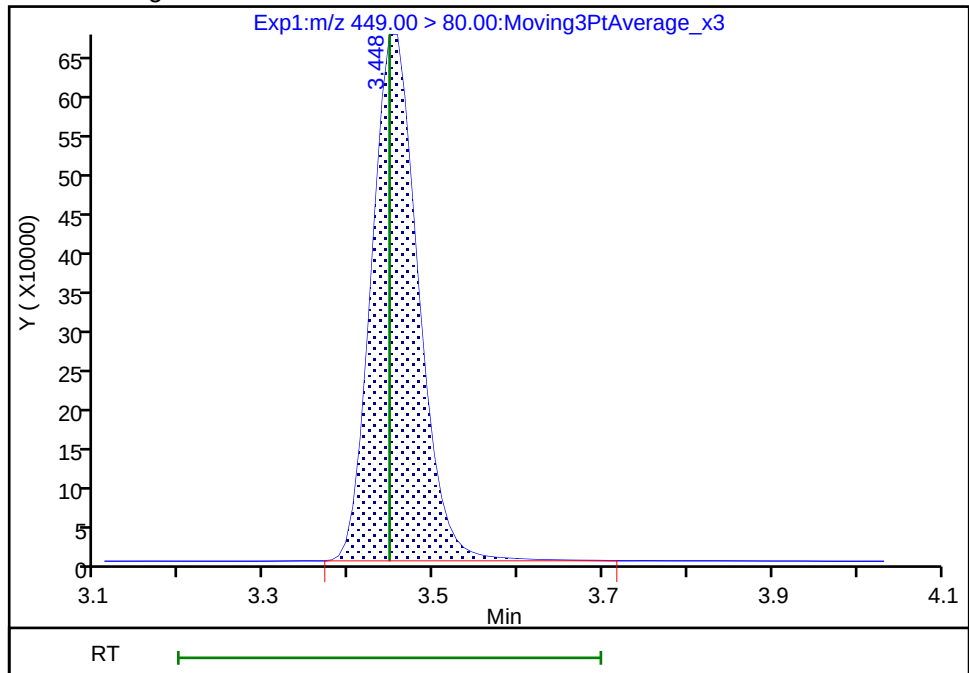
RT: 3.45
Area: 2563446
Amount: 2.222274
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 2557567
Amount: 2.217178
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 09:34:22
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B14.d

Injection Date: 11-Aug-2022 20:17:36

Instrument ID: LC812

Lims ID: CCV L5

Client ID:

Operator ID: lc812tech

ALS Bottle#: 14

Worklist Smp#: 14

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

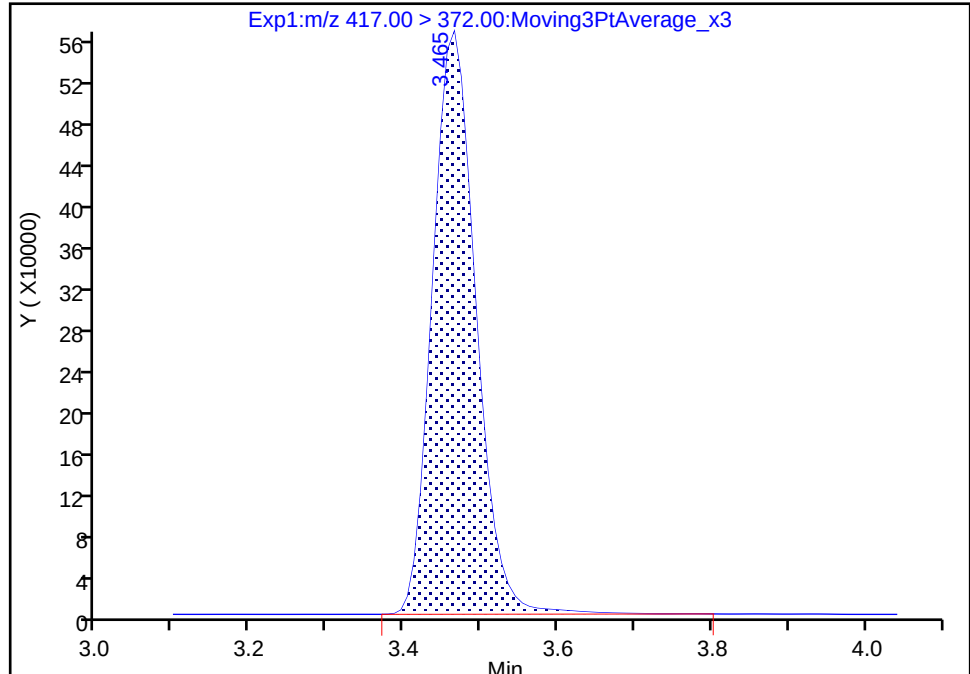
Detector: EXP1

D 14 13C4 PFOA, CAS: STL00990

Signal: 1

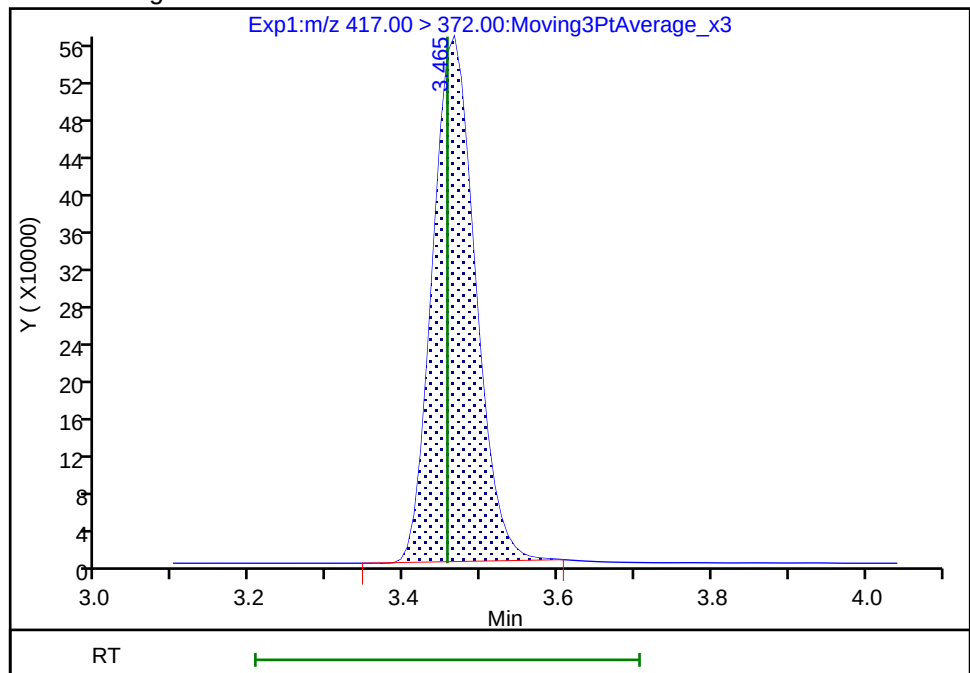
RT: 3.47
Area: 2201200
Amount: 1.219004
Amount Units: ng/ml

Processing Integration Results



RT: 3.47
Area: 2162507
Amount: 1.197576
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 08:13:41

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

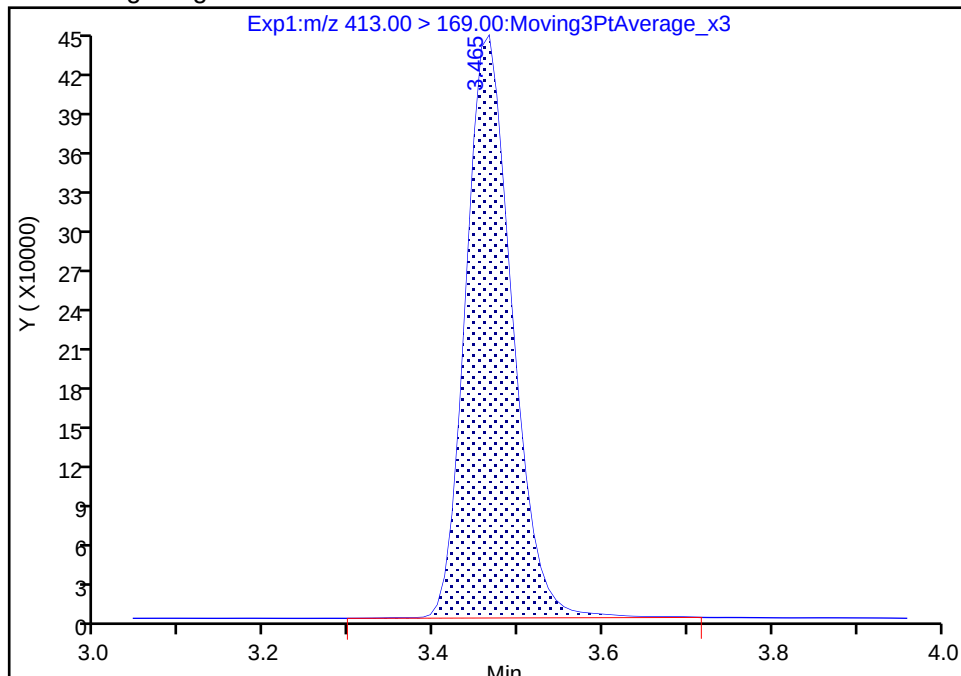
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B14.d
Injection Date: 11-Aug-2022 20:17:36 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

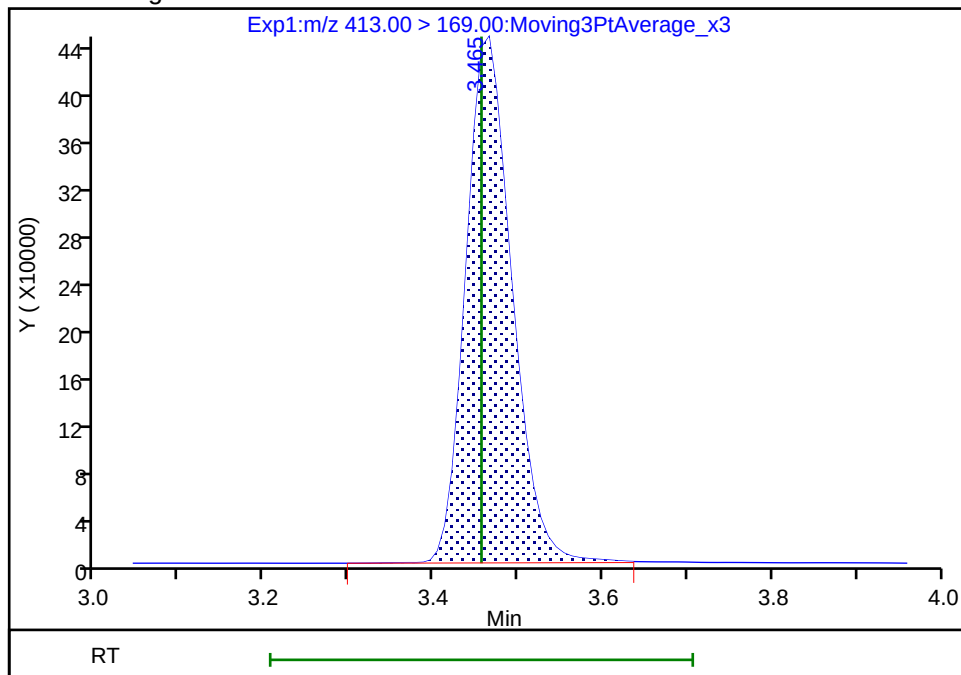
RT: 3.47
Area: 1696508
Amount: 2.372170
Amount Units: ng/ml

Processing Integration Results



RT: 3.47
Area: 1694230
Amount: 2.399262
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 09:34:43
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

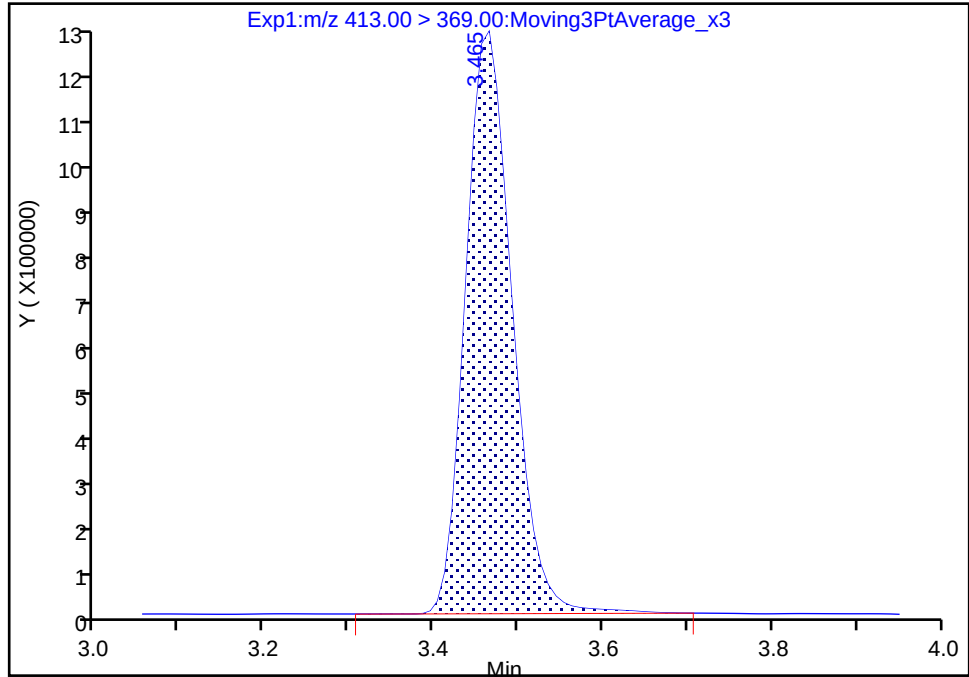
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B14.d
Injection Date: 11-Aug-2022 20:17:36 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

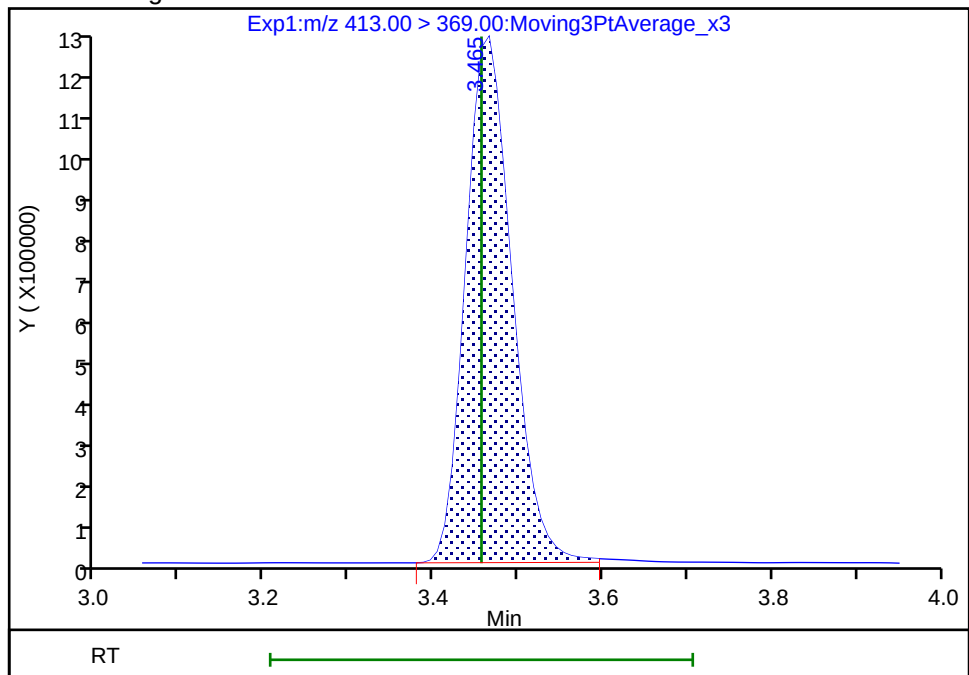
RT: 3.47
Area: 4679358
Amount: 2.372170
Amount Units: ng/ml

Processing Integration Results



RT: 3.47
Area: 4654630
Amount: 2.399262
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 09:34:45

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

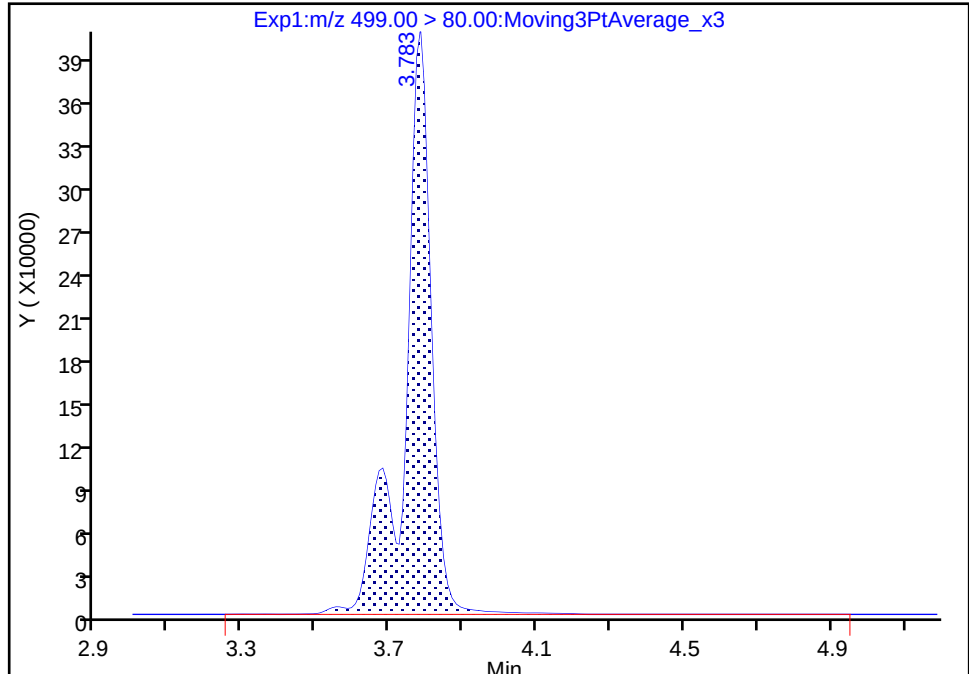
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B14.d
Injection Date: 11-Aug-2022 20:17:36 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

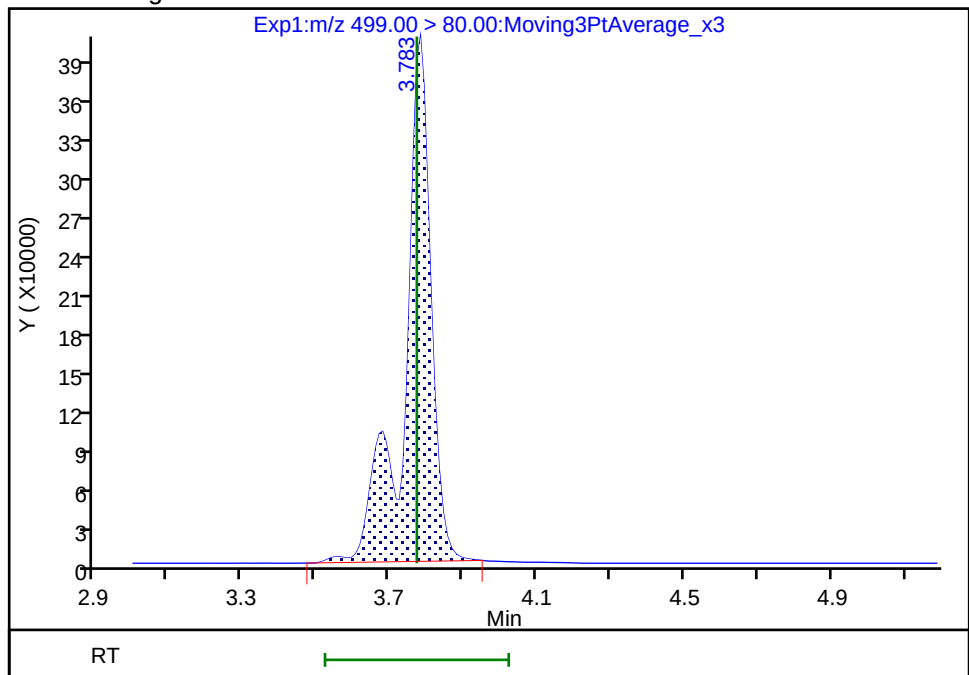
RT: 3.78
Area: 2089219
Amount: 2.231517
Amount Units: ng/ml

Processing Integration Results



RT: 3.78
Area: 2040781
Amount: 2.179351
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 08:13:54
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

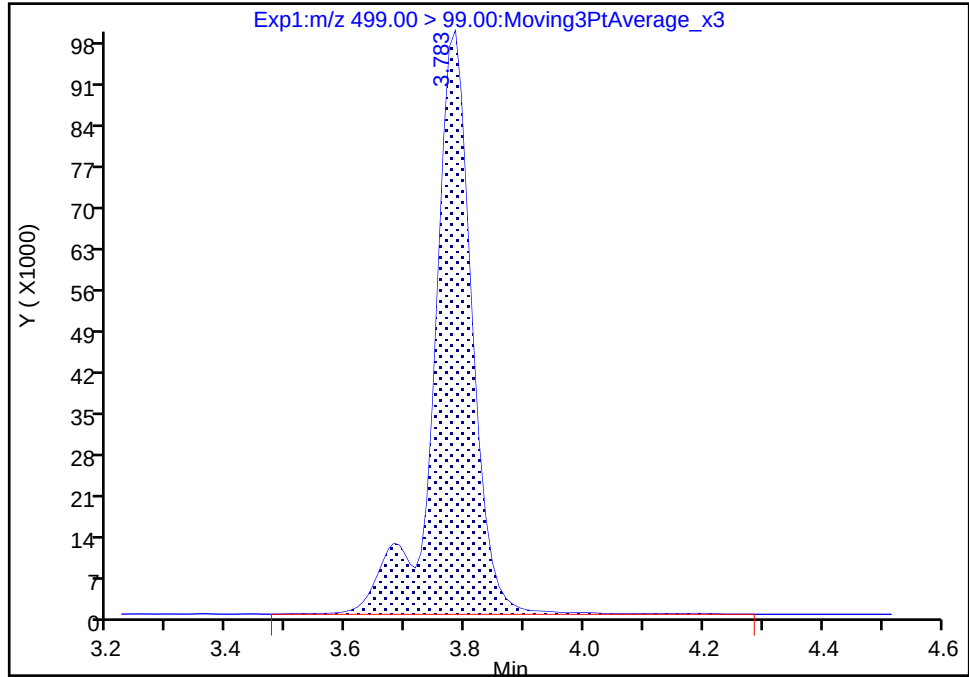
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B14.d
Injection Date: 11-Aug-2022 20:17:36 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

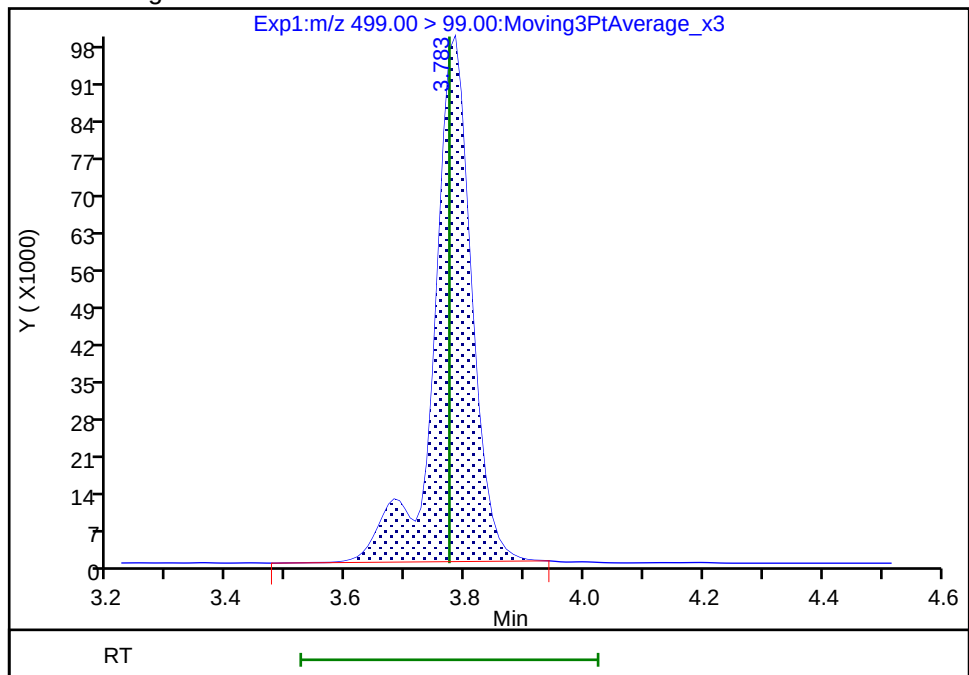
RT: 3.78
Area: 445908
Amount: 2.231517
Amount Units: ng/ml

Processing Integration Results



RT: 3.78
Area: 437179
Amount: 2.179351
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 08:14:01

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

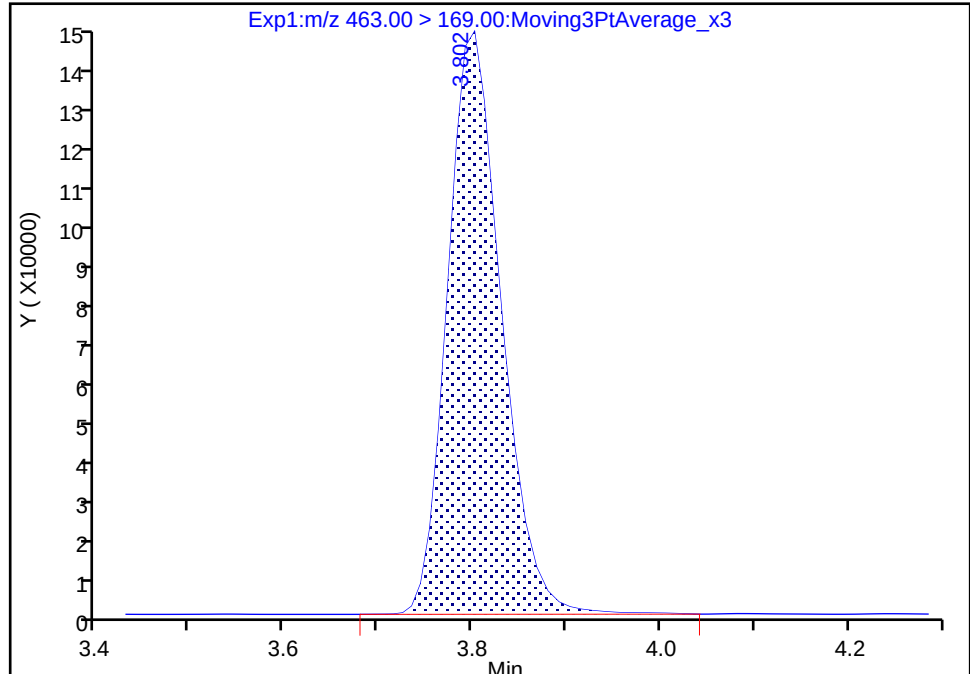
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B14.d
Injection Date: 11-Aug-2022 20:17:36 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

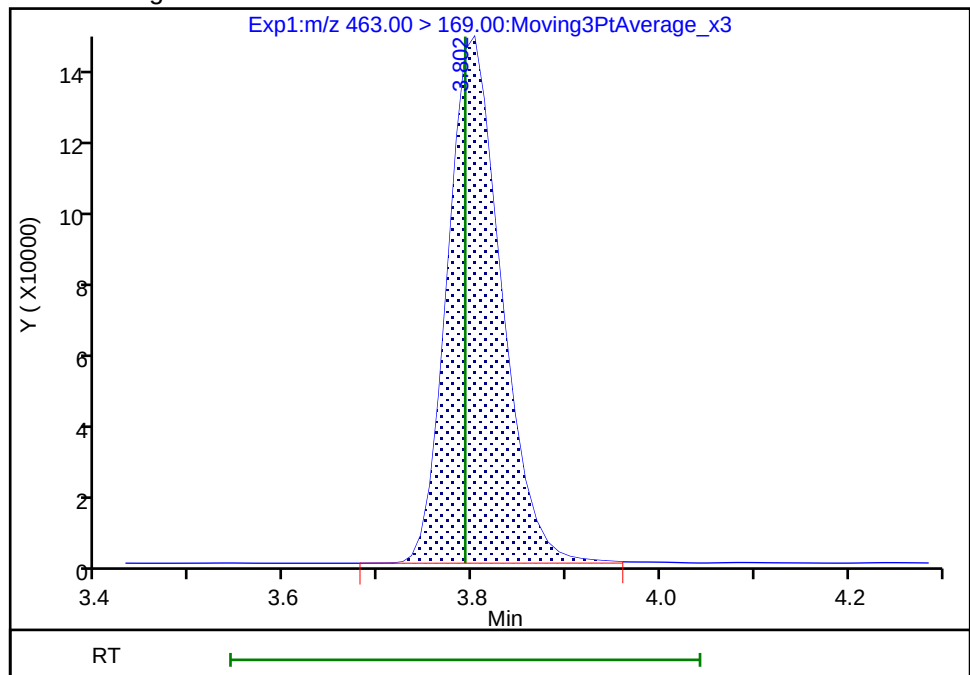
RT: 3.80
Area: 557129
Amount: 2.346516
Amount Units: ng/ml

Processing Integration Results



RT: 3.80
Area: 556174
Amount: 2.346516
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 09:35:10
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

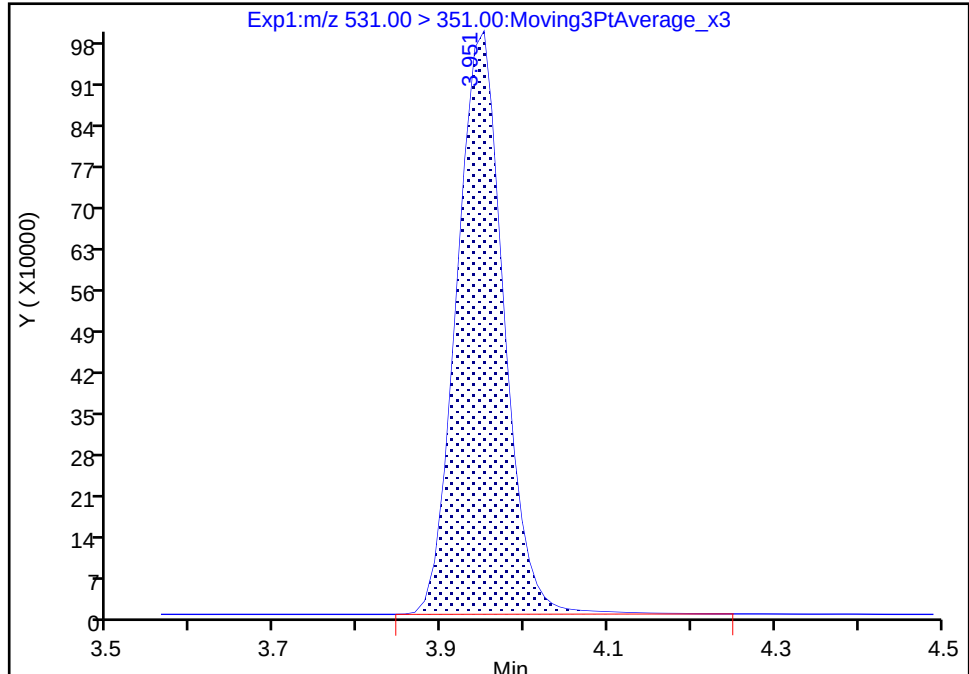
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B14.d
Injection Date: 11-Aug-2022 20:17:36 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

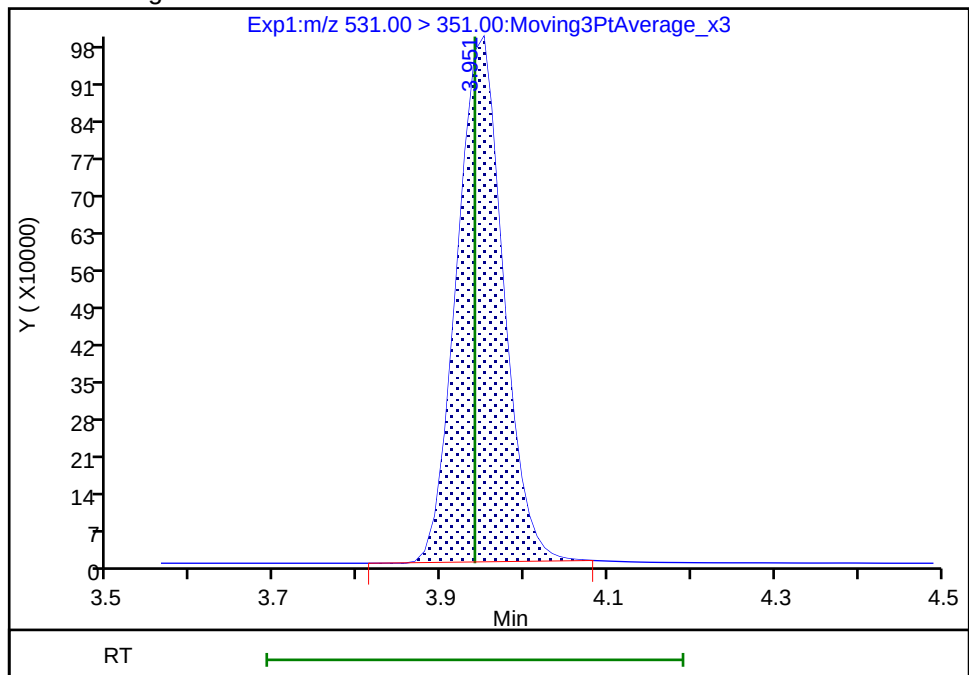
RT: 3.95
Area: 3877913
Amount: 2.352235
Amount Units: ng/ml

Processing Integration Results



RT: 3.95
Area: 3824901
Amount: 2.320080
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 08:14:12
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1077 of 1695

08/18/2022

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B14.d

Injection Date: 11-Aug-2022 20:17:36

Instrument ID: LC812

Lims ID: CCV L5

Client ID:

Operator ID: lc812tech

ALS Bottle#: 14

Worklist Smp#: 14

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

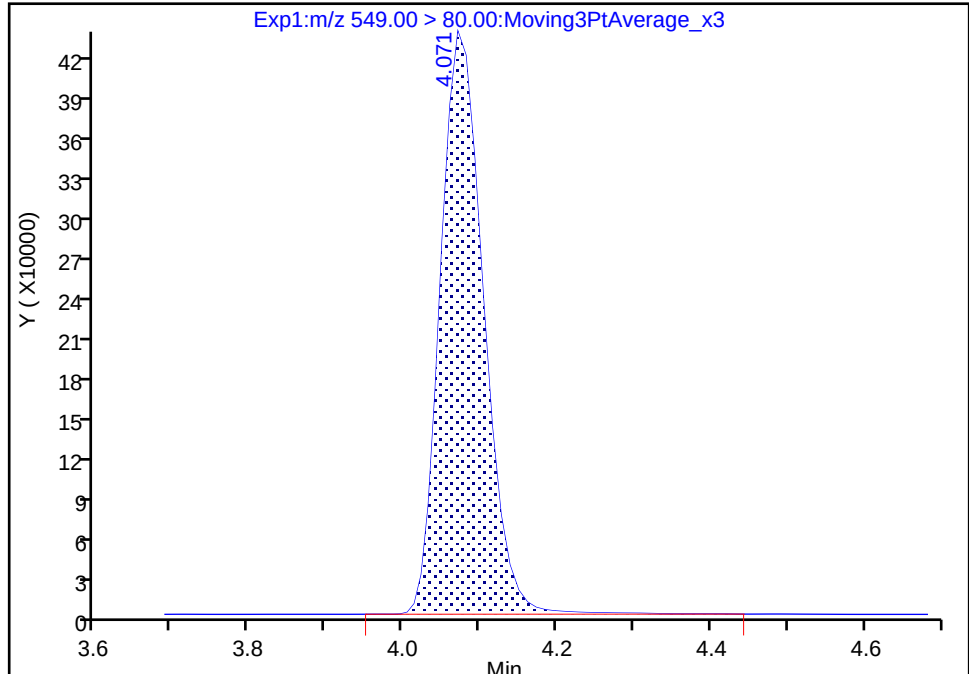
Detector: EXP1

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 1

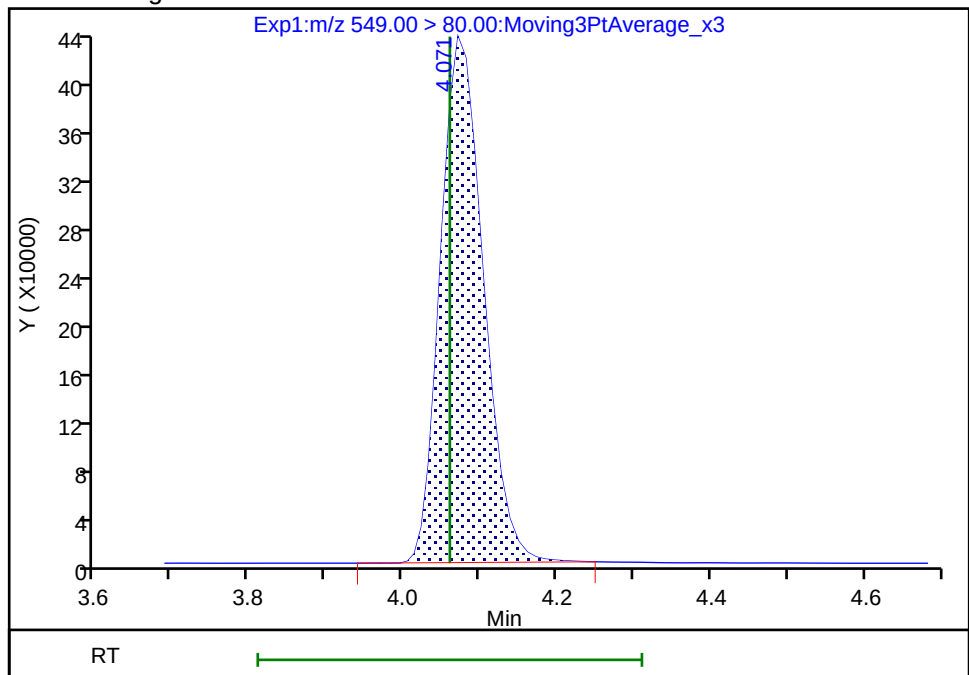
RT: 4.07
Area: 1695196
Amount: 2.319895
Amount Units: ng/ml

Processing Integration Results



RT: 4.07
Area: 1681251
Amount: 2.300811
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 08:14:17

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

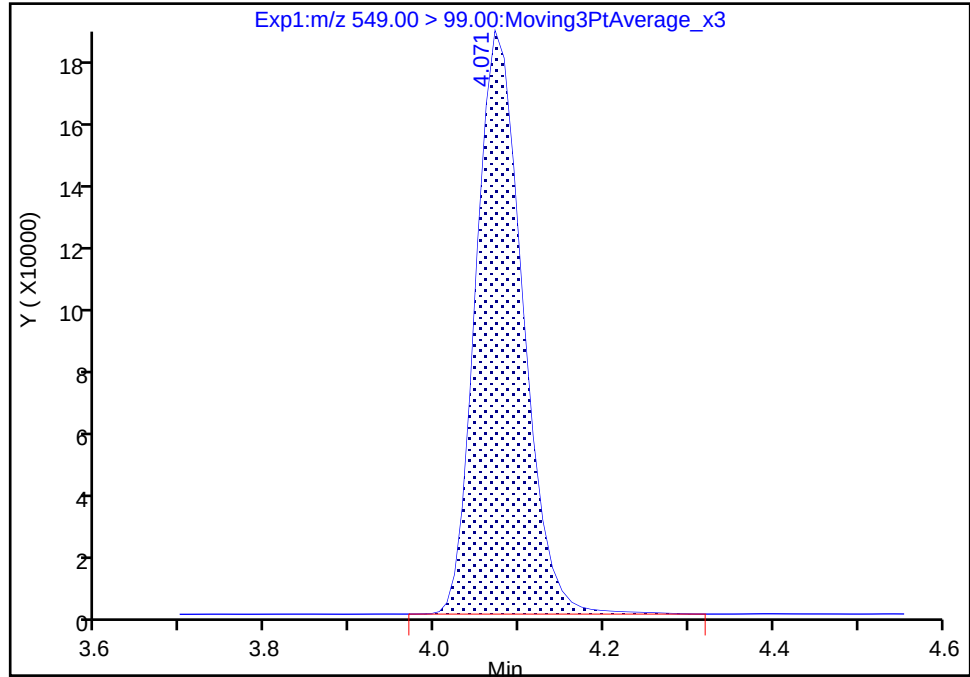
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B14.d
Injection Date: 11-Aug-2022 20:17:36 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 2

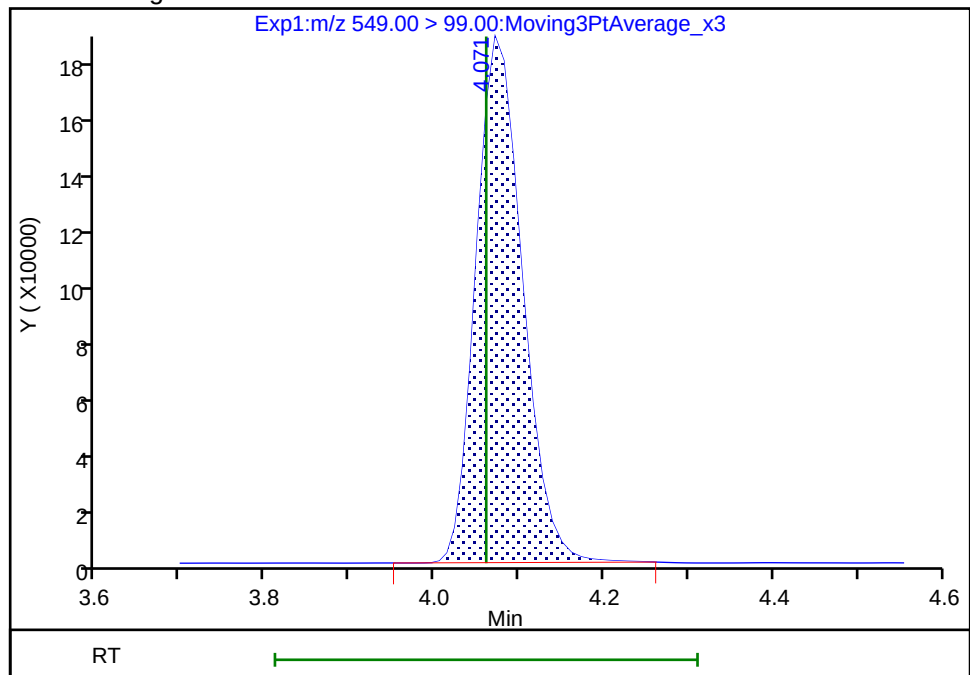
RT: 4.07
Area: 704089
Amount: 2.319895
Amount Units: ng/ml

Processing Integration Results



RT: 4.07
Area: 700615
Amount: 2.300811
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 08:14:20

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B14.d

Injection Date: 11-Aug-2022 20:17:36

Instrument ID: LC812

Lims ID: CCV L5

Client ID:

Operator ID: lc812tech

ALS Bottle#: 14

Worklist Smp#: 14

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

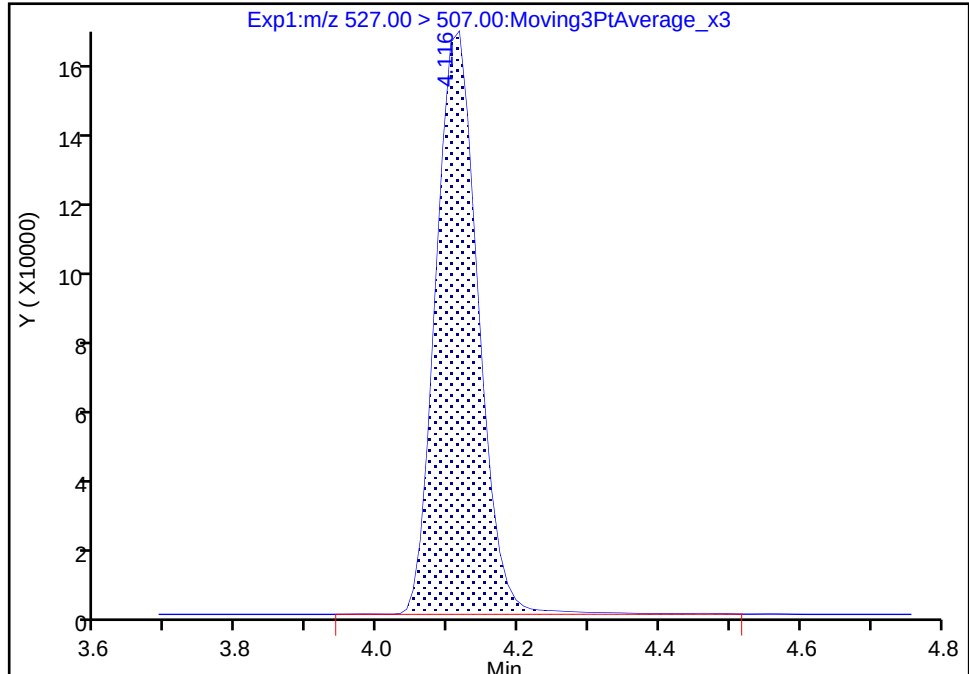
Detector: EXP1

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

Signal: 1

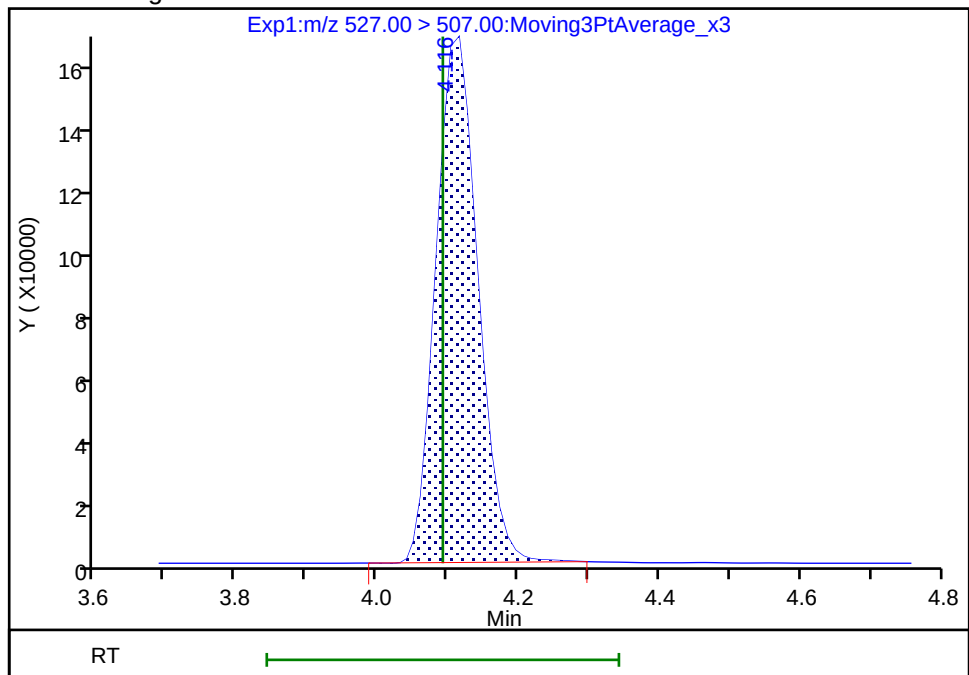
RT: 4.12
Area: 694555
Amount: 2.331258
Amount Units: ng/ml

Processing Integration Results



RT: 4.12
Area: 687248
Amount: 2.324069
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 08:14:26

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

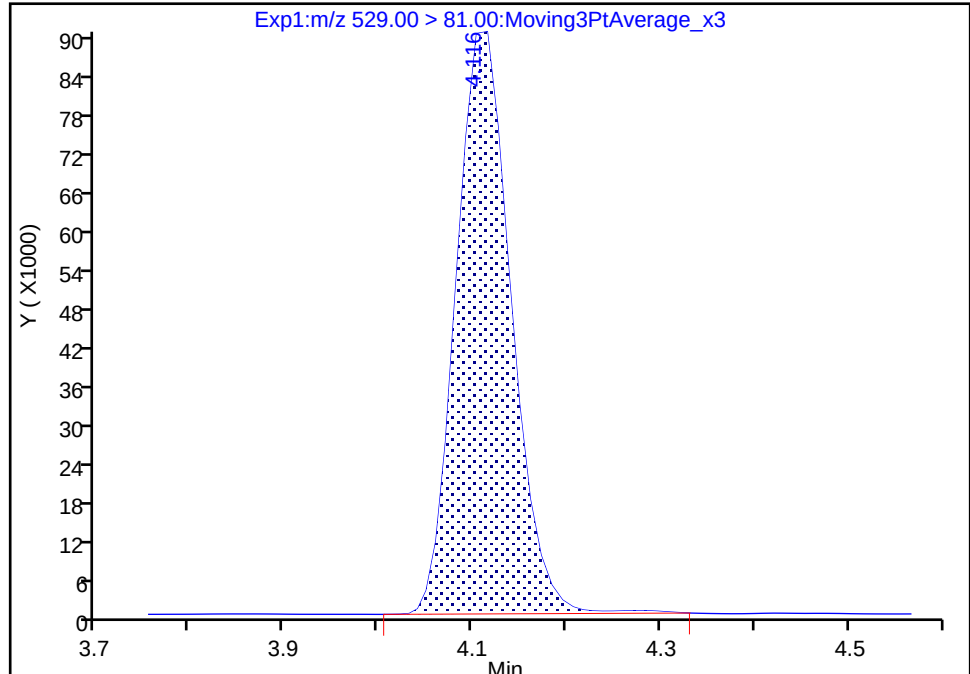
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B14.d
Injection Date: 11-Aug-2022 20:17:36 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

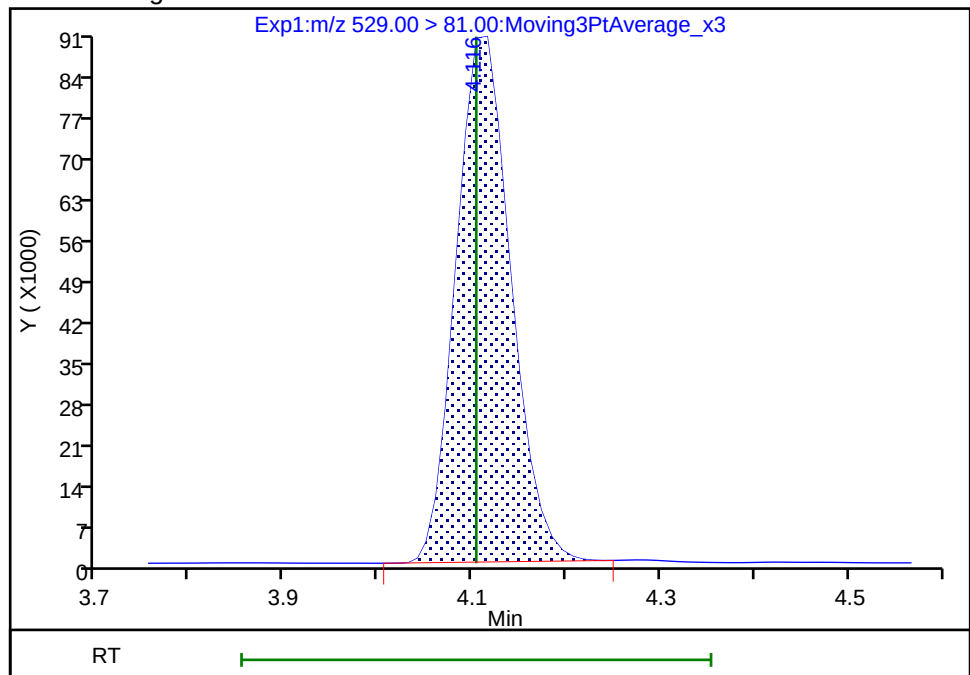
RT: 4.12
Area: 370431
Amount: 1.328265
Amount Units: ng/ml

Processing Integration Results



RT: 4.12
Area: 366703
Amount: 1.314897
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 08:14:33
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1081 of 1695

08/18/2022

Eurofins Burlington

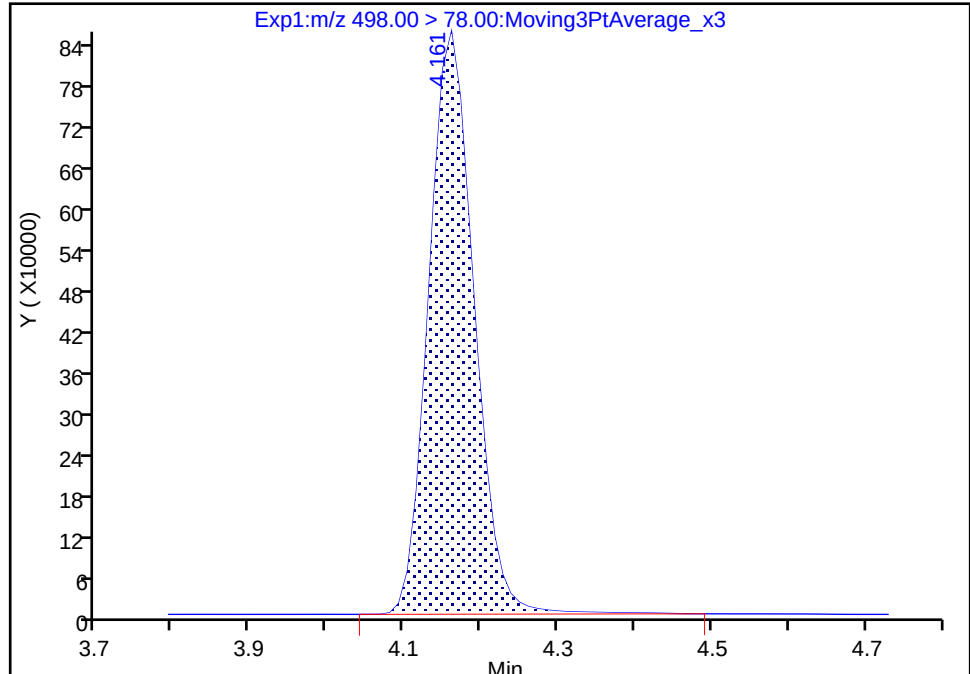
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B14.d
Injection Date: 11-Aug-2022 20:17:36 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

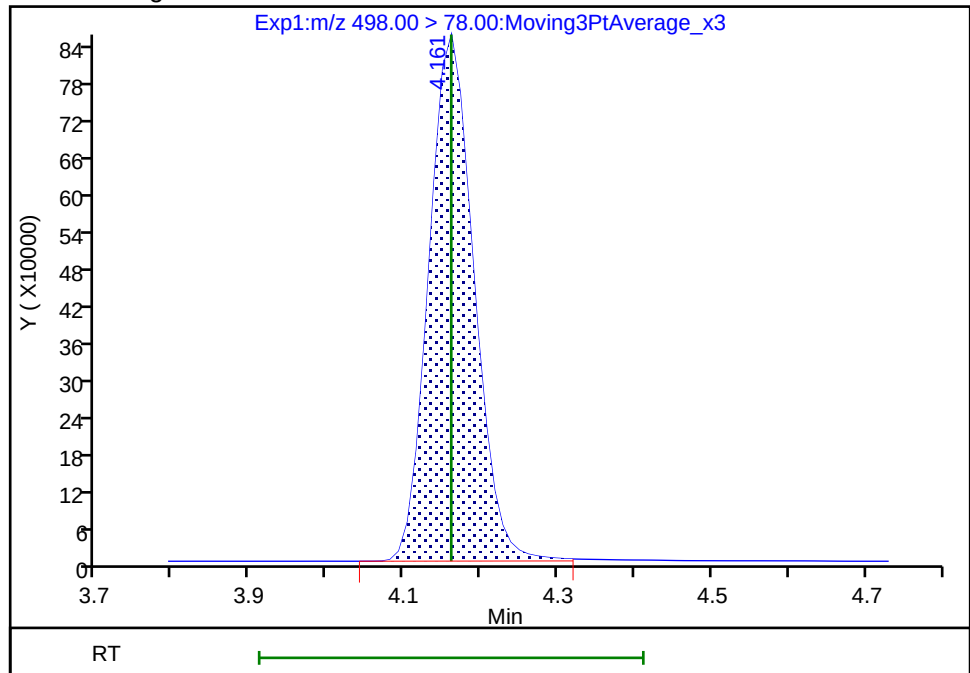
RT: 4.16
Area: 3495777
Amount: 2.434119
Amount Units: ng/ml

Processing Integration Results



RT: 4.16
Area: 3482289
Amount: 2.424727
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 09:35:37

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

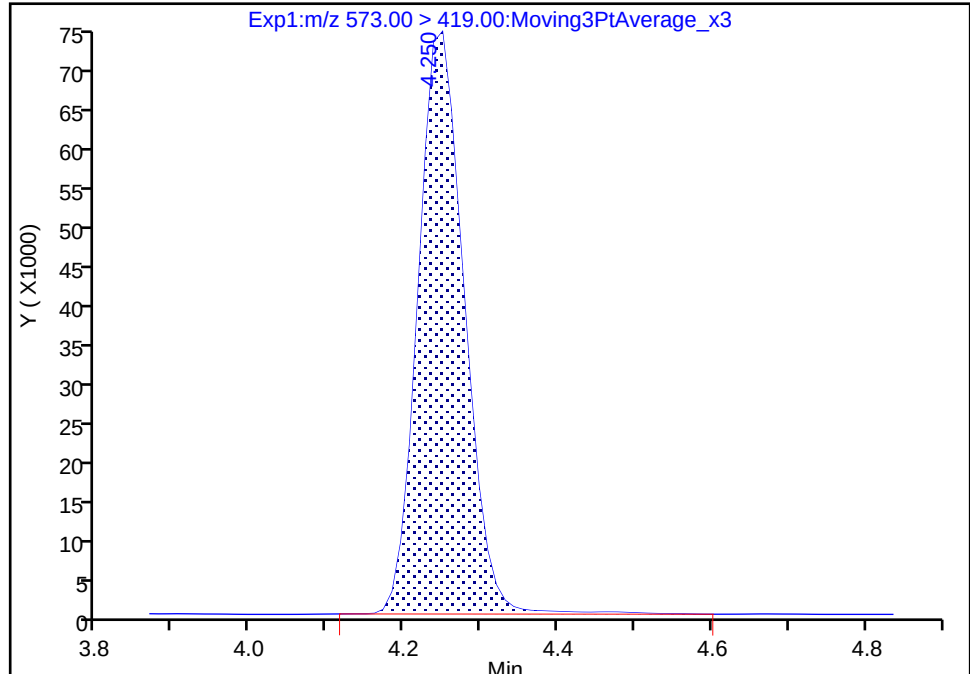
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B14.d
Injection Date: 11-Aug-2022 20:17:36 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

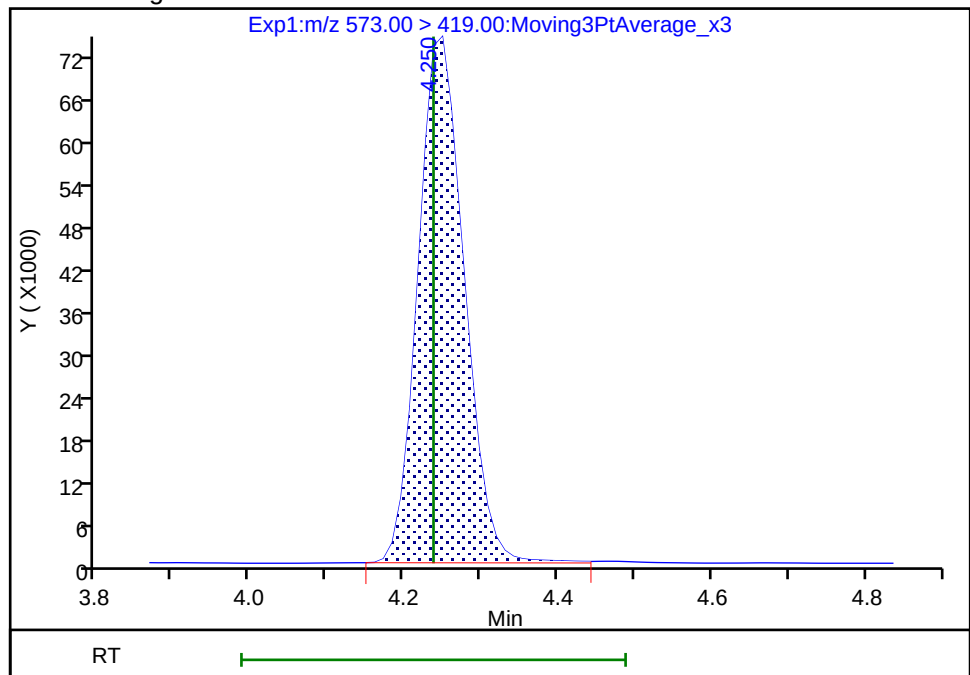
RT: 4.25
Area: 309693
Amount: 1.266428
Amount Units: ng/ml

Processing Integration Results



RT: 4.25
Area: 308312
Amount: 1.260781
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 09:32:26
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

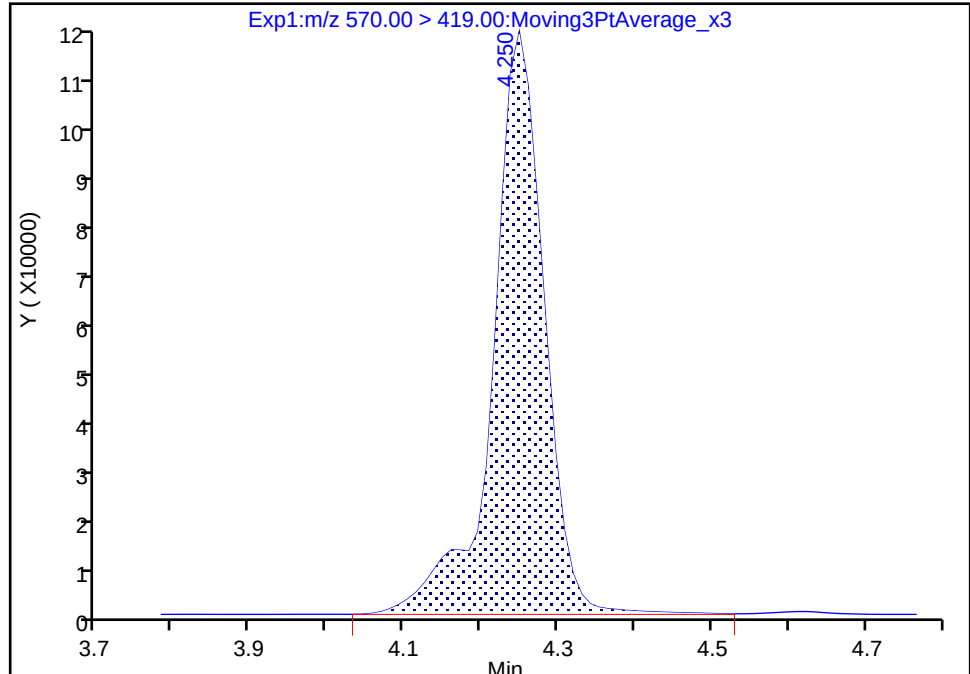
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B14.d
Injection Date: 11-Aug-2022 20:17:36 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

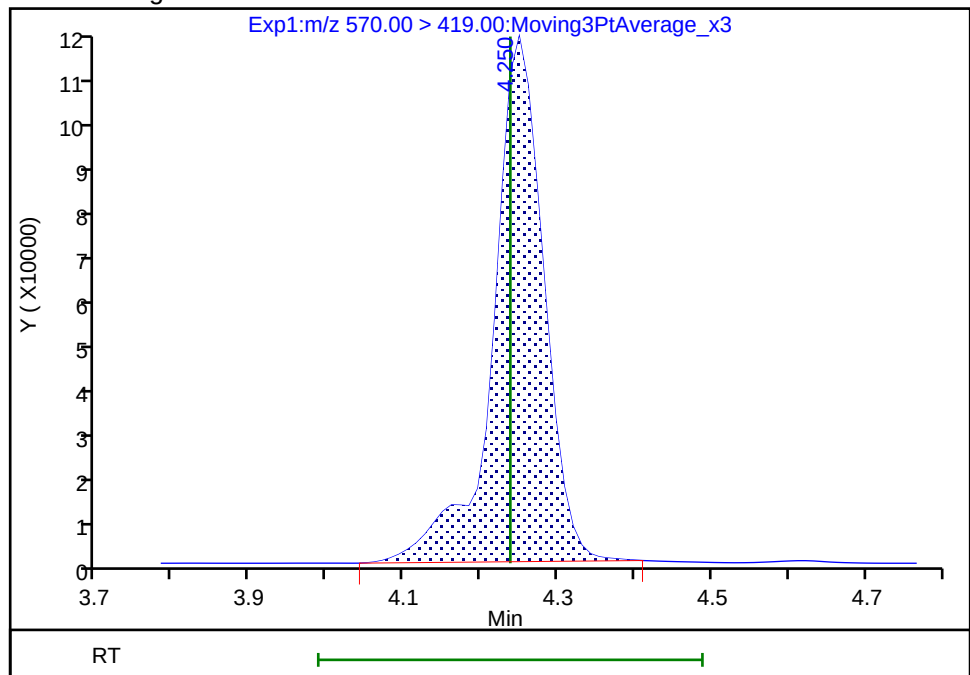
RT: 4.25
Area: 521215
Amount: 2.379409
Amount Units: ng/ml

Processing Integration Results



RT: 4.25
Area: 512454
Amount: 2.339414
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 08:14:41
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

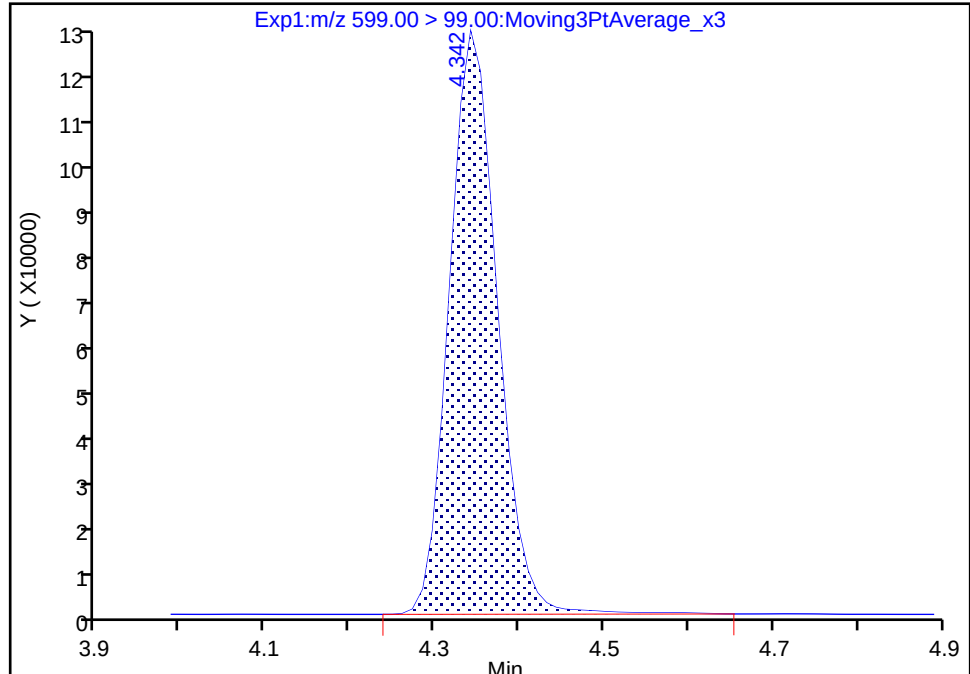
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B14.d
Injection Date: 11-Aug-2022 20:17:36 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

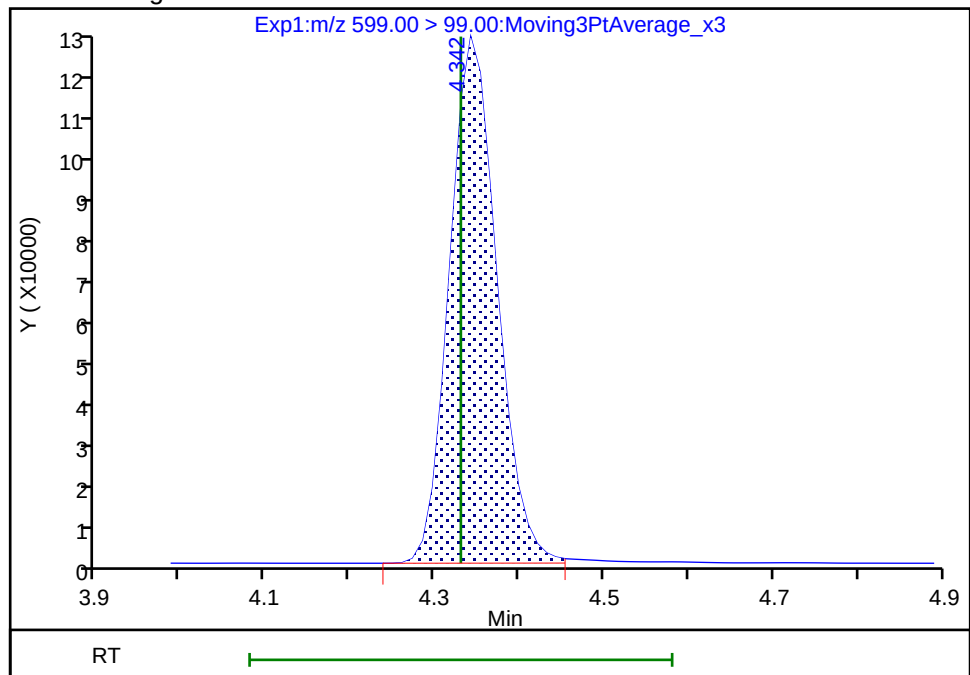
RT: 4.34
Area: 484597
Amount: 2.330950
Amount Units: ng/ml

Processing Integration Results



RT: 4.34
Area: 480388
Amount: 2.318745
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 09:36:05
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B14.d

Injection Date: 11-Aug-2022 20:17:36

Instrument ID: LC812

Lims ID: CCV L5

Client ID:

Operator ID: lc812tech

ALS Bottle#: 14

Worklist Smp#: 14

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

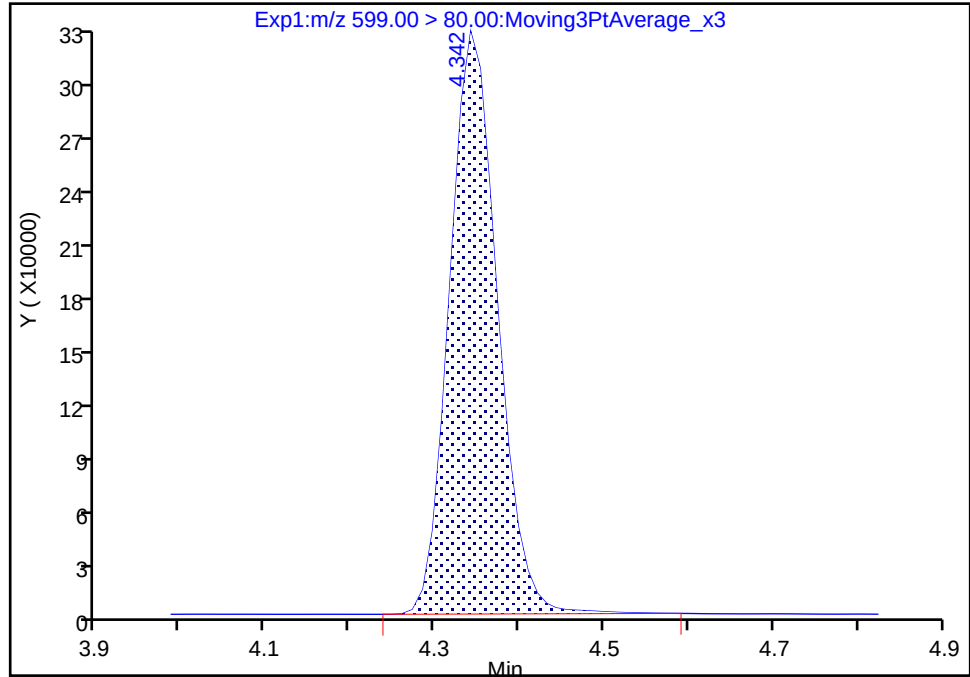
Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

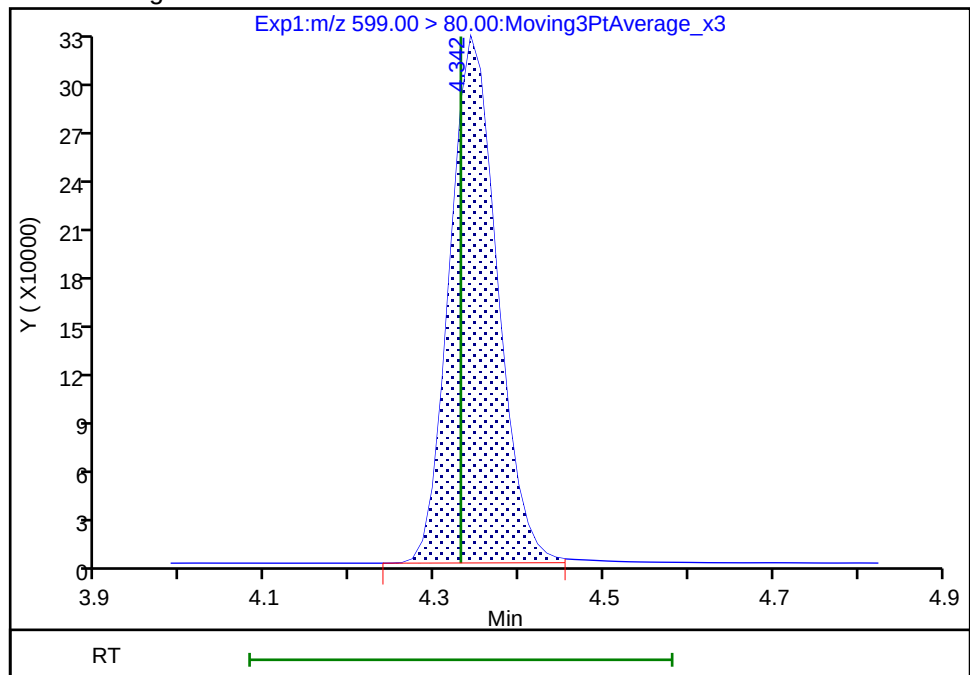
RT: 4.34
Area: 1267501
Amount: 2.330950
Amount Units: ng/ml

Processing Integration Results



RT: 4.34
Area: 1260864
Amount: 2.318745
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 09:36:09

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

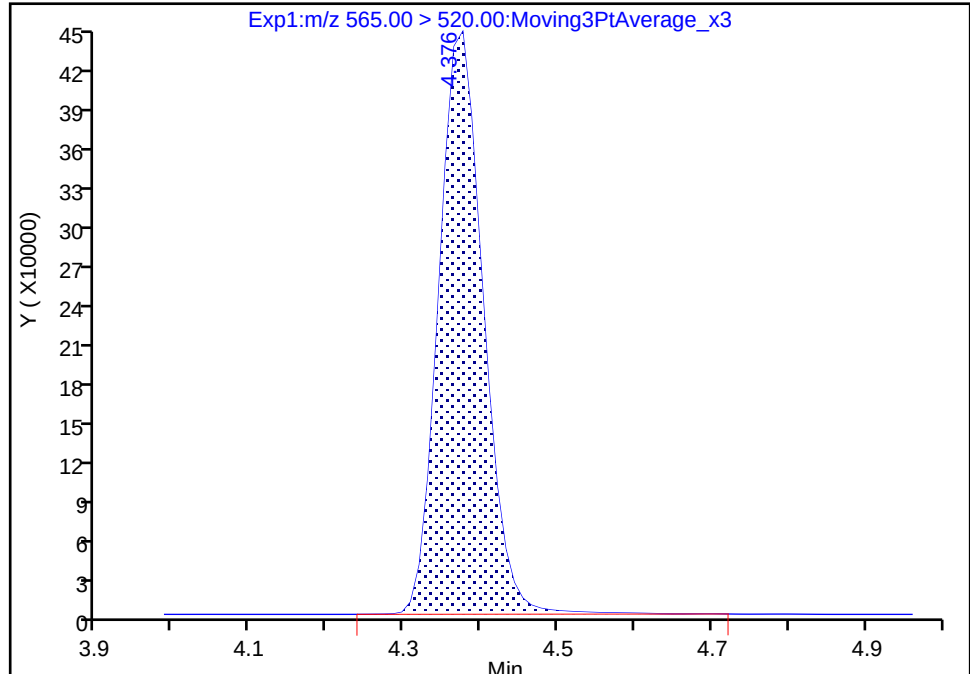
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B14.d
Injection Date: 11-Aug-2022 20:17:36 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

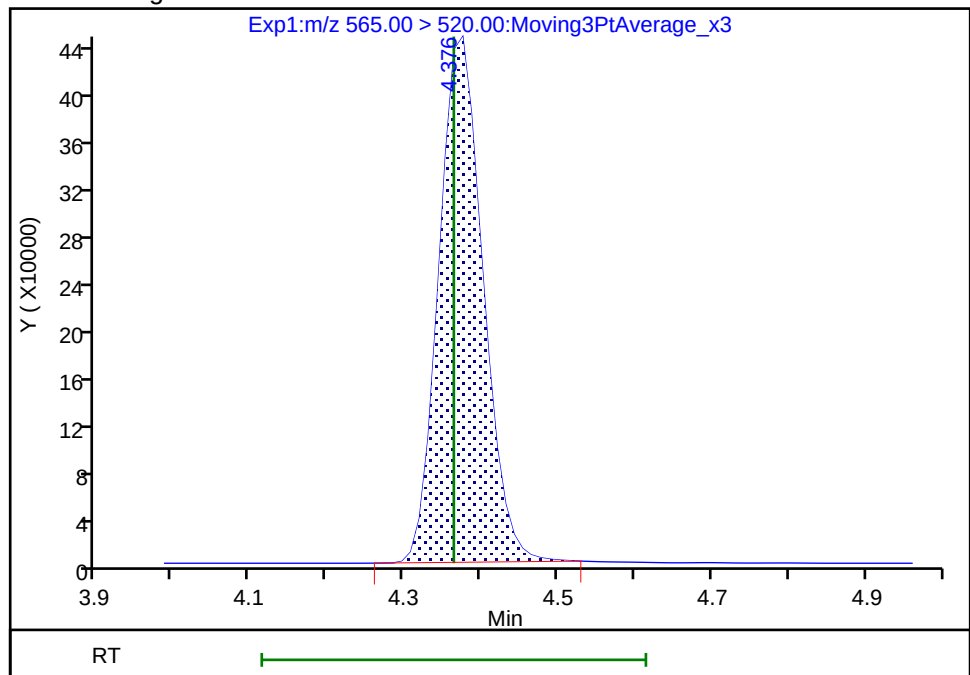
RT: 4.38
Area: 1770256
Amount: 1.280584
Amount Units: ng/ml

Processing Integration Results



RT: 4.38
Area: 1750944
Amount: 1.266614
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 08:14:48
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

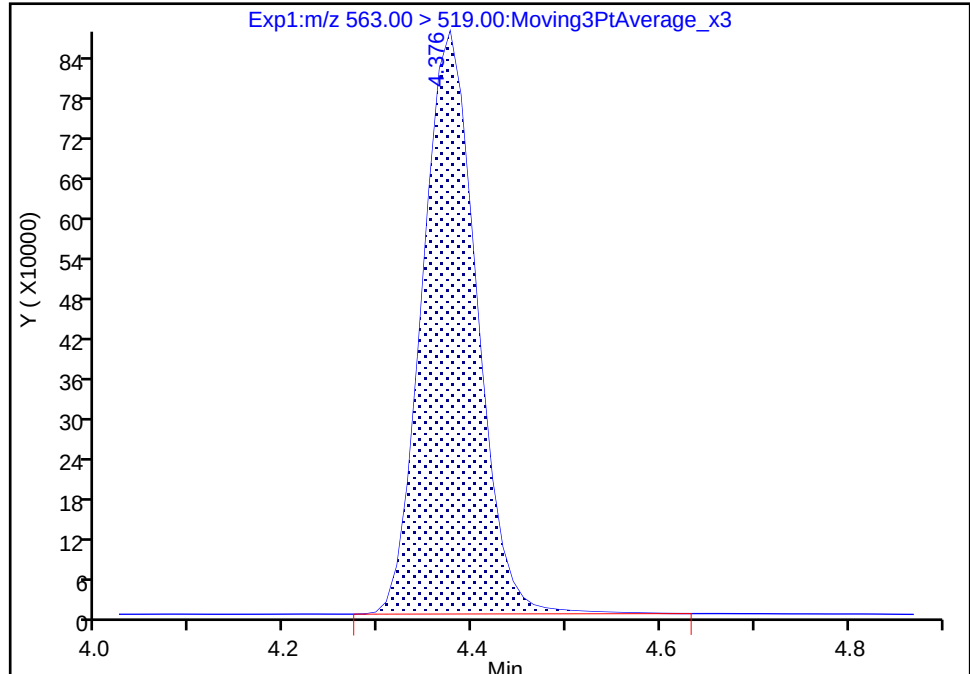
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B14.d
Injection Date: 11-Aug-2022 20:17:36 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

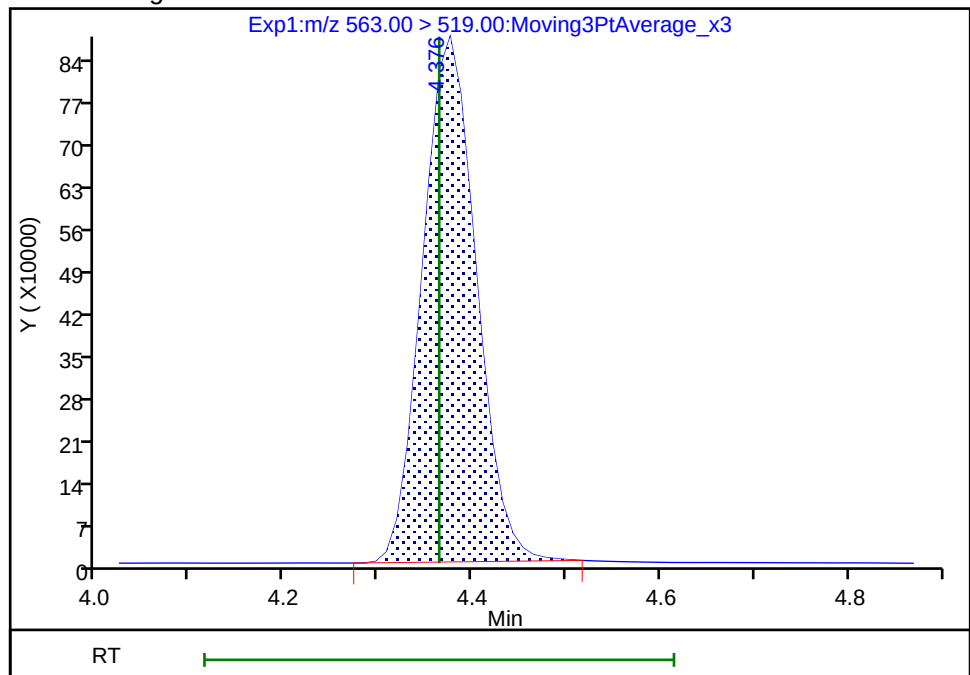
RT: 4.38
Area: 3506353
Amount: 2.362750
Amount Units: ng/ml

Processing Integration Results



RT: 4.38
Area: 3469193
Amount: 2.337710
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 08:14:52
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

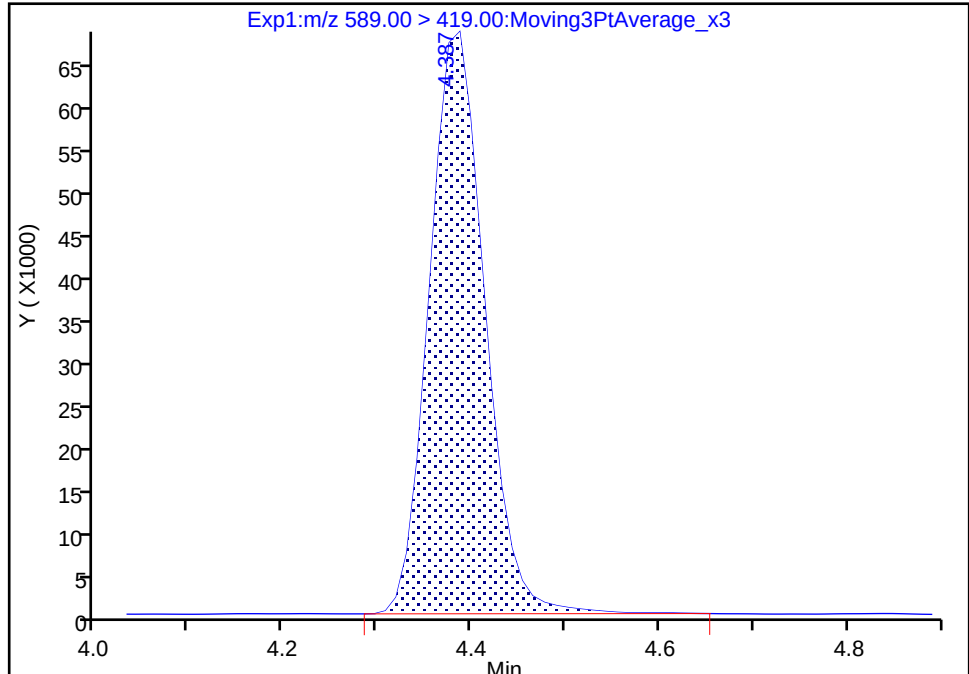
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B14.d
Injection Date: 11-Aug-2022 20:17:36 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 32 d5-NEtFOSAA, CAS: STL02117

Signal: 1

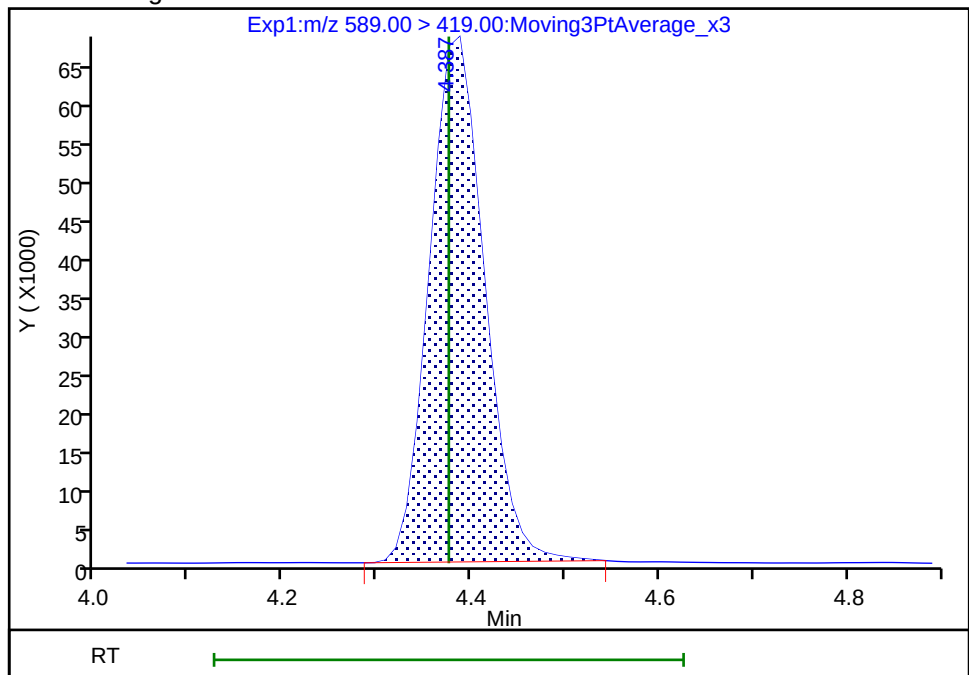
RT: 4.39
Area: 281810
Amount: 1.217508
Amount Units: ng/ml

Processing Integration Results



RT: 4.39
Area: 279243
Amount: 1.206418
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 08:14:58
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1089 of 1695

08/18/2022

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B14.d

Injection Date: 11-Aug-2022 20:17:36

Instrument ID: LC812

Lims ID: CCV L5

Client ID:

Operator ID: lc812tech

ALS Bottle#: 14

Worklist Smp#: 14

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

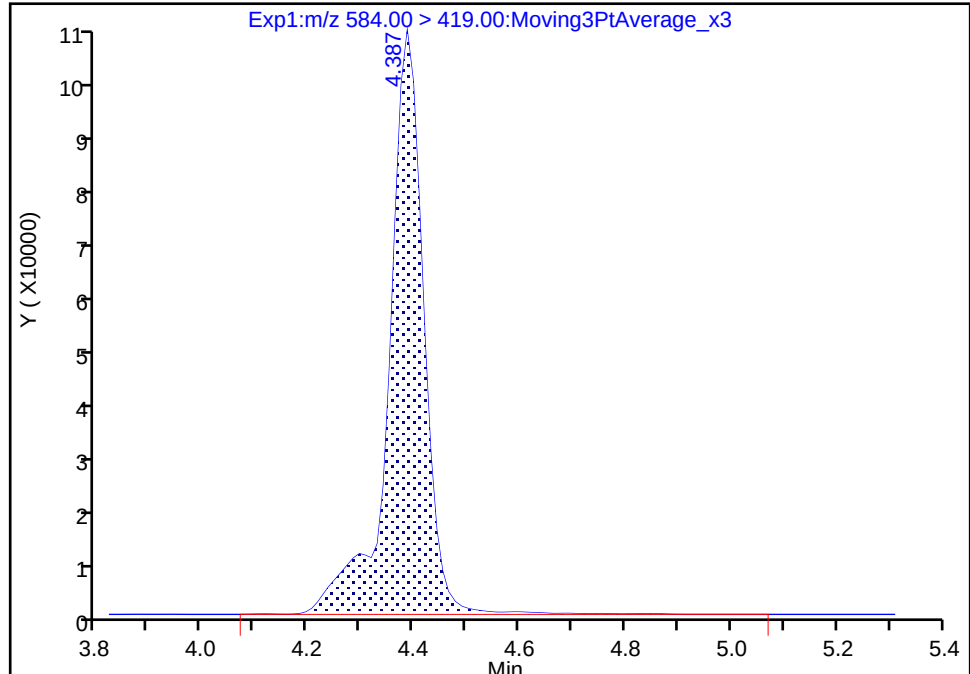
Detector: EXP1

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

Signal: 1

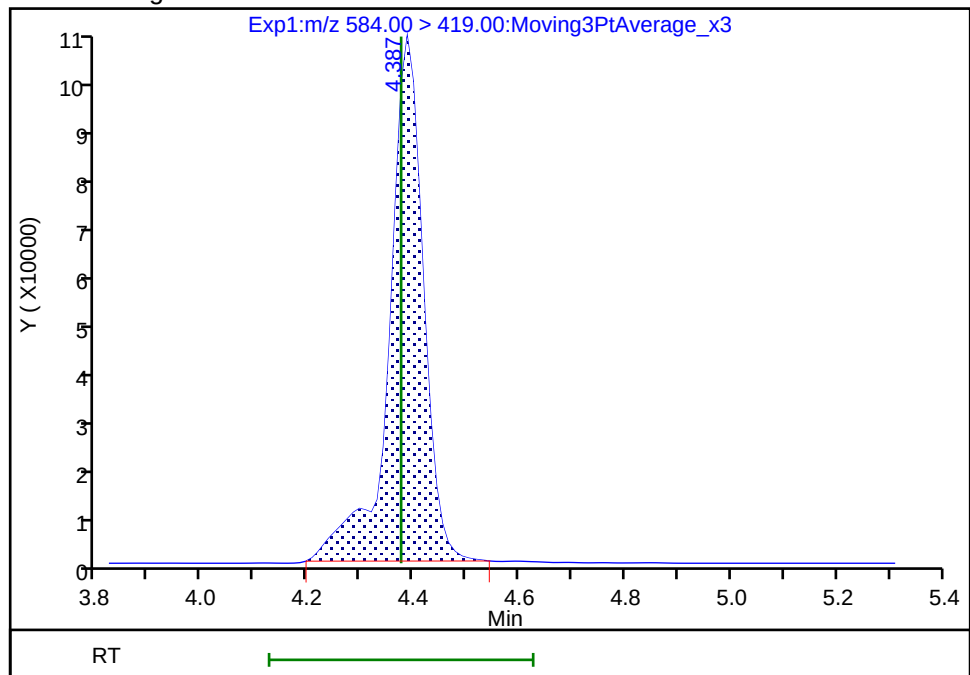
RT: 4.39
Area: 469813
Amount: 2.304572
Amount Units: ng/ml

Processing Integration Results



RT: 4.39
Area: 457059
Amount: 2.253483
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 08:15:07

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

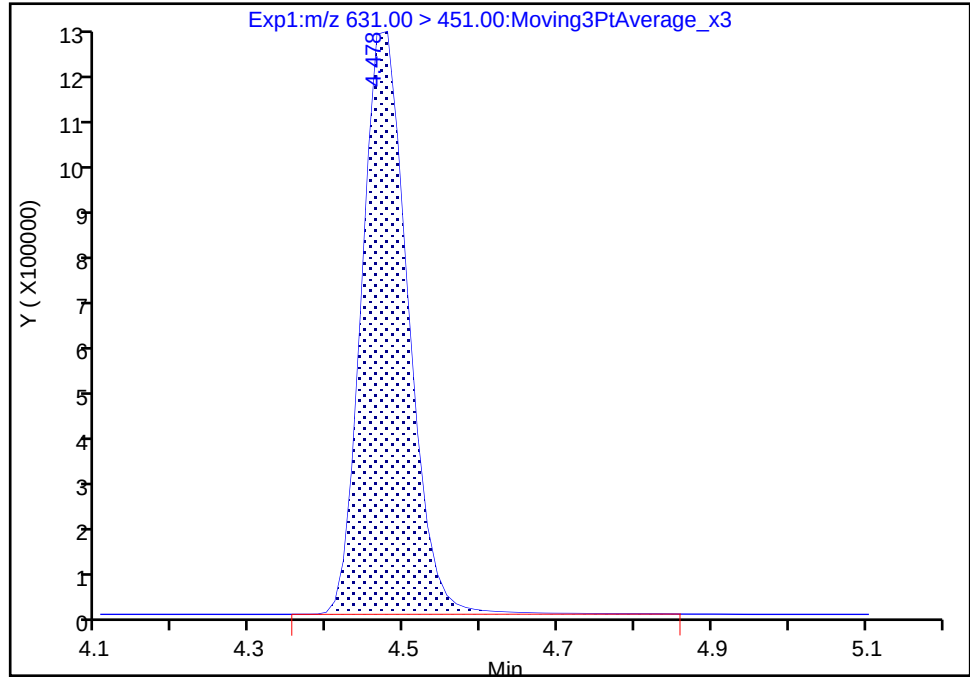
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B14.d
Injection Date: 11-Aug-2022 20:17:36 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

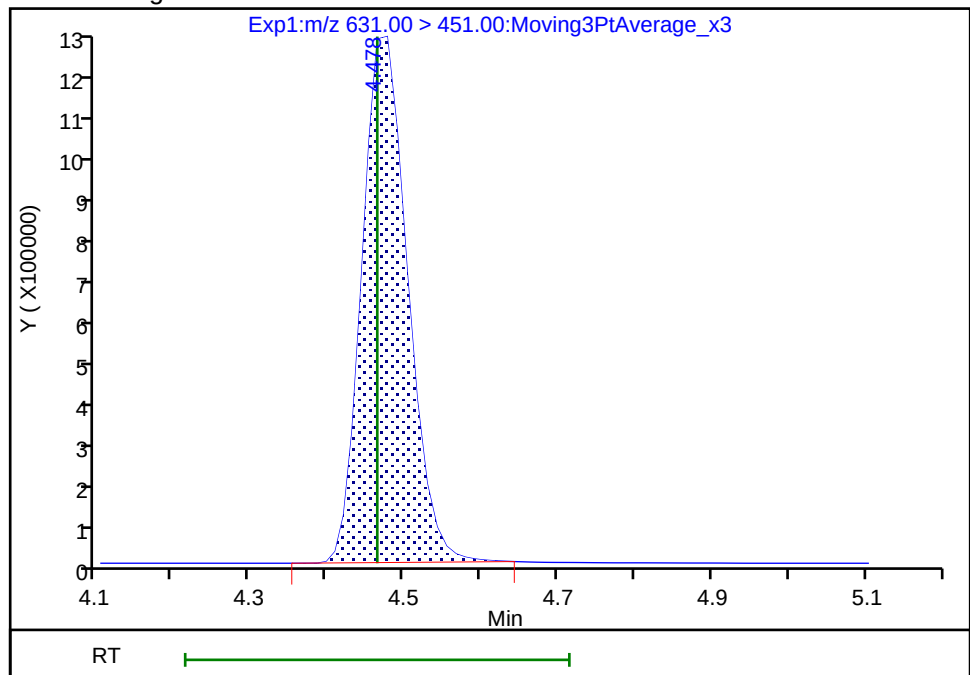
RT: 4.48
Area: 4994736
Amount: 2.327739
Amount Units: ng/ml

Processing Integration Results



RT: 4.48
Area: 4950772
Amount: 2.307250
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 08:15:12
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

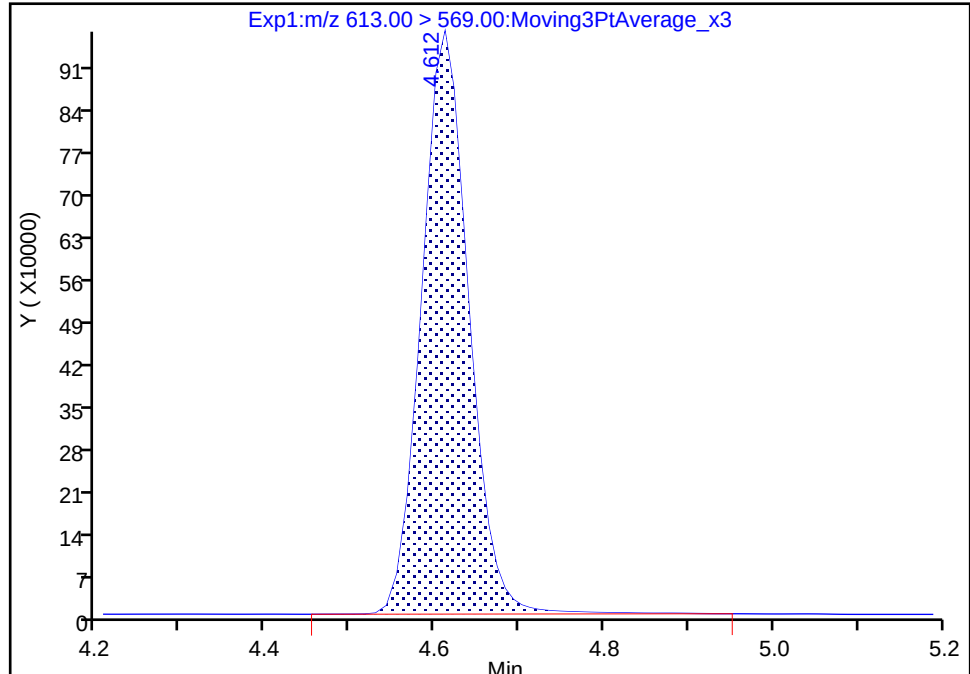
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B14.d
Injection Date: 11-Aug-2022 20:17:36 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

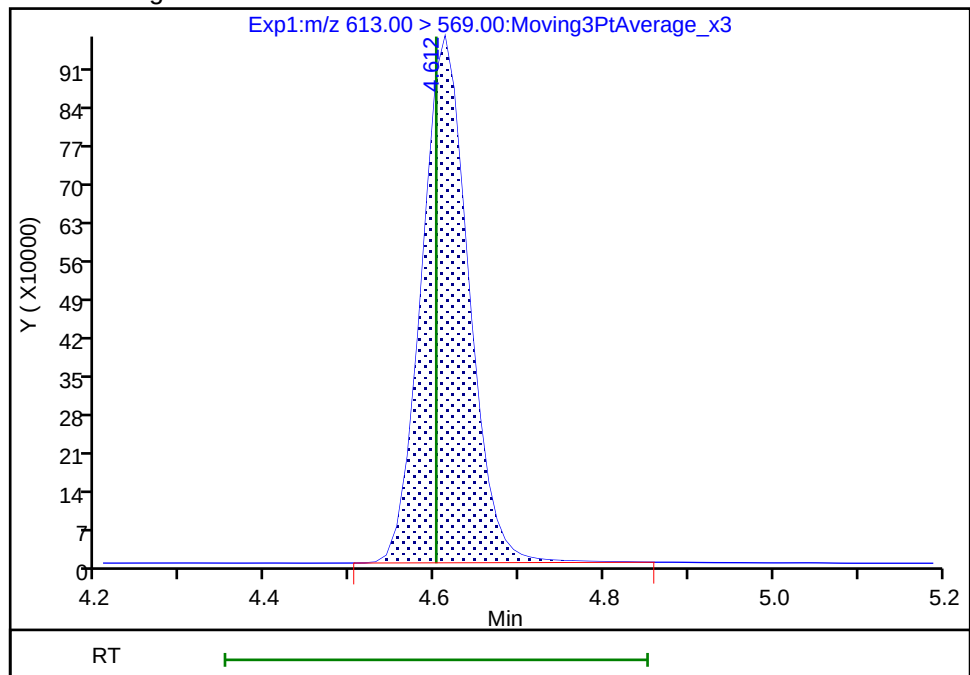
RT: 4.61
Area: 3716479
Amount: 2.426739
Amount Units: ng/ml

Processing Integration Results



RT: 4.61
Area: 3702556
Amount: 2.417648
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 09:36:53

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B14.d

Injection Date: 11-Aug-2022 20:17:36

Instrument ID: LC812

Lims ID: CCV L5

Client ID:

Operator ID: lc812tech

ALS Bottle#: 14

Worklist Smp#: 14

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

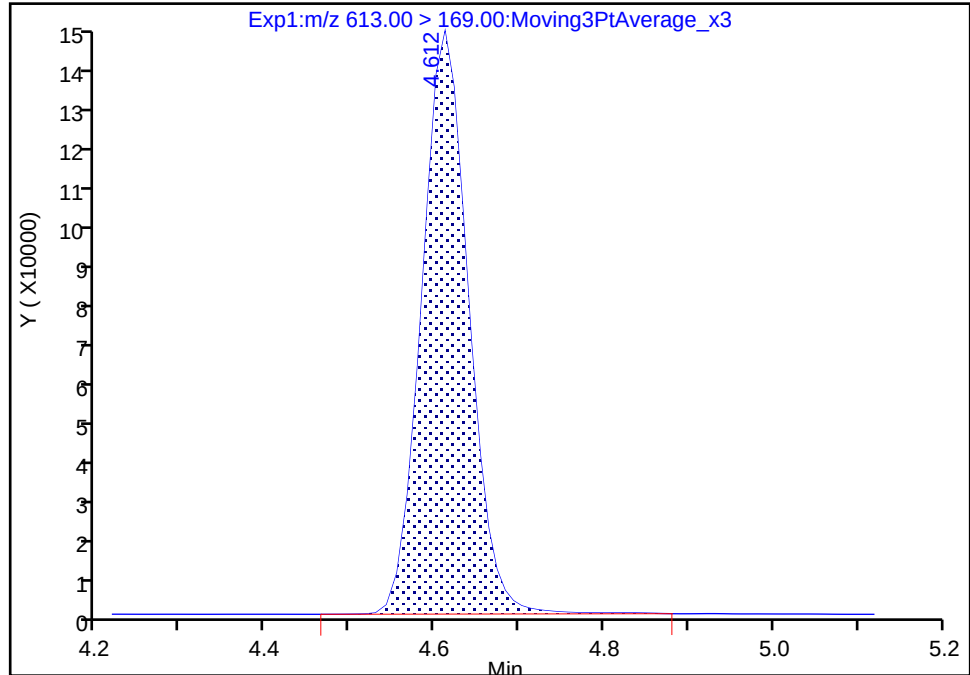
Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

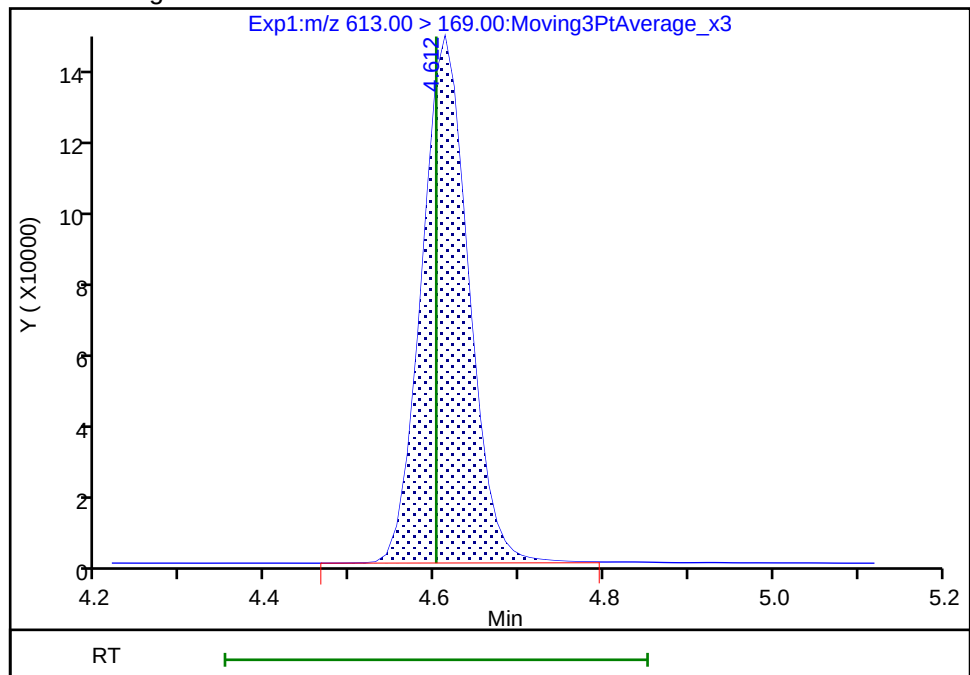
RT: 4.61
Area: 561493
Amount: 2.426739
Amount Units: ng/ml

Processing Integration Results



RT: 4.61
Area: 560712
Amount: 2.417648
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 09:37:03

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

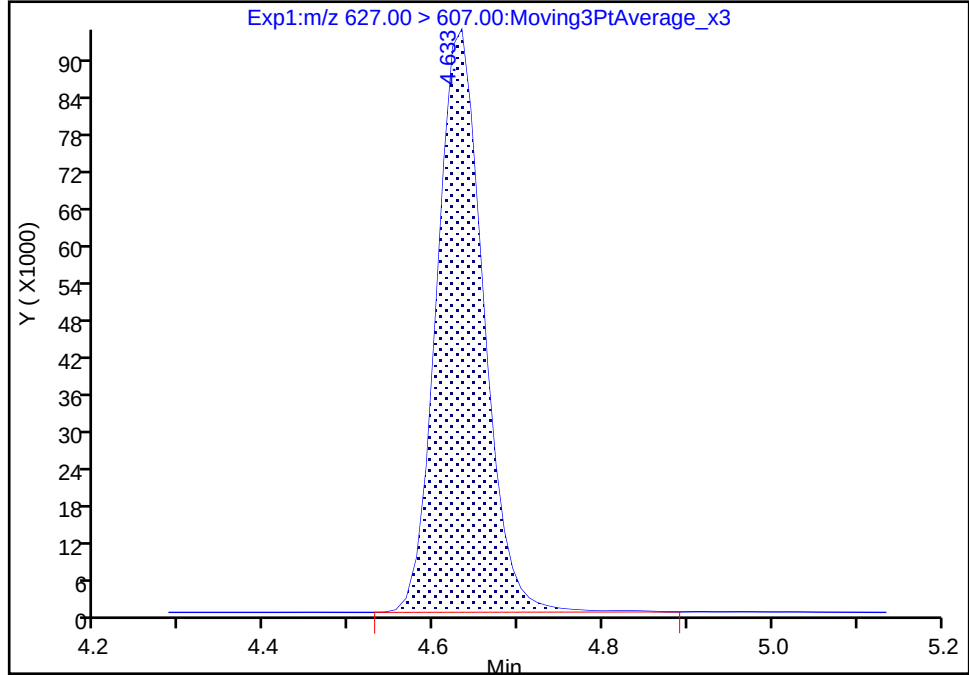
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B14.d
Injection Date: 11-Aug-2022 20:17:36 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

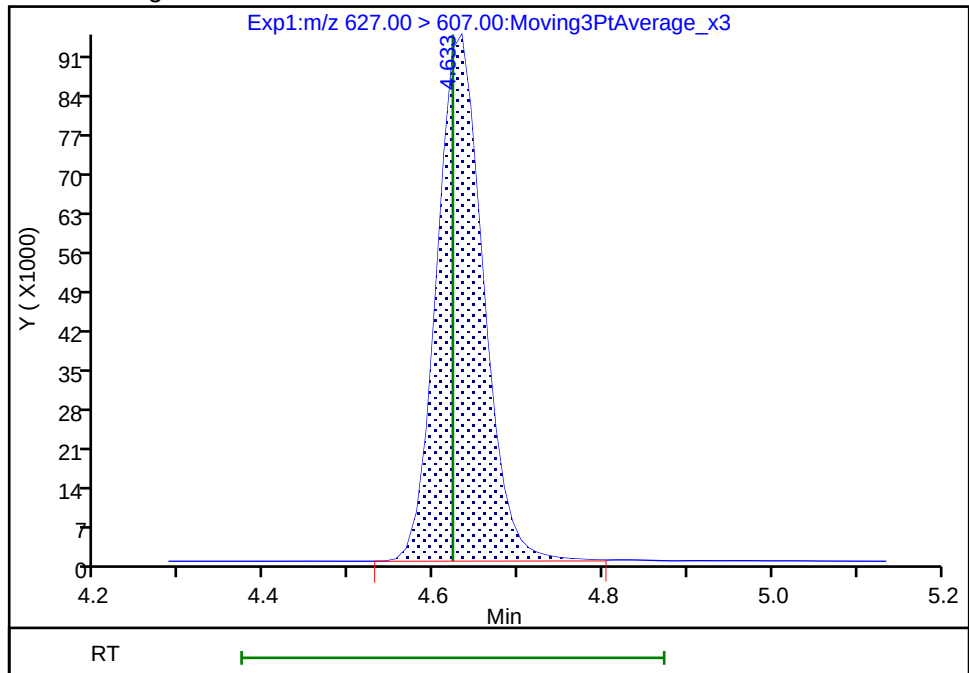
RT: 4.63
Area: 360544
Amount: 2.590388
Amount Units: ng/ml

Processing Integration Results



RT: 4.63
Area: 359993
Amount: 2.605867
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 09:37:08
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1094 of 1695

08/18/2022

Eurofins Burlington

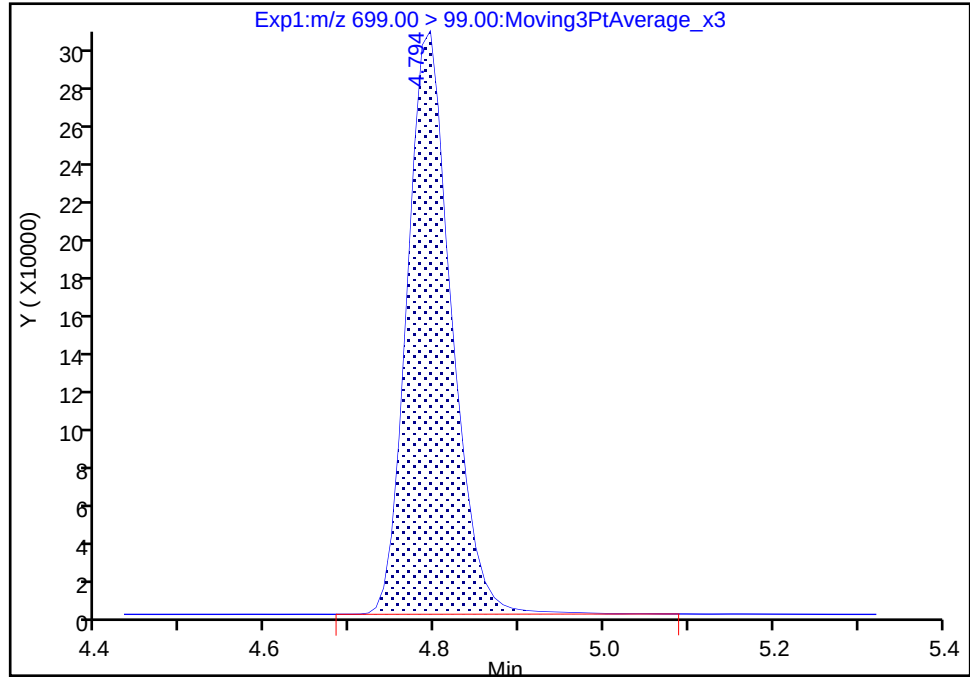
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B14.d
Injection Date: 11-Aug-2022 20:17:36 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 2

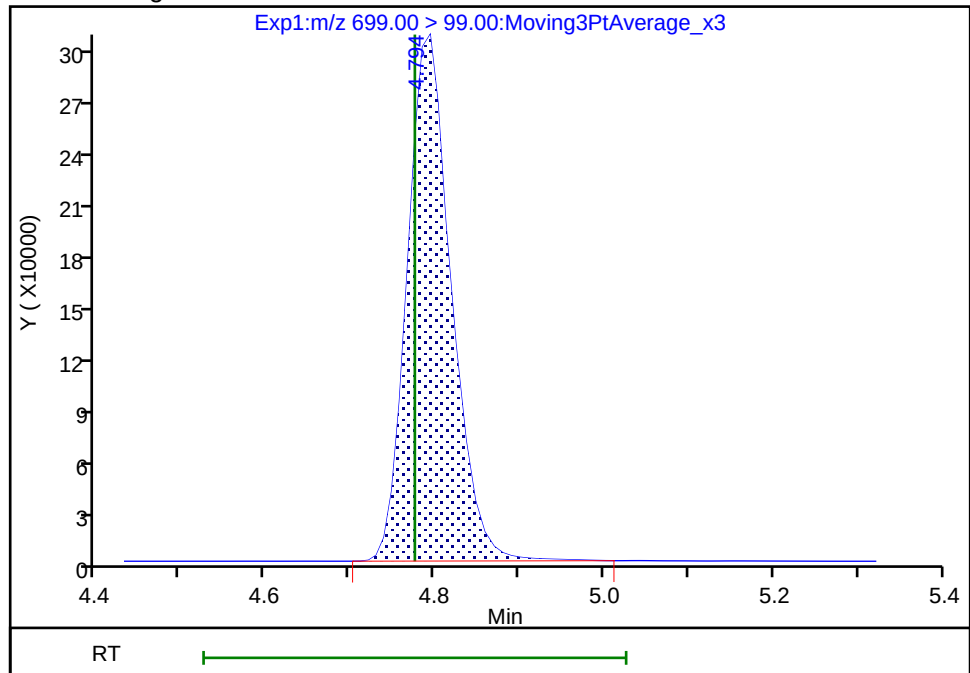
RT: 4.79
Area: 1097540
Amount: 2.395945
Amount Units: ng/ml

Processing Integration Results



RT: 4.79
Area: 1095854
Amount: 2.395945
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 09:37:19

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

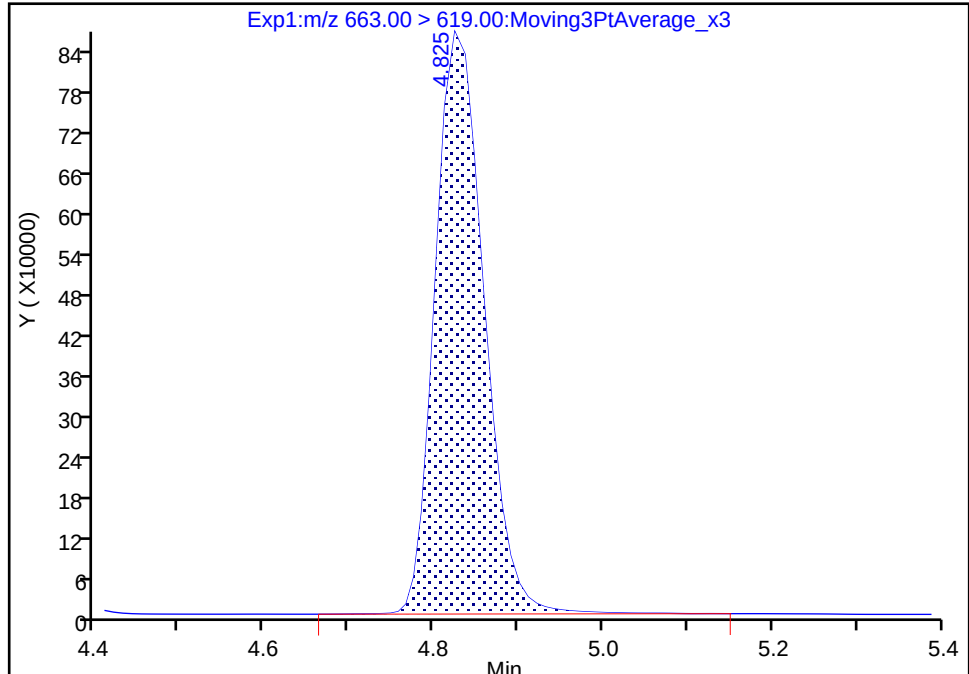
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B14.d
Injection Date: 11-Aug-2022 20:17:36 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

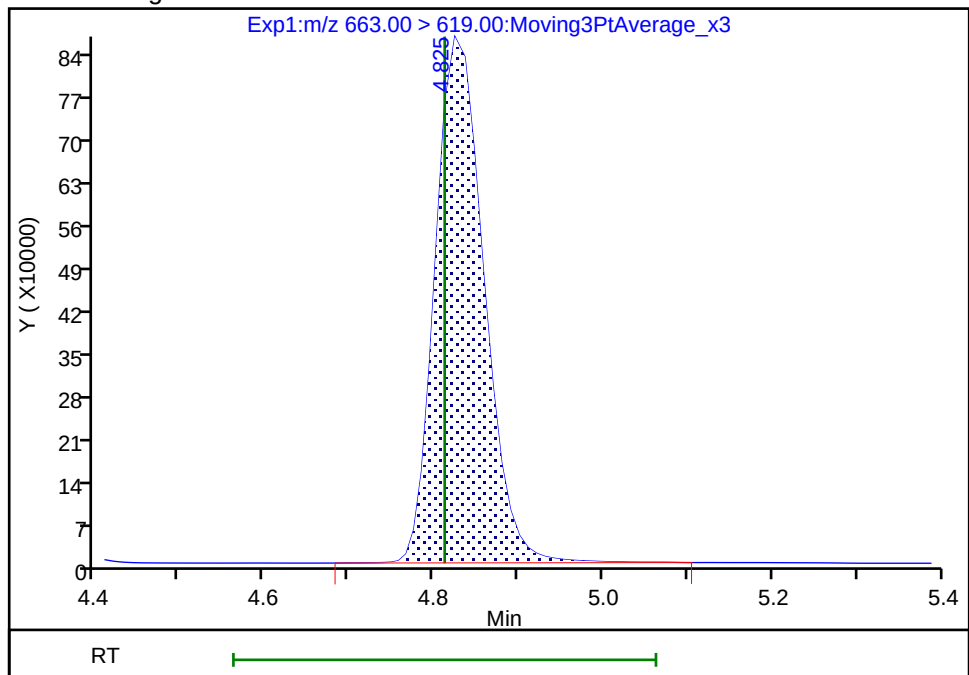
RT: 4.82
Area: 3476313
Amount: 2.618535
Amount Units: ng/ml

Processing Integration Results



RT: 4.82
Area: 3473922
Amount: 2.616734
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 09:37:36
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1096 of 1695

08/18/2022

Eurofins Burlington

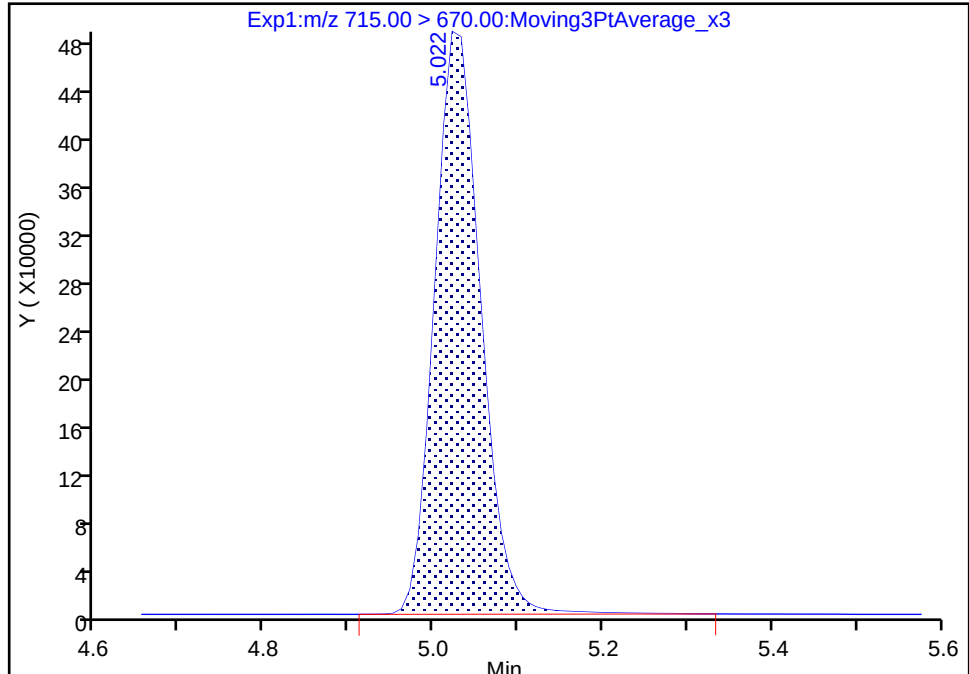
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B14.d
Injection Date: 11-Aug-2022 20:17:36 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

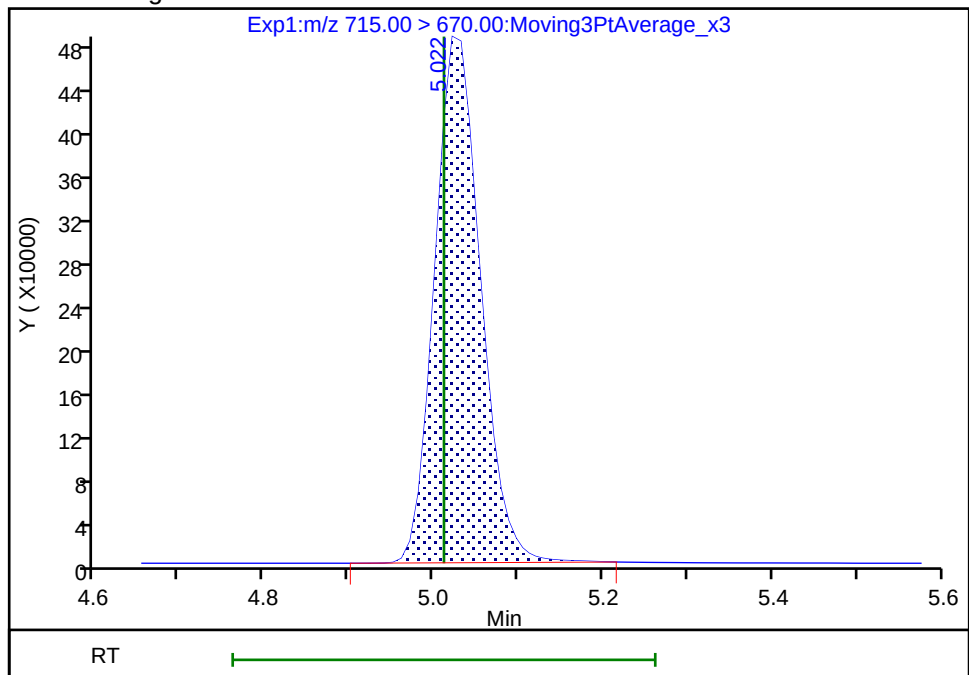
RT: 5.02
Area: 1813623
Amount: 1.548765
Amount Units: ng/ml

Processing Integration Results



RT: 5.02
Area: 1802945
Amount: 1.539646
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 08:15:24
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1097 of 1695

08/18/2022

Eurofins Burlington

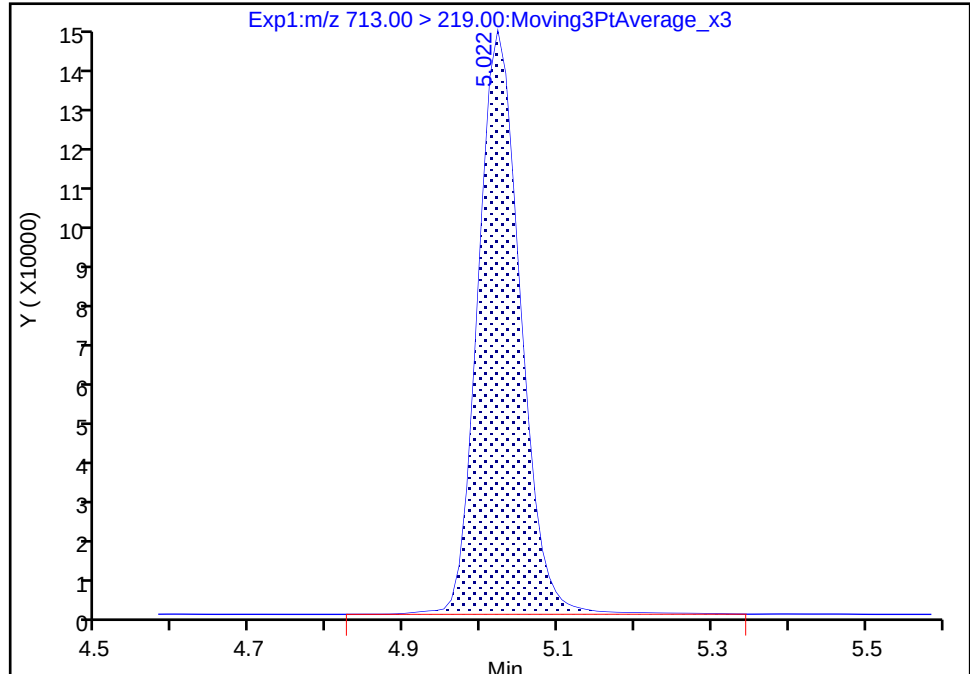
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B14.d
Injection Date: 11-Aug-2022 20:17:36 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

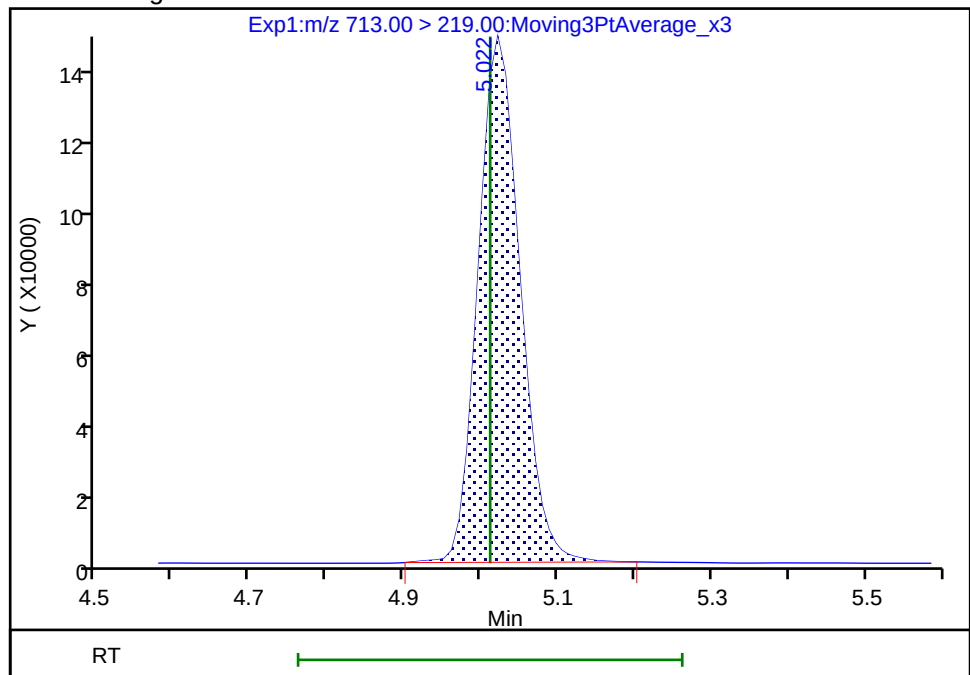
RT: 5.02
Area: 552731
Amount: 2.230134
Amount Units: ng/ml

Processing Integration Results



RT: 5.02
Area: 546557
Amount: 2.243342
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 08:15:34
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1098 of 1695

08/18/2022

Eurofins Burlington

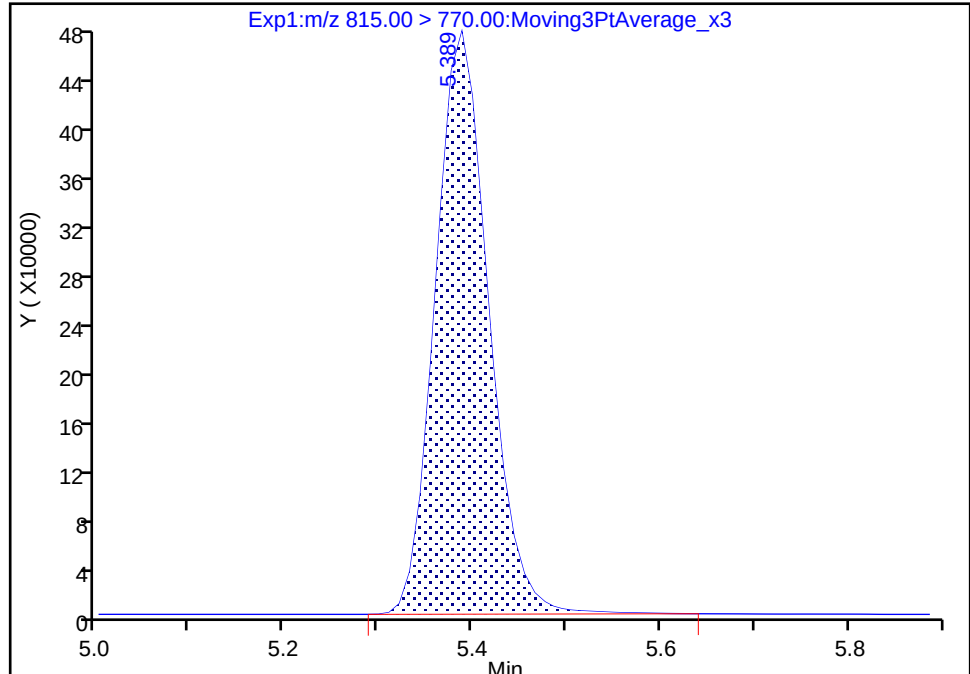
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B14.d
Injection Date: 11-Aug-2022 20:17:36 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 44 13C2 PFHxDA, CAS: STL02115

Signal: 1

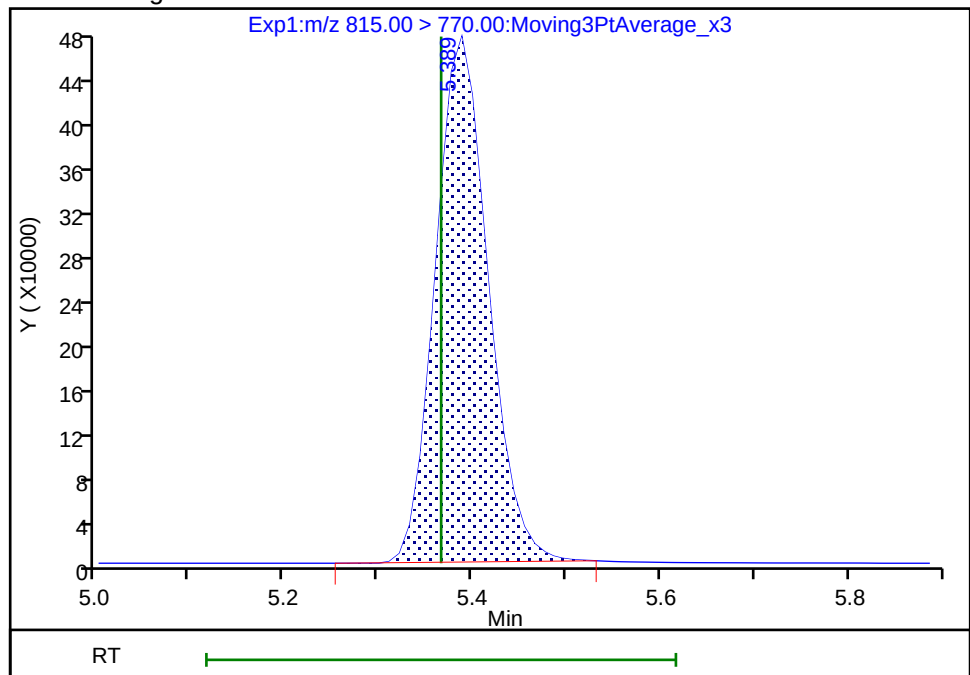
RT: 5.39
Area: 1868453
Amount: 1.400713
Amount Units: ng/ml

Processing Integration Results



RT: 5.39
Area: 1848163
Amount: 1.385502
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 08:15:38
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1099 of 1695

08/18/2022

Eurofins Burlington

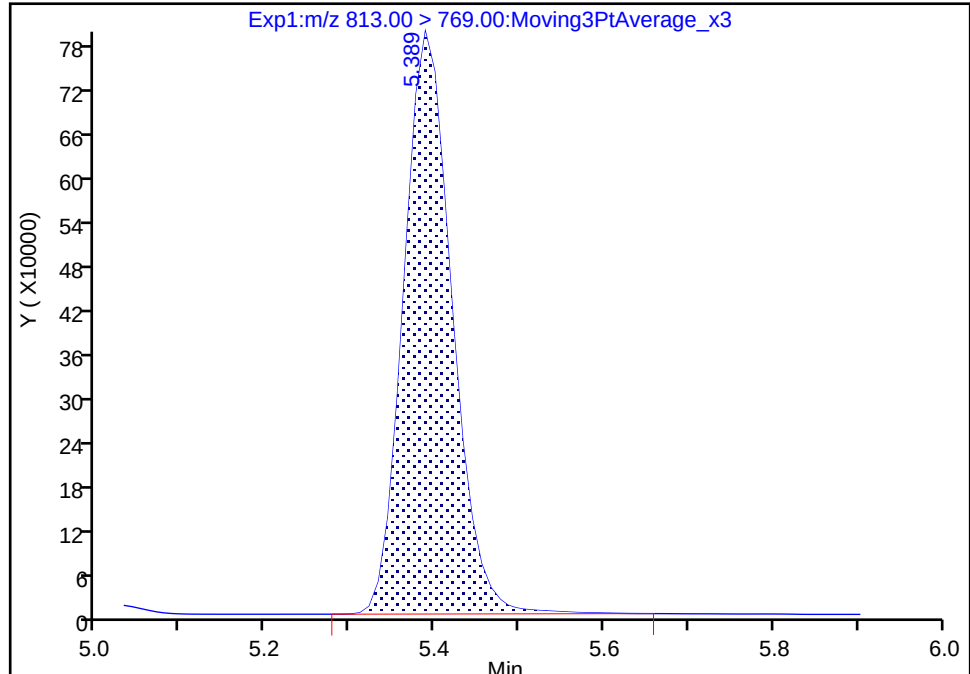
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B14.d
Injection Date: 11-Aug-2022 20:17:36 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 1

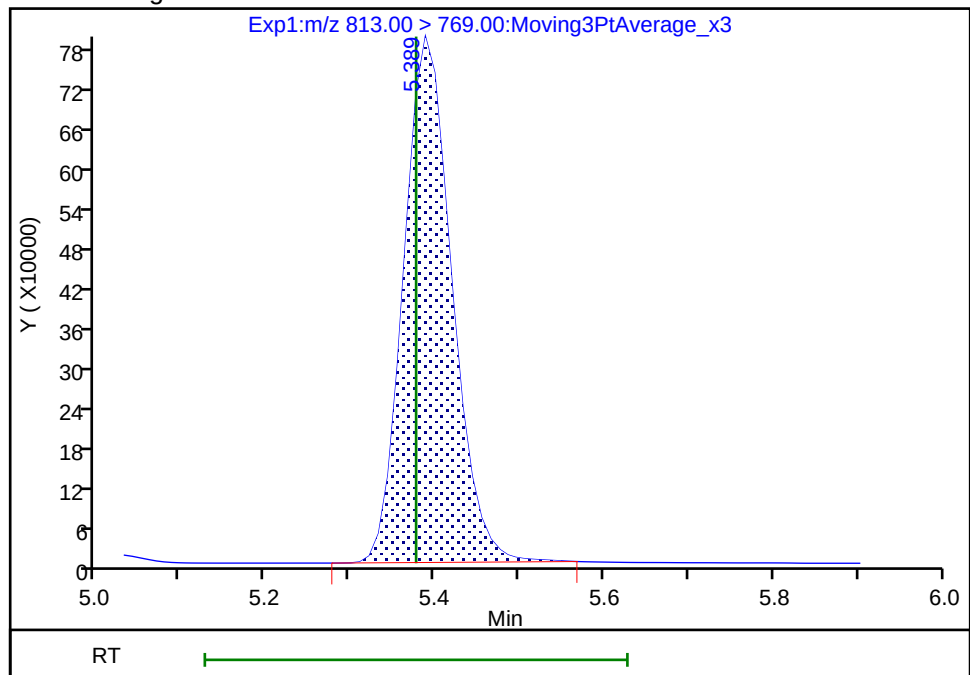
RT: 5.39
Area: 3146271
Amount: 2.333709
Amount Units: ng/ml

Processing Integration Results



RT: 5.39
Area: 3127903
Amount: 2.345661
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 08:15:44
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

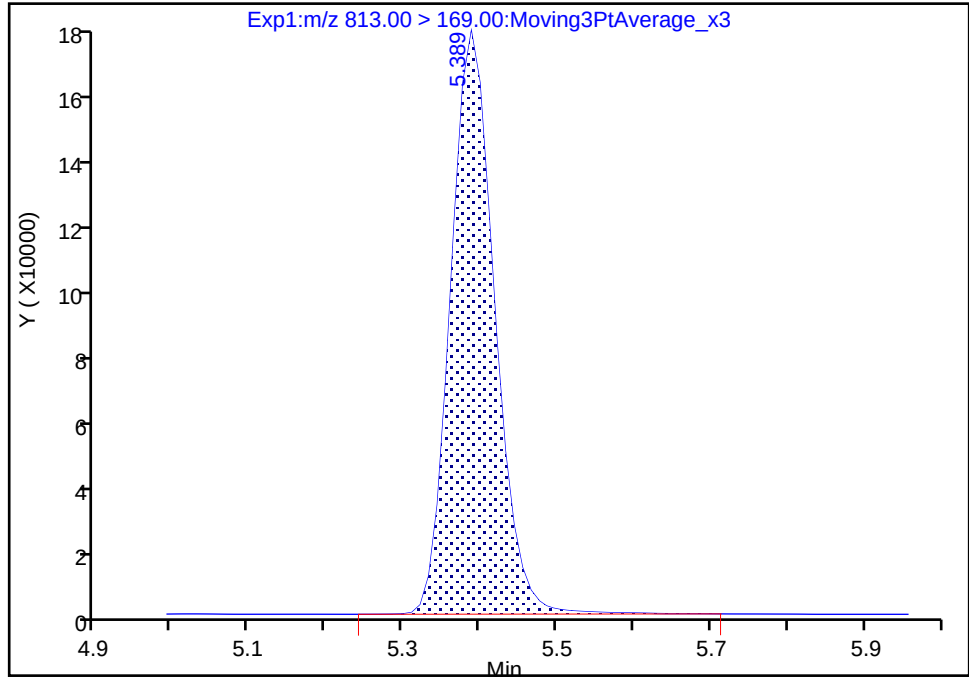
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B14.d
Injection Date: 11-Aug-2022 20:17:36 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 2

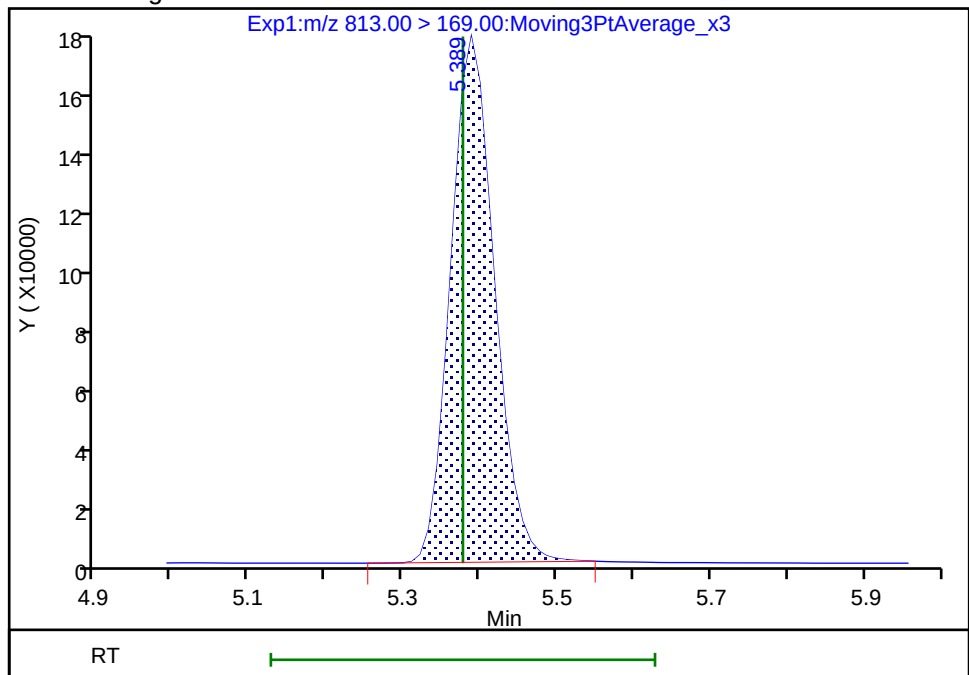
RT: 5.39
Area: 694878
Amount: 2.333709
Amount Units: ng/ml

Processing Integration Results



RT: 5.39
Area: 687903
Amount: 2.345661
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 08:15:47

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

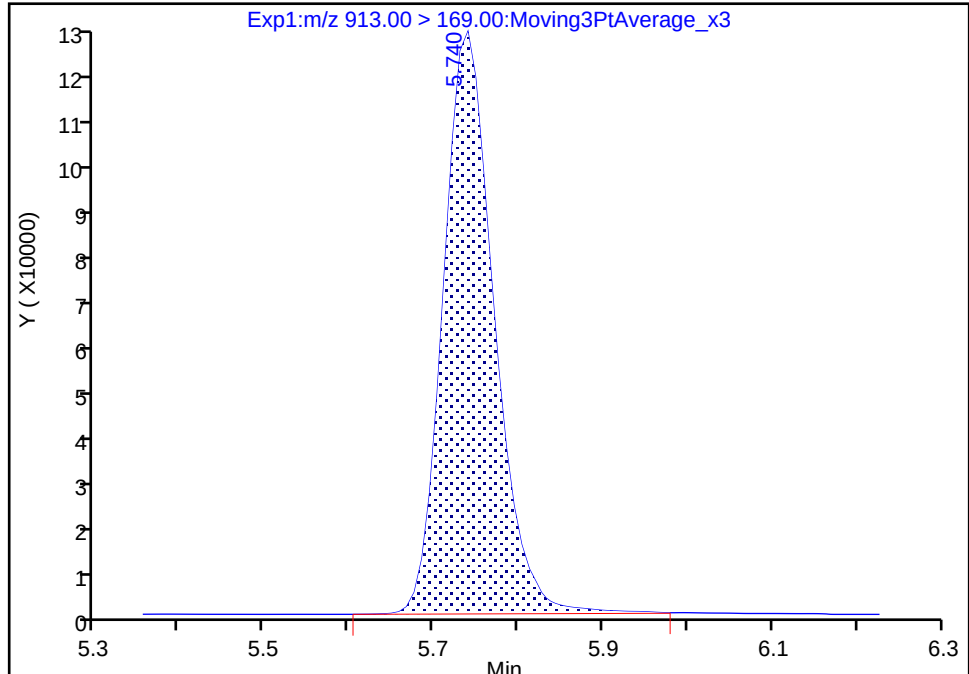
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B14.d
Injection Date: 11-Aug-2022 20:17:36 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

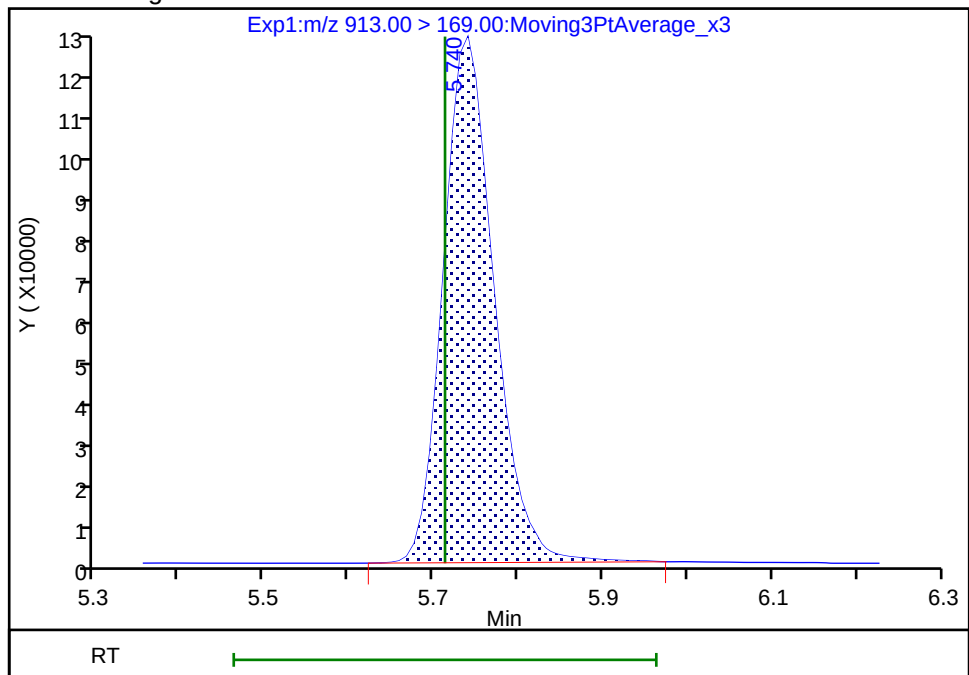
RT: 5.74
Area: 521753
Amount: 2.352883
Amount Units: ng/ml

Processing Integration Results



RT: 5.74
Area: 520380
Amount: 2.355509
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 09:38:14
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B14.d

Injection Date: 11-Aug-2022 20:17:36

Instrument ID: LC812

Lims ID: CCV L5

Client ID:

Operator ID: lc812tech

ALS Bottle#: 14

Worklist Smp#: 14

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

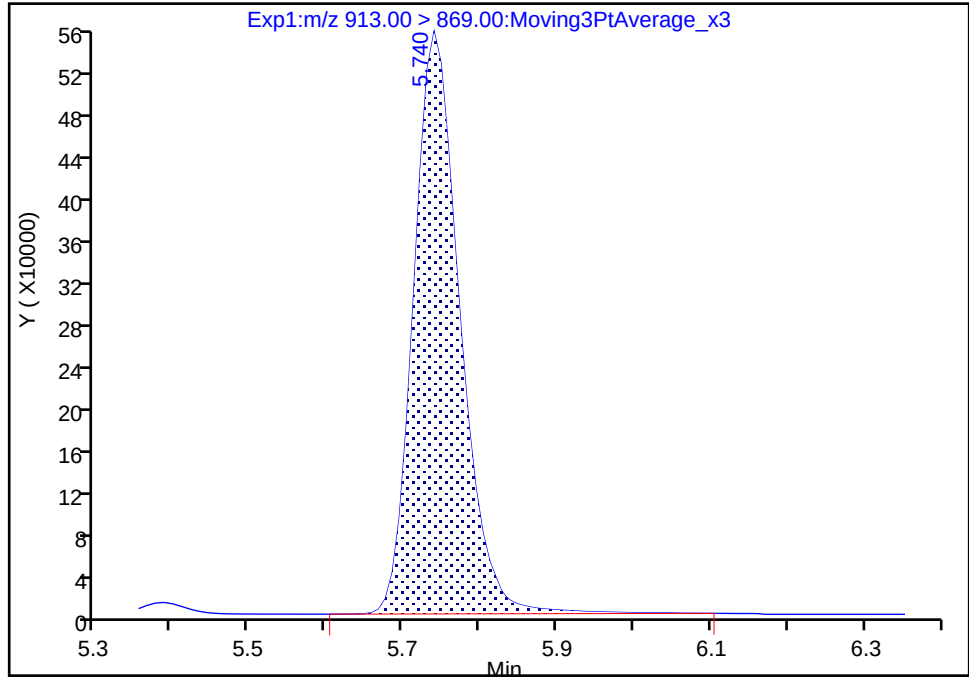
Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

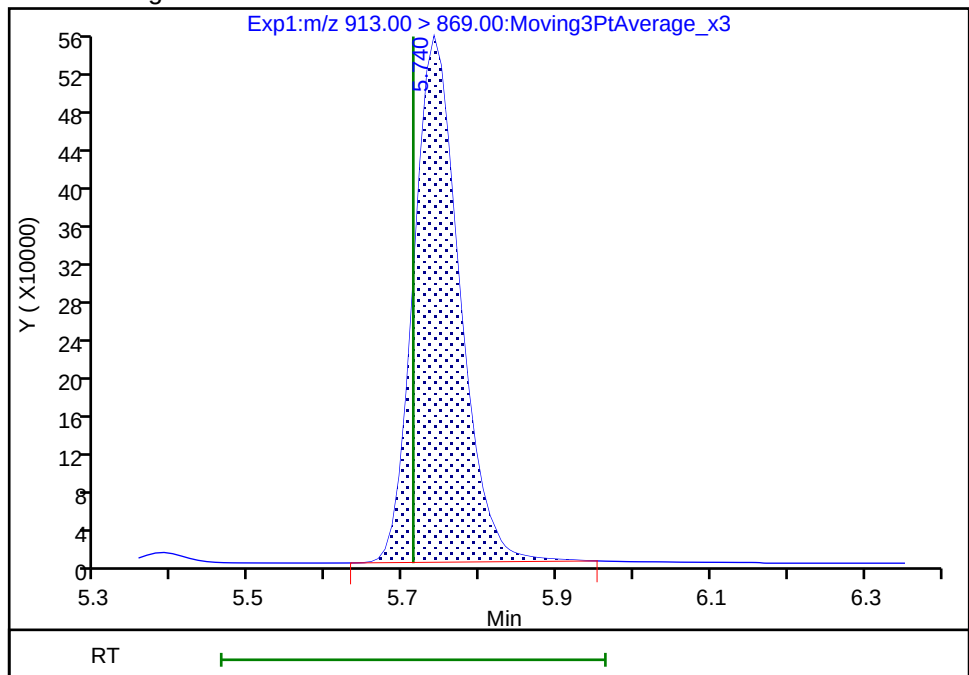
RT: 5.74
Area: 2338449
Amount: 2.352883
Amount Units: ng/ml

Processing Integration Results



RT: 5.74
Area: 2315637
Amount: 2.355509
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 08:15:52

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-263208-1

SDG No.: _____

Lab Sample ID: CCV 200-182595/25 Calibration Date: 08/11/2022 21:47

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: PA220811B25.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	0.9239		0.953	1.00	-4.7	
Perfluoropentanoic acid (PFPeA)	AveID	1.031	0.996		0.966	1.00	-3.4	
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	2.412		0.948	0.934	1.5	
Perfluorohexanoic acid (PFHxA)	AveID	1.043	1.031		0.988	1.00	-1.2	
Perfluoropentanesulfonic acid (PFPeS)	AveID	1.297	1.214		0.879	0.938	-6.3	
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	AveID	1.075	1.067		0.993	1.00	-0.7	
Perfluorohexanesulfonic acid (PFHxS)	AveID	1.103	1.011		0.834	0.910	-8.3	
Perfluoroheptanoic acid (PFHpA)	AveID	1.031	1.018		0.988	1.00	-1.2	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	4.119	4.207		0.962	0.942	2.2	
Perfluoroheptanesulfonic acid (PFHpS)	AveID	1.236	1.200		0.924	0.952	-2.9	
6:2 FTS	L1ID		1.497		0.957	0.948	1.0	30.0
Perfluorooctanoic acid (PFOA)	AveID	1.121	1.091		0.973	1.00	-2.7	
Perfluorooctanesulfonic acid (PFOS)	L1ID		0.9902		0.905	0.928	-2.5	30.0
Perfluorononanoic acid (PFNA)	AveID	1.017	0.9624		0.946	1.00	-5.4	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O)	AveID	1.766	1.741		0.919	0.932	-1.4	
Perfluorononanesulfonic acid (PFNS)	AveID	0.7830	0.7702		0.944	0.960	-1.6	
8:2 FTS	AveID	0.9657	1.000		0.992	0.958	3.6	
Perfluorodecanoic acid (PFDA)	AveID	1.052	1.062		1.01	1.00	1.0	
Perfluorooctanesulfonamide (FOSA)	AveID	1.019	0.997		0.978	1.00	-2.2	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	AveID	0.8881	0.8676		0.977	1.00	-2.3	
Perfluorodecanesulfonic acid (PFDS)	AveID	0.5827	0.5856		0.969	0.964	0.5	
Perfluoroundecanoic acid (PFUnA)	AveID	1.059	1.052		0.993	1.00	-0.7	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.9079	0.8324		0.917	1.00	-8.3	
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF)	AveID	2.299	2.281		0.935	0.942	-0.8	
Perfluorododecanoic acid (PFDoA)	AveID	1.014	0.9888		0.975	1.00	-2.5	
1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS)	AveID	0.4511	0.4785		1.02	0.964	6.1	
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.2587	0.2505		0.937	0.968	-3.2	

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-263208-1
 SDG No.: _____
 Lab Sample ID: CCV 200-182595/25 Calibration Date: 08/11/2022 21:47
 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: PA220811B25.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	0.9464		1.08	1.00	7.7	
Perfluorotetradecanoic acid (PFTeA)	AveID	0.1602	0.1578		0.985	1.00	-1.5	
Perfluoro-n-hexadecanoic acid (PFHxDA)	L1ID		0.9542		1.05	1.00	4.7	30.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	0.6649	0.6881		1.04	1.00	3.5	
13C4 PFBA	Ave	1.167	1.035		1.11	1.25	-11.3	
13C5 PFPeA	Ave	0.8976	0.8367		1.17	1.25	-6.8	
13C3 PFBS	Ave	1.039	0.8904		0.997	1.16	-14.3	
M2-4:2 FTS	Ave	0.0894	0.0876		1.14	1.17	-2.0	
13C2 PFHxA	Ave	0.8962	0.8660		1.21	1.25	-3.4	
13C3 HFPO-DA	Ave	0.1687	0.1569		1.16	1.25	-7.0	
18O2 PFHxS	Ave	0.7305	0.6999		1.13	1.18	-4.2	50.0
13C4 PFHpA	Ave	0.9296	0.8728		1.17	1.25	-6.1	50.0
M2-6:2 FTS	Ave	0.1223	0.1278		1.24	1.19	4.5	
13C4 PFOA	Ave	0.9525	0.9655		1.27	1.25	1.4	50.0
13C4 PFOS	Ave	0.5455	0.5168		1.13	1.20	-5.3	50.0
13C5 PFNA	Ave	0.9889	0.9929		1.26	1.25	0.4	50.0
13C2 PFDA	Ave	0.9624	0.9907		1.29	1.25	2.9	
M2-8:2 FTS	Ave	0.1471	0.1598		1.30	1.20	8.6	
13C8 FOSA	Ave	0.8423	0.7837		1.16	1.25	-7.0	
d3-NMeFOSAA	Ave	0.1290	0.1242		1.20	1.25	-3.7	
13C2 PFUnA	Ave	0.7292	0.7511		1.29	1.25	3.0	
d5-NEtFOSAA	Ave	0.1221	0.1208		1.24	1.25	-1.1	
13C2 PFDoA	Ave	0.7556	0.8044		1.33	1.25	6.4	
13C2 PFTeDA	Ave	0.6177	0.6850		1.39	1.25	10.9	
13C2 PFHxDA	Ave	0.7037	0.7525		1.34	1.25	6.9	

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B25.d
 Lims ID: CCV L4
 Client ID:
 Sample Type: CCV
 Inject. Date: 11-Aug-2022 21:47:39 ALS Bottle#: 25 Worklist Smp#: 25
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: CCV L4
 Misc. Info.: 200-0052043-025 Plate: 1 Rack: 2
 Operator ID: lc812tech Instrument ID: LC812
 Sublist: chrom-PFC_LC812*sub3
 Method: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 12-Aug-2022 12:21:20 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: CTX1609

First Level Reviewer: nampitakw

Date: 12-Aug-2022 09:45:05

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	2090717	1.11		88.7	9385	M
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.085	2.076	0.009	1.000	1545241	0.9527		95.3	202	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.400	2.386	0.014	0.691	1690892	1.17		93.2	3334	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.400	2.386	0.014	1.000	1347620	0.9663		96.6	51.8	M
D 47 13C3 PFBS										M
301.90 > 80.00	2.413	2.400	0.013	0.695	1673401	1.00		85.7	171383	M
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.413	2.413	0.0	1.000	1398154	0.8799	Target=2.23	99.5	1350	M
298.90 > 99.00	2.413	2.413	0.0	1.000	665978		2.10(1.11-3.34)		588	M
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.713	2.701	0.012	0.781	165389	1.14		98.0	201	M
61 1H,1H,2H,2H-perfluorohexanesulfo										
327.00 > 307.00	2.713	2.701	0.012	1.000	319104	0.9477		101	2230	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.749	2.737	0.012	1.000	1443144	0.9878	Target=12.24	98.8	362	M
313.00 > 119.00	2.749	2.737	0.012	1.000	112879		12.78(6.12-18.36)		188	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.749	2.737	0.012	0.792	1750070	1.21		96.6	4090	
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.749	2.737	0.012	0.884	1288927	0.8786	Target=2.95	93.7	1284	M
349.00 > 99.00	2.749	2.737	0.012	0.884	433988		2.97(1.48-4.43)		870	
D 64 13C3 HFPO-DA										M
287.00 > 169.00	2.859	2.847	0.012	0.823	317083	1.16		93.0	1630	M

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	2.847	0.012	1.000	270712	0.99		99.3	2400	
D 11 18O2 PFHxS										M
403.00 > 84.00	3.110	3.098	0.012	0.895	1338004	1.13		95.8	2071	M
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.110	3.098	0.012	1.000	1040868	0.8340	Target=3.43	91.7	1073	M
399.00 > 99.00	3.110	3.098	0.012	1.000	313505		3.32(1.72-5.15)		480	
D 9 13C4 PFHpA										
367.00 > 322.00	3.121	3.098	0.023	0.898	1763812	1.17		93.9	2615	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.121	3.110	0.011	1.000	1436284	0.9877	Target=3.73	98.8	436	
363.00 > 169.00	3.121	3.110	0.011	1.000	363734		3.95(1.86-5.59)		682	
77 DONA										
377.00 > 251.00	3.154	3.143	0.011	0.834	3311179	0.9623	Target=2.84	102	3625	
377.00 > 85.00	3.154	3.143	0.011	0.834	1182302		2.80(1.42-4.26)		1548	
D 12 M2-6:2 FTS										M
429.00 > 81.00	3.456	3.447	0.009	0.995	245305	1.24		105	454	M
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.465	3.447	0.018	1.003	293190	0.9572		101	261	M
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.456	3.447	0.009	0.914	954399	0.9242	Target=4.89	97.1	1587	M
449.00 > 99.00	3.456	3.447	0.009	0.914	192425		4.96(2.44-7.33)		1005	M
D 14 13C4 PFOA										M
417.00 > 372.00	3.473	3.456	0.017	1.000	1951148	1.27		101	3284	M
* 62 13C2 PFOA										
415.00 > 370.00	3.473	3.456	0.017		2020792	1.25			4006	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.473	3.456	0.017	1.000	1703280	0.9731	Target=2.67	97.3	192	M
413.00 > 169.00	3.473	3.456	0.017	1.000	609695		2.79(1.34-4.01)		924	M
D 18 13C4 PFOS										
503.00 > 80.00	3.783	3.773	0.010	1.089	998357	1.13		94.7	2800	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.792	3.773	0.019	1.003	767697	0.9051	Target=4.88	97.5	532	M
499.00 > 99.00	3.783	3.773	0.010	1.000	161684		4.75(2.44-7.32)		656	M
20 Perfluorononanoic acid										M
463.00 > 419.00	3.812	3.792	0.020	1.000	1544798	0.9459	Target=8.23	94.6	482	M
463.00 > 169.00	3.812	3.792	0.020	1.000	195987		7.88(4.11-12.34)		821	M
D 19 13C5 PFNA										
468.00 > 423.00	3.812	3.792	0.020	1.097	2006413	1.26		100	3027	
69 9-Chlorohexadecafluoro-3-oxanona										M
531.00 > 351.00	3.951	3.940	0.011	1.044	1355653	0.9186		98.6	1903	M
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.081	4.060	0.021	1.079	617742	0.9444	Target=2.53	98.4	2829	
549.00 > 99.00	4.081	4.060	0.021	1.079	249857		2.47(1.26-3.79)		1140	
D 23 13C2 PFDA										M
515.00 > 470.00	4.115	4.092	0.023	1.185	2002060	1.29		103	1922	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	4.092	0.023	1.000	1701388	1.01	Target=9.67	101	1024	
513.00 > 169.00	4.104	4.092	0.012	0.997	182419		9.33(4.83-14.50)		867	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.115	4.092	0.023	1.000	247469	0.99		104	681	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.115	4.104	0.011	1.185	309268	1.30		109	1295	M
D 21 13C8 FOSA										
506.00 > 78.00	4.161	4.150	0.011	1.198	1583770	1.16		93.0	1754	M
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.173	4.161	0.012	1.003	1262822	0.9781		97.8	1622	
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.249	4.238	0.011	1.223	251074	1.20		96.3	572	M
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.261	4.238	0.023	1.003	174264	0.9769		97.7	262	M
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.353	4.330	0.023	1.151	471662	0.9690	Target=2.80	101	2870	
599.00 > 99.00	4.353	4.330	0.023	1.151	181707		2.60(1.40-4.20)		1183	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.376	4.364	0.012	1.260	1517826	1.29		103	2187	
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.376	4.364	0.012	1.000	1277949	0.99	Target=9.07	99.3	1060	M
563.00 > 169.00	4.376	4.364	0.012	1.000	137392		9.30(4.54-13.61)		978	
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.387	4.376	0.011	1.263	244014	1.24		98.9	877	
33 N-ethylperfluorooctanesulfonamid										
584.00 > 419.00	4.398	4.376	0.022	1.003	162502	0.9169		91.7	588	M
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.478	4.465	0.013	1.184	1795369	0.9347		99.2	2976	
D 36 13C2 PFDaA										
615.00 > 570.00	4.612	4.601	0.011	1.328	1625458	1.33		106	1367	M
37 Perfluorododecanoic acid										
613.00 > 569.00	4.612	4.601	0.011	1.000	1285756	0.9750	Target=6.97	97.5	172	M
613.00 > 169.00	4.622	4.601	0.021	1.002	196827		6.53(3.48-10.45)		1324	
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.633	4.622	0.011	1.126	119140	1.02		106	647	M
75 Perfluorododecanesulfonic acid (										
699.00 > 80.00	4.794	4.776	0.018	1.267	202588	0.9373	Target=0.52	96.8	1828	
699.00 > 99.00	4.794	4.776	0.018	1.267	382198		0.53(0.26-0.79)		1560	
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.837	4.813	0.024	1.049	1230635	1.08	Target=4.56	108	167	
663.00 > 169.00	4.837	4.813	0.024	1.049	274495		4.48(2.28-6.84)		1086	
D 43 13C2 PFTeDA										
715.00 > 670.00	5.032	5.012	0.020	1.449	1384239	1.39		111	3220	M
42 Perfluorotetradecanoic acid										
713.00 > 169.00	5.032	5.012	0.020	1.000	174792	0.9852	Target=0.94	98.5	1868	
713.00 > 219.00	5.032	5.012	0.020	1.000	181168		0.96(0.47-1.41)		1325	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	5.400	5.366	0.034	1.555	1520740	1.34		107	2239	M
45 Perfluorohexadecanoic acid										
813.00 > 769.00	5.400	5.378	0.022	1.000	1160894	1.05	Target=4.38	105	253	
813.00 > 169.00	5.400	5.378	0.022	1.000	251473		4.62(2.19-6.57)		1470	
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.749	5.713	0.036	1.065	837132	1.03	Target=4.31	103	192	M
913.00 > 169.00	5.749	5.713	0.036	1.065	189276		4.42(2.16-6.47)		981	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PFAS32NCIC4_00033

Amount Added: 100.00

Units: uL

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B25.d

Injection Date: 11-Aug-2022 21:47:39

Instrument ID: LC812

Lims ID: CCV L4

Client ID:

Operator ID: lc812tech

ALS Bottle#:

25

Worklist Smp#: 25

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

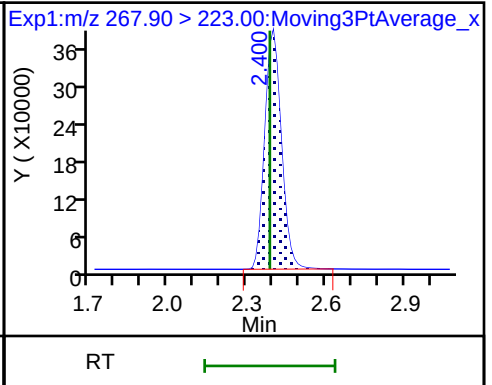
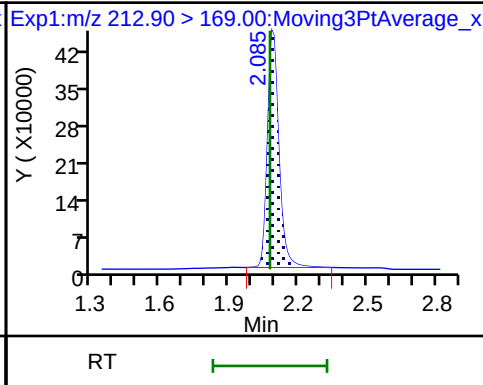
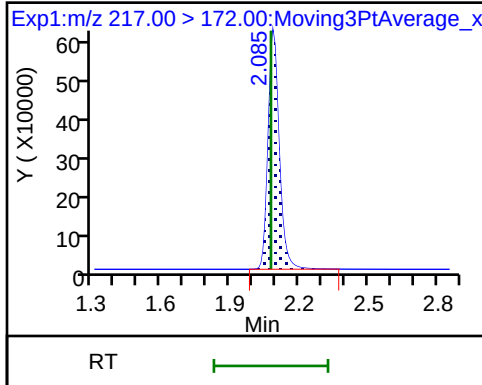
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA (M)

2 Perfluorobutanoic acid (M)

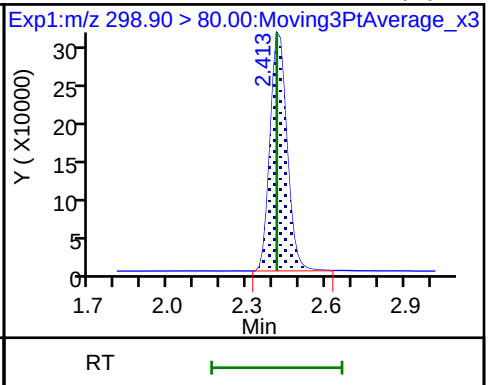
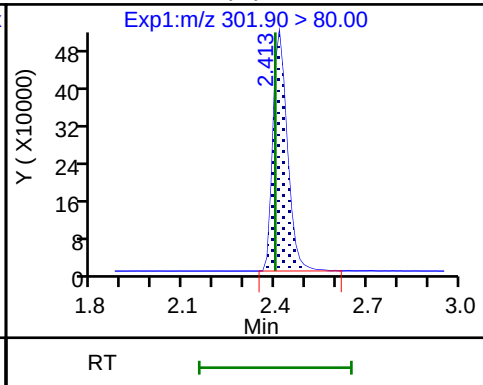
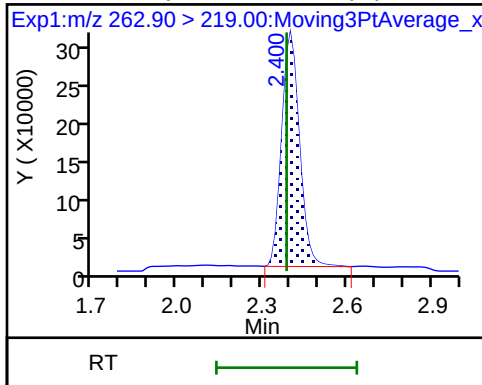
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

D 47 13C3 PFBS (M)

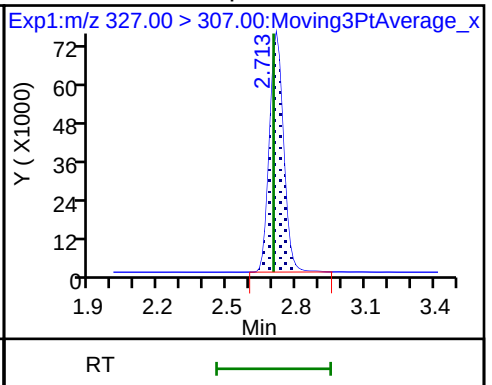
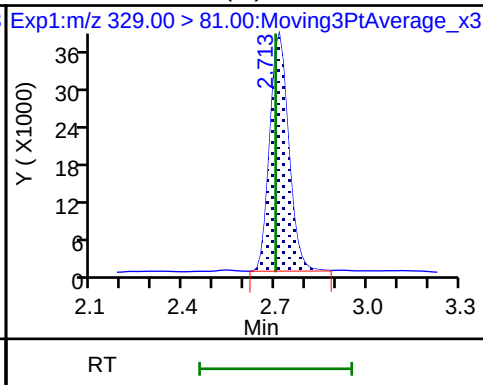
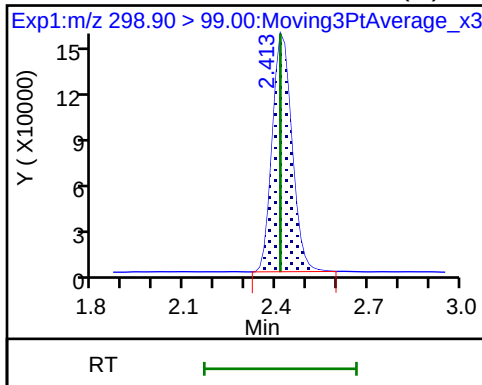
5 Perfluorobutanesulfonic acid (M)



5 Perfluorobutanesulfonic acid (M)

D 60 M2-4:2 FTS (M)

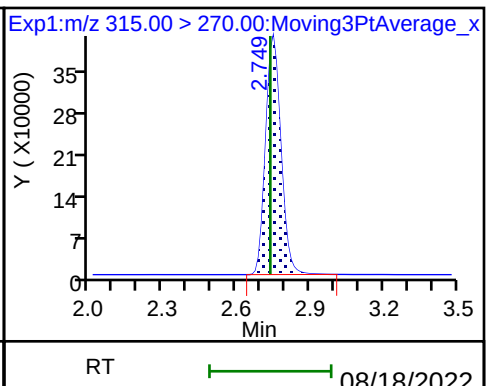
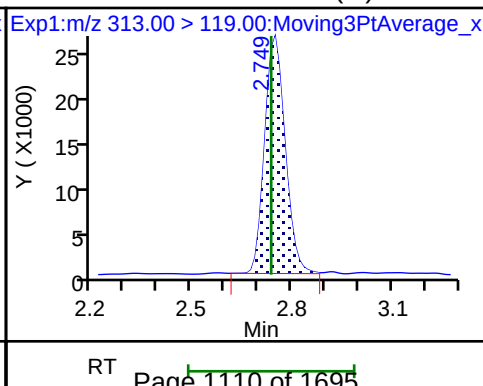
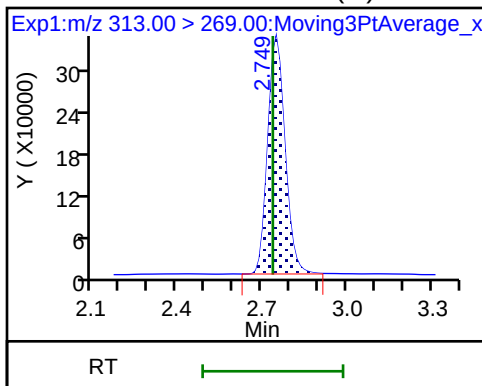
61 1H,1H,2H,2H-perfluorohexanesulfo



6 Perfluorohexanoic acid (M)

6 Perfluorohexanoic acid (M)

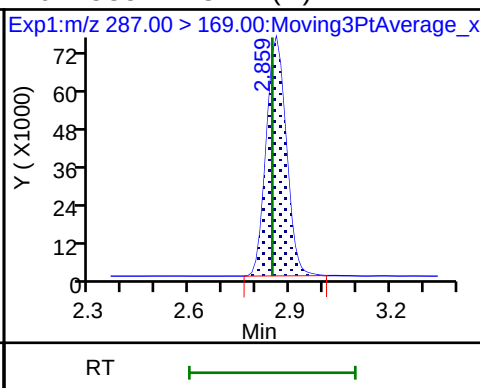
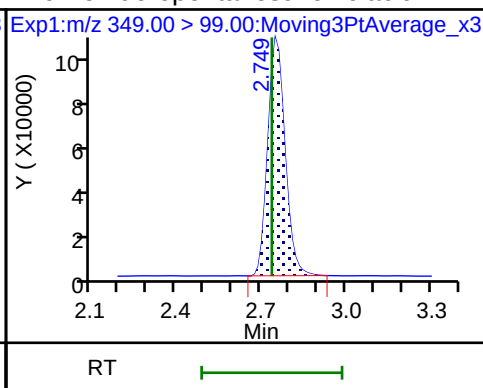
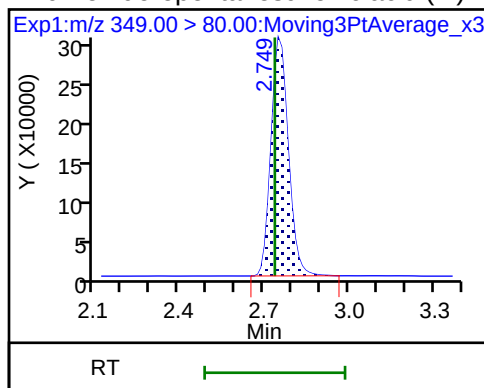
D 7 13C2 PFHxA



70 Perfluoropentanesulfonic acid (M)

70 Perfluoropentanesulfonic acid

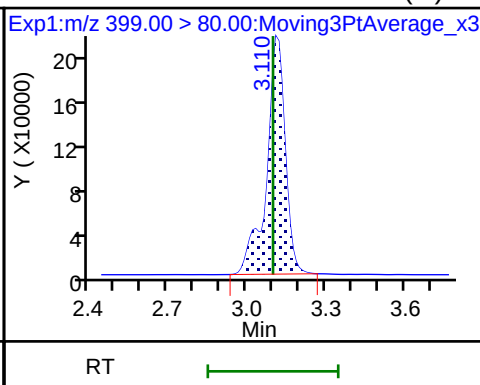
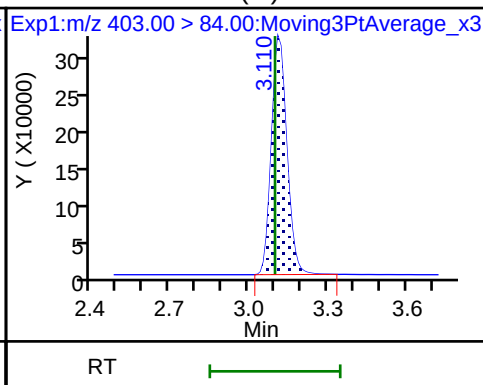
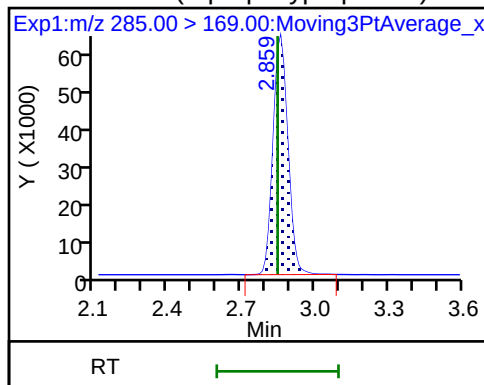
D 64 13C3 HFPO-DA (M)



67 Perfluoro(2-propoxypropanoic) ac

D 11 18O2 PFHxS (M)

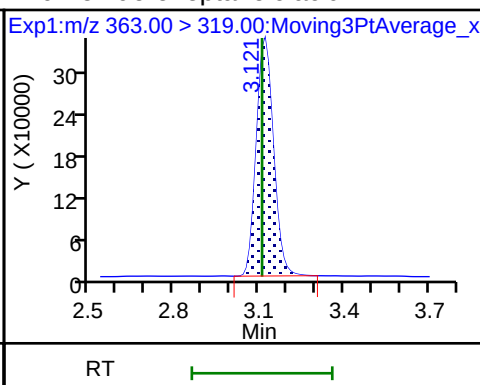
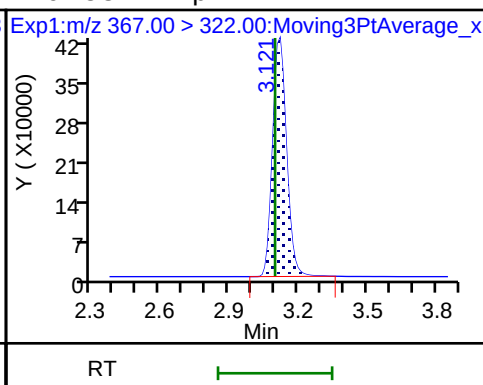
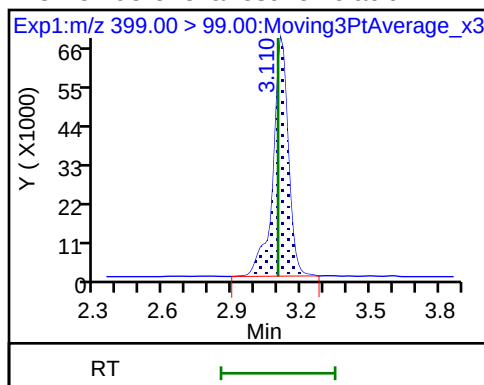
8 Perfluorohexanesulfonic acid (M)



8 Perfluorohexanesulfonic acid

D 9 13C4 PFHpa

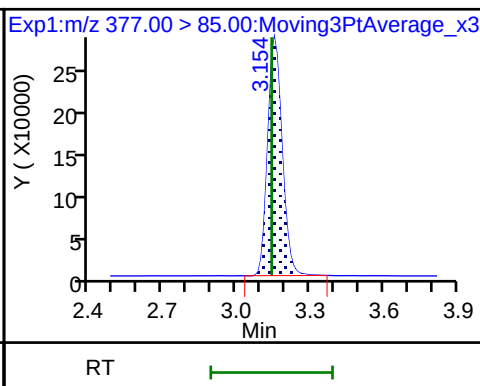
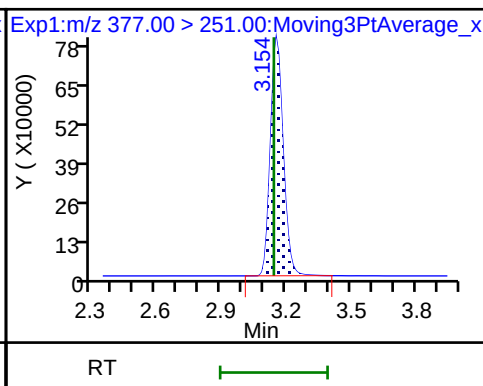
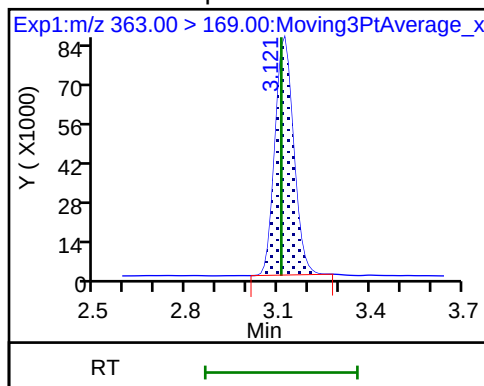
10 Perfluoroheptanoic acid



10 Perfluoroheptanoic acid

77 DONA

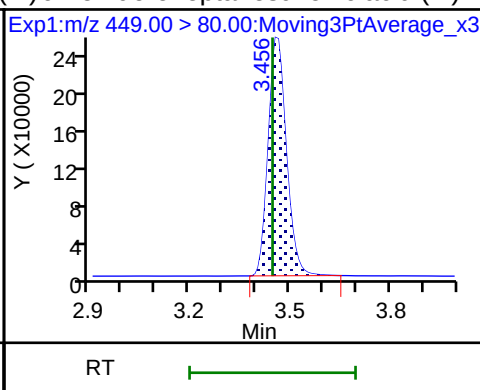
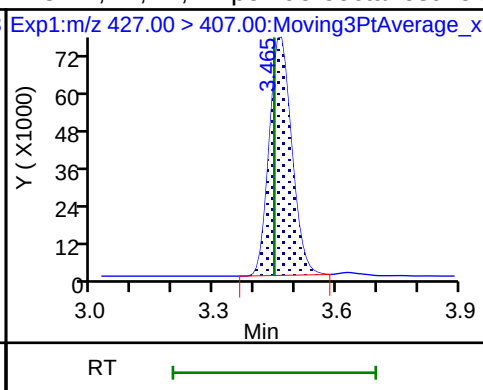
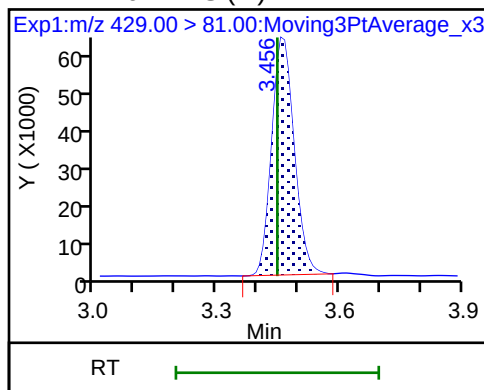
77 DONA



D 12 M2-6:2 FTS (M)

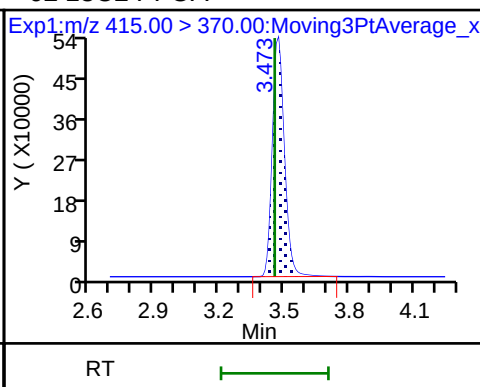
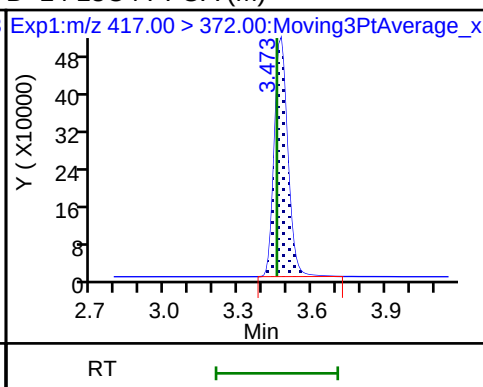
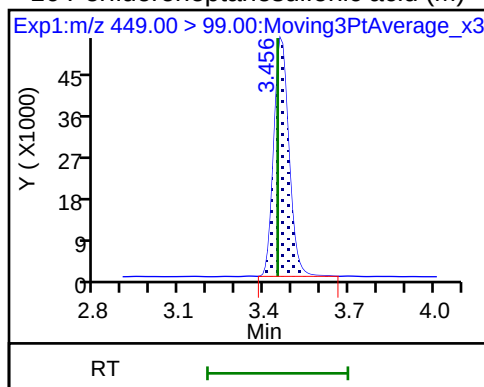
13 1H,1H,2H,2H-perfluorooctanesulfo (M)

16 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M) D 14 13C4 PFOA (M)

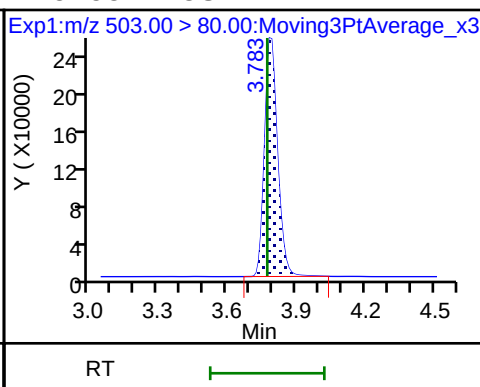
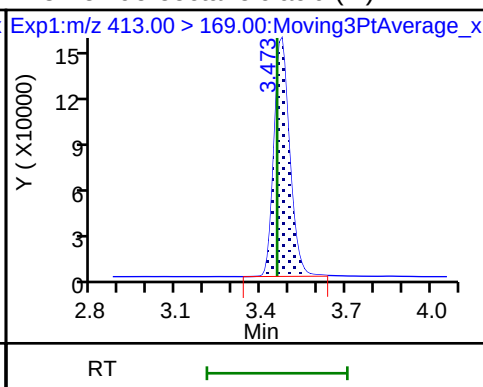
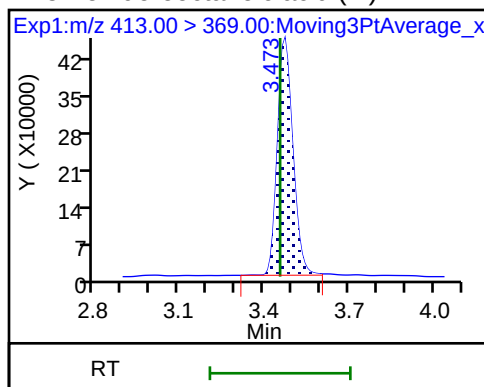
* 62 13C2 PFOA



15 Perfluorooctanoic acid (M)

15 Perfluorooctanoic acid (M)

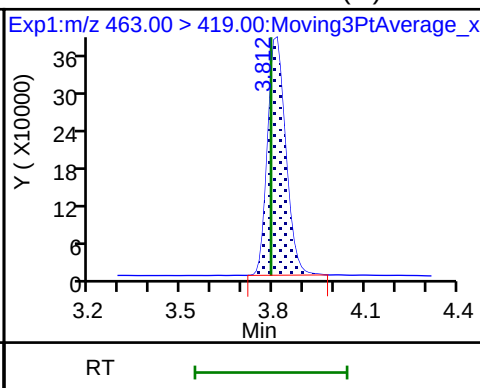
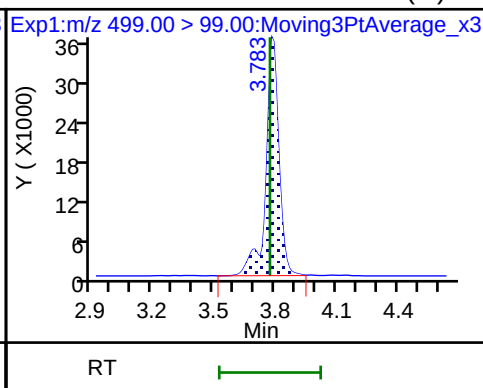
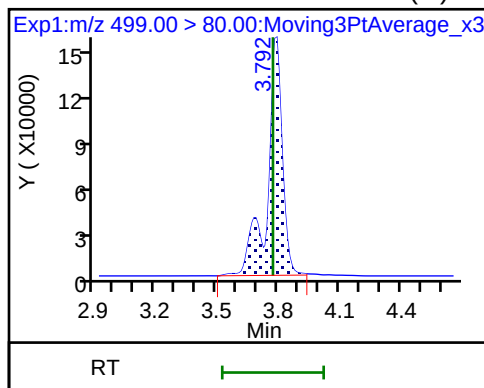
D 18 13C4 PFOS

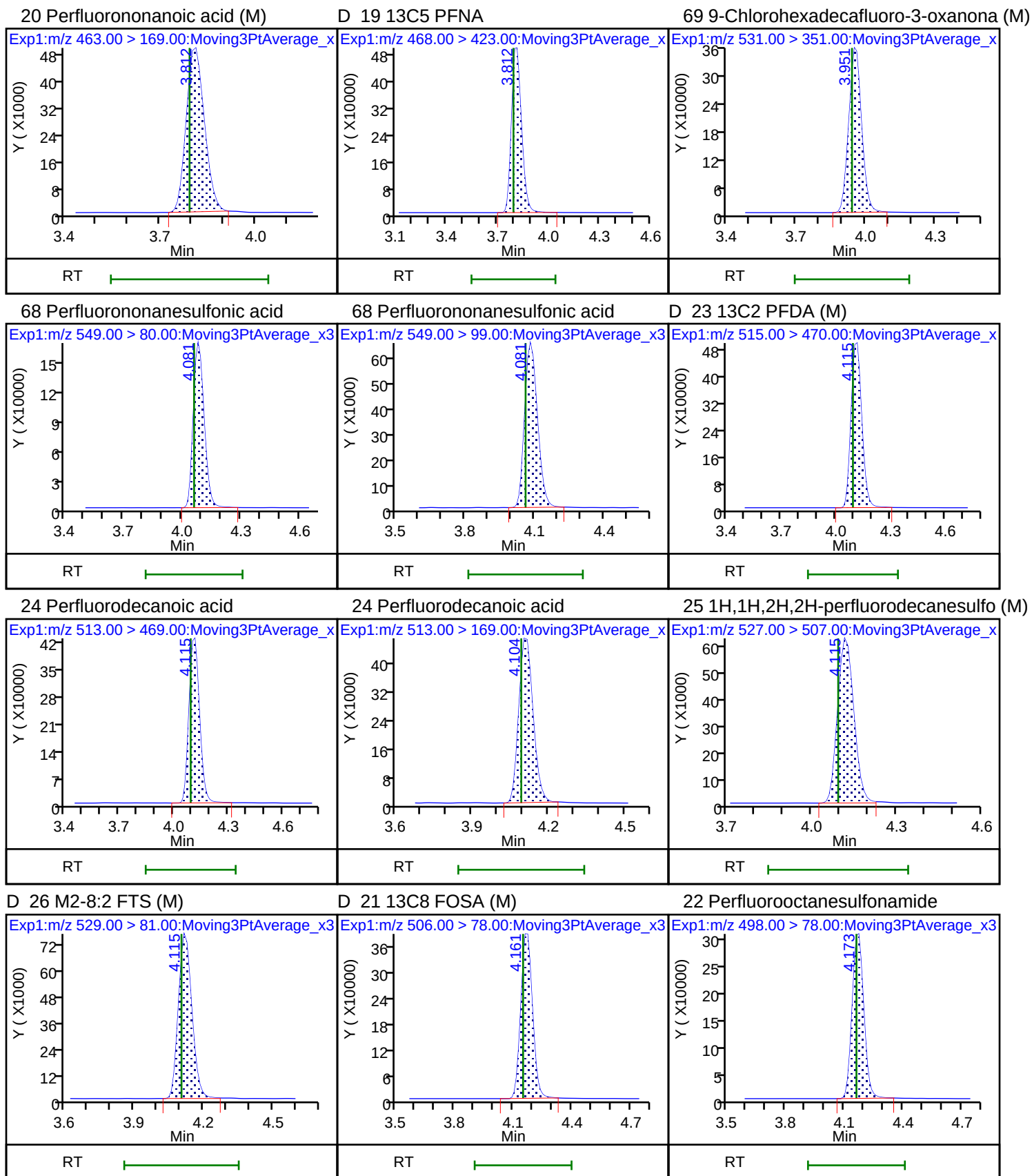


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

20 Perfluorononanoic acid (M)

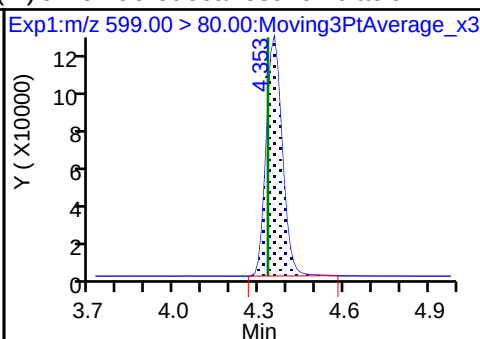
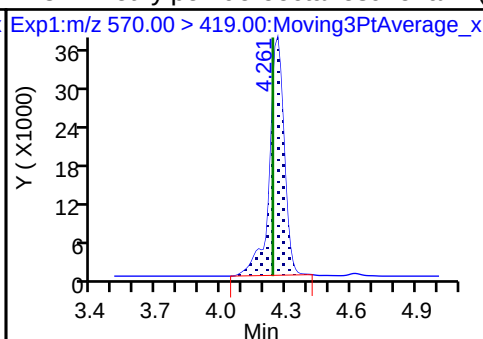
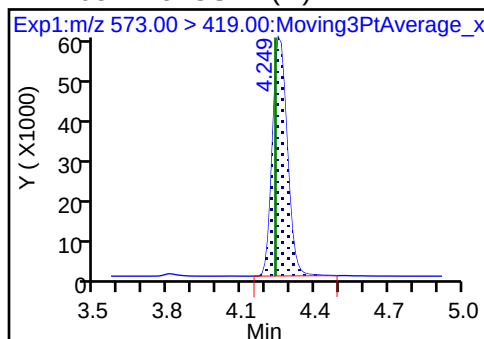




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami (M)

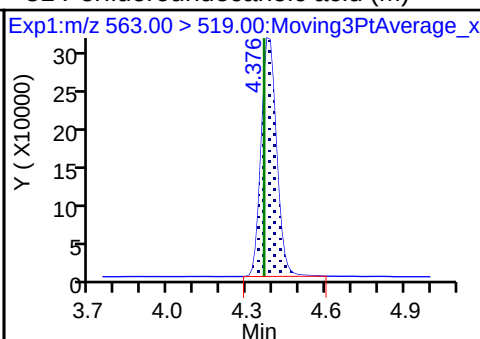
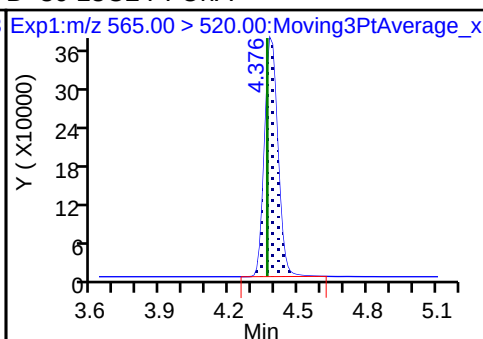
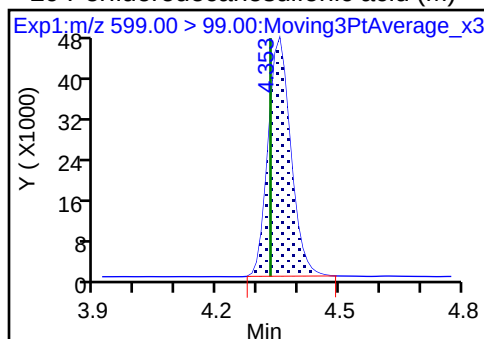
29 Perfluorodecanesulfonic acid (M)



29 Perfluorodecanesulfonic acid (M)

D 30 13C2 PFUnA

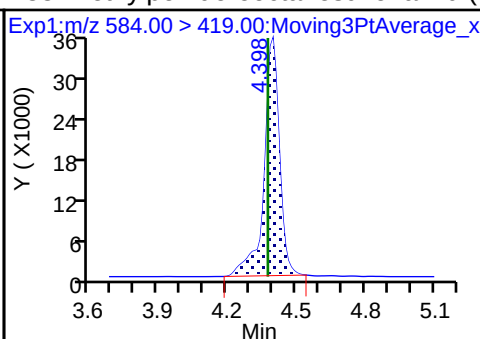
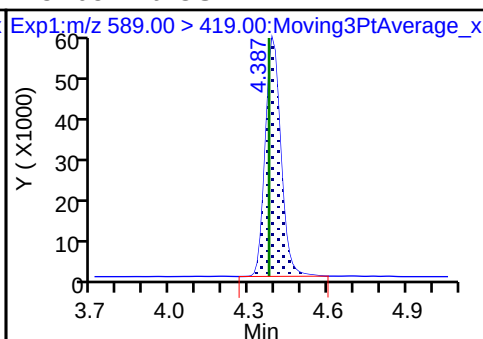
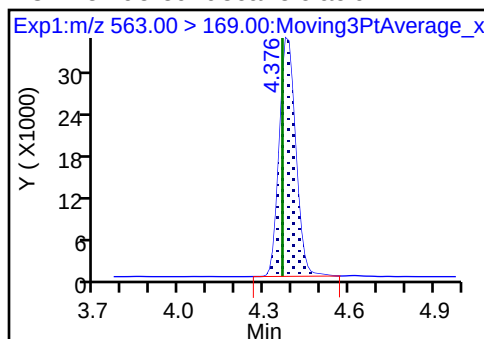
31 Perfluoroundecanoic acid (M)



31 Perfluoroundecanoic acid

D 32 d5-NEtFOSAA

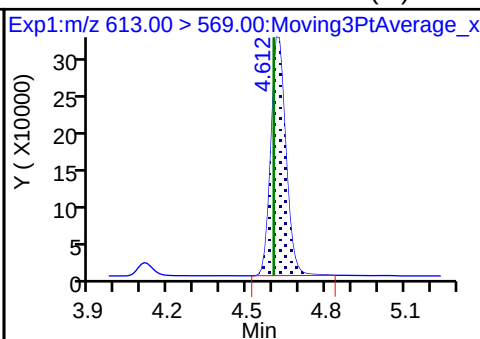
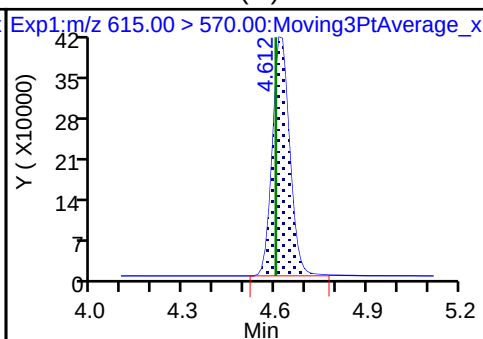
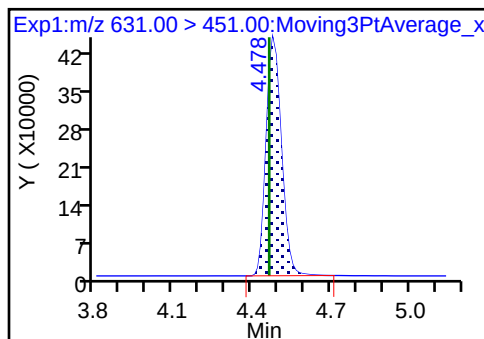
33 N-ethylperfluorooctanesulfonamid (M)

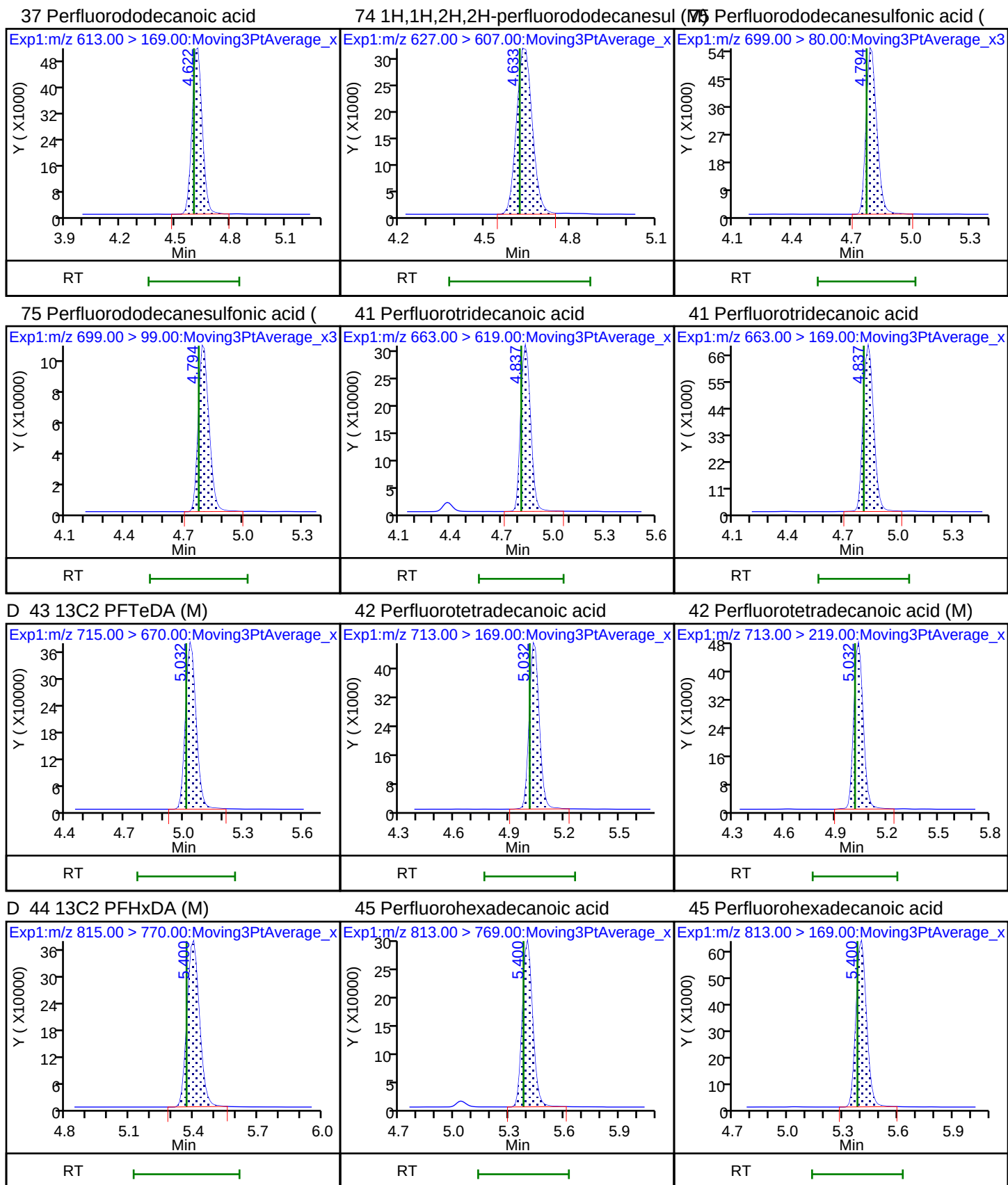


66 11-Chloroeicosafluoro-3-oxaundec

D 36 13C2 PFDaA (M)

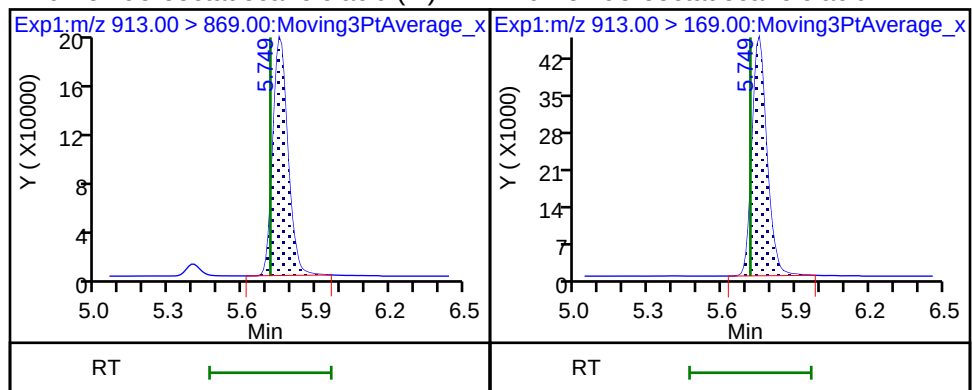
37 Perfluorododecanoic acid (M)





46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid



Eurofins Burlington

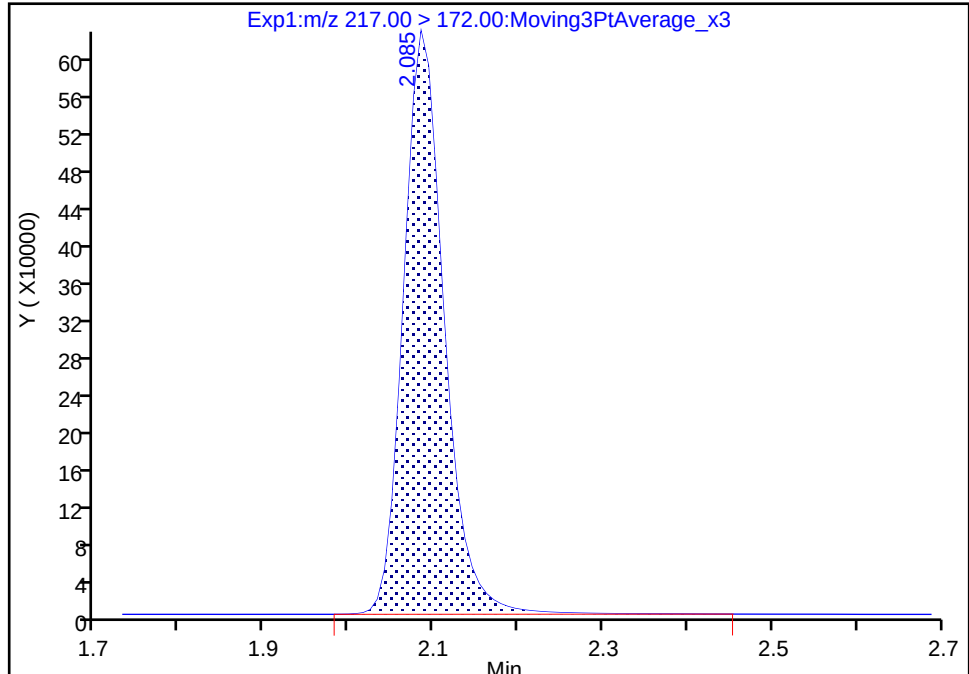
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B25.d
Injection Date: 11-Aug-2022 21:47:39 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 1 13C4 PFBA, CAS: STL00992

Signal: 1

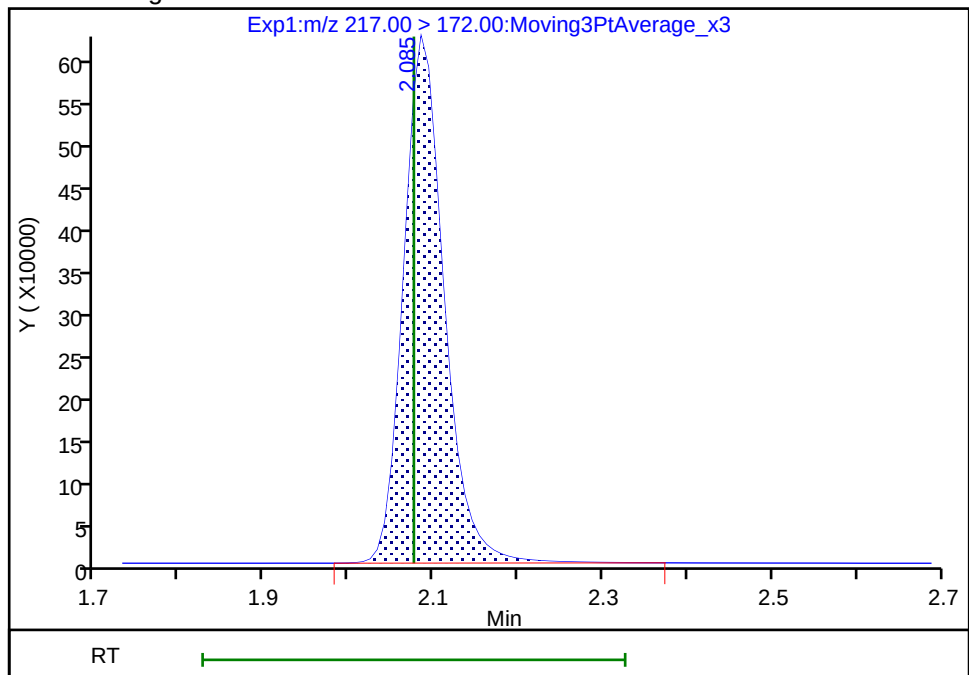
RT: 2.08
Area: 2094063
Amount: 1.109917
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 2090717
Amount: 1.108144
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 08:16:41
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1117 of 1695

08/18/2022

Eurofins Burlington

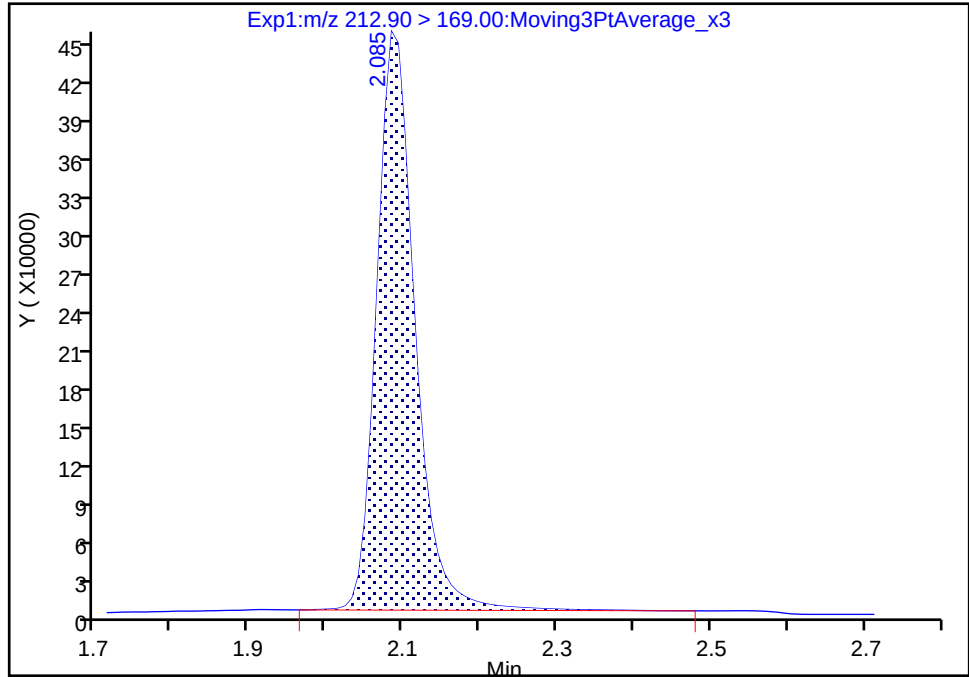
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B25.d
Injection Date: 11-Aug-2022 21:47:39 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

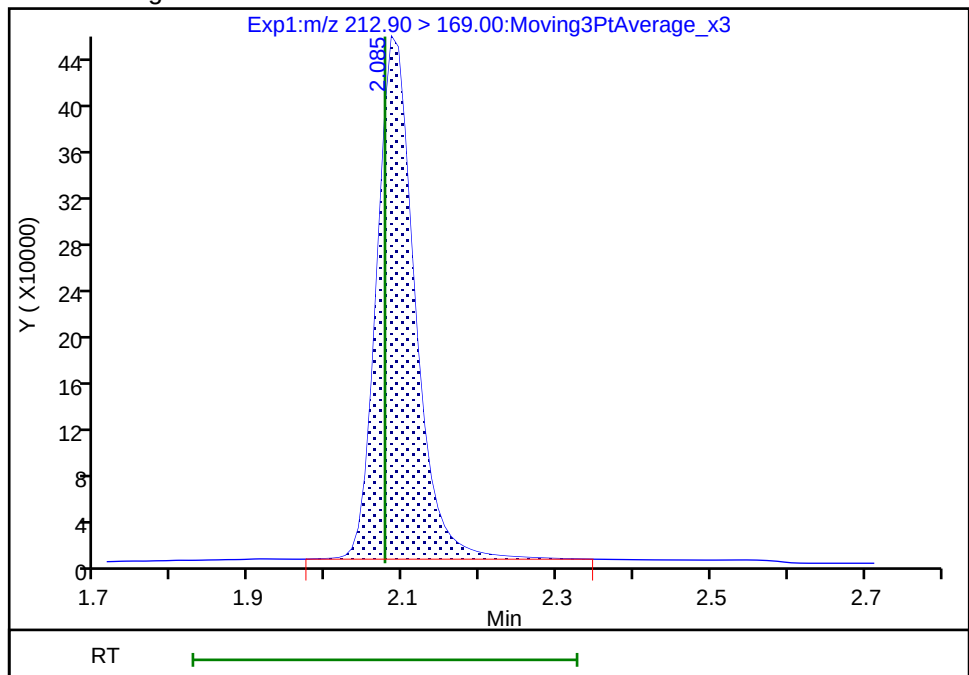
RT: 2.08
Area: 1553625
Amount: 0.956386
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 1545241
Amount: 0.952748
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 09:40:52
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

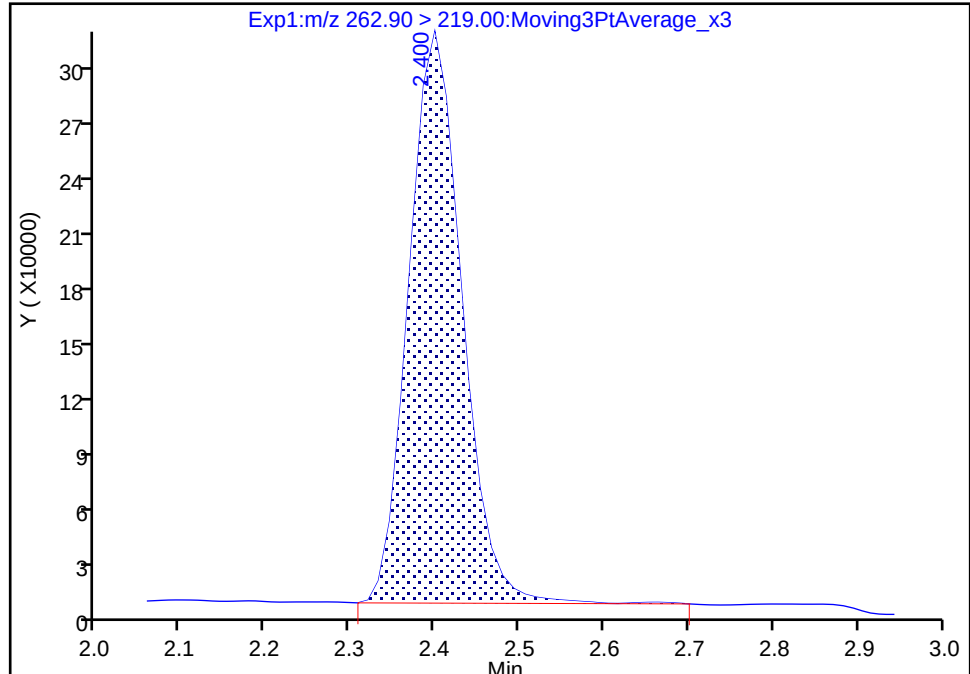
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B25.d
Injection Date: 11-Aug-2022 21:47:39 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

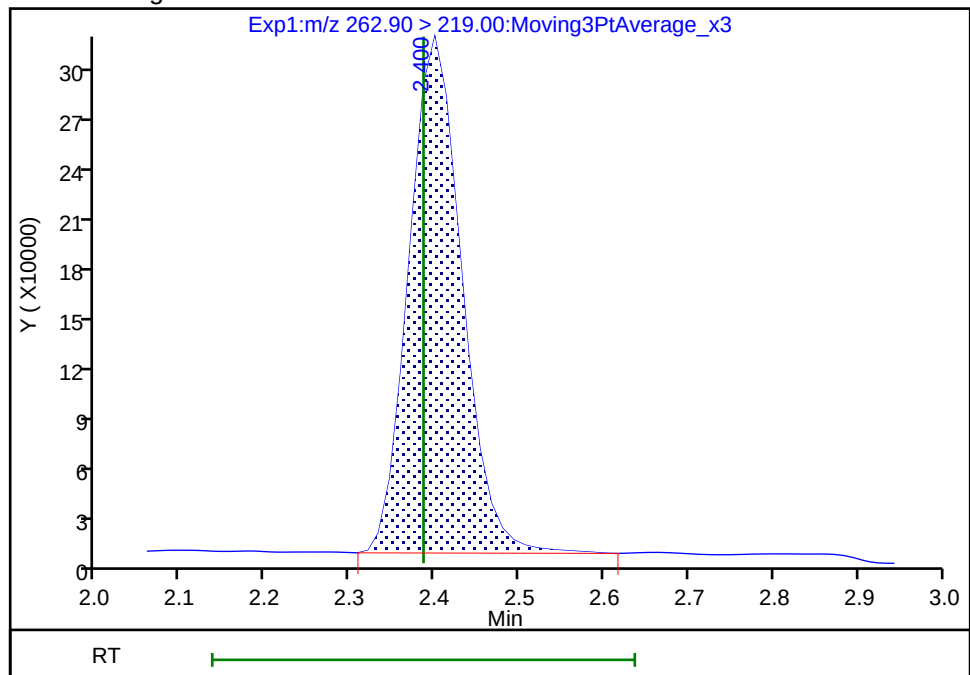
RT: 2.40
Area: 1351034
Amount: 0.968786
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 1347620
Amount: 0.966338
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 09:40:57

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

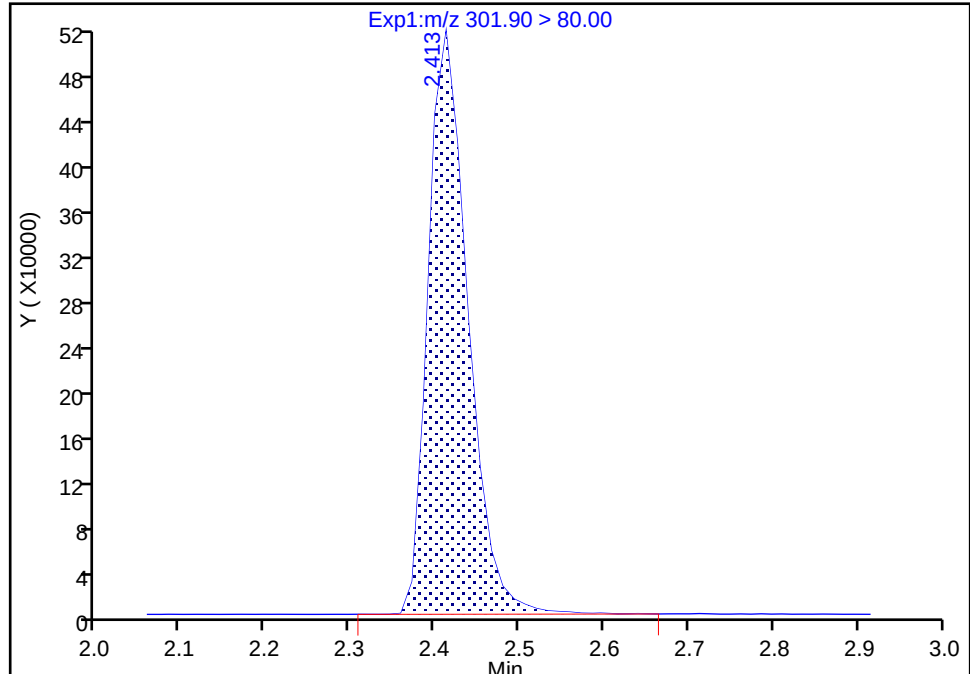
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B25.d
Injection Date: 11-Aug-2022 21:47:39 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

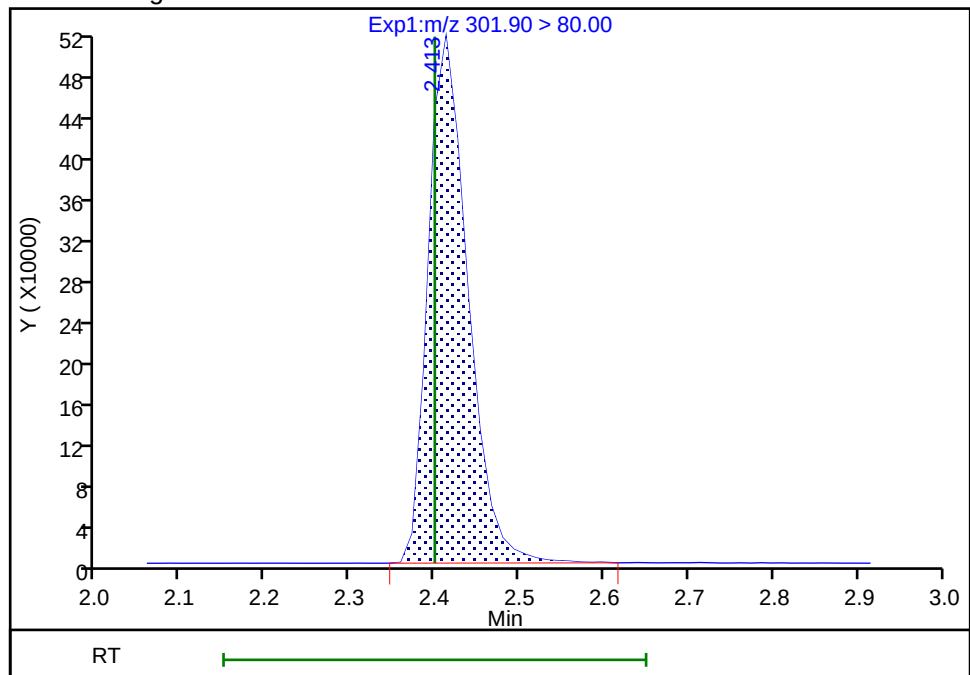
RT: 2.41
Area: 1675197
Amount: 0.997655
Amount Units: ng/ml

Processing Integration Results



RT: 2.41
Area: 1673401
Amount: 0.996585
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 09:39:07

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

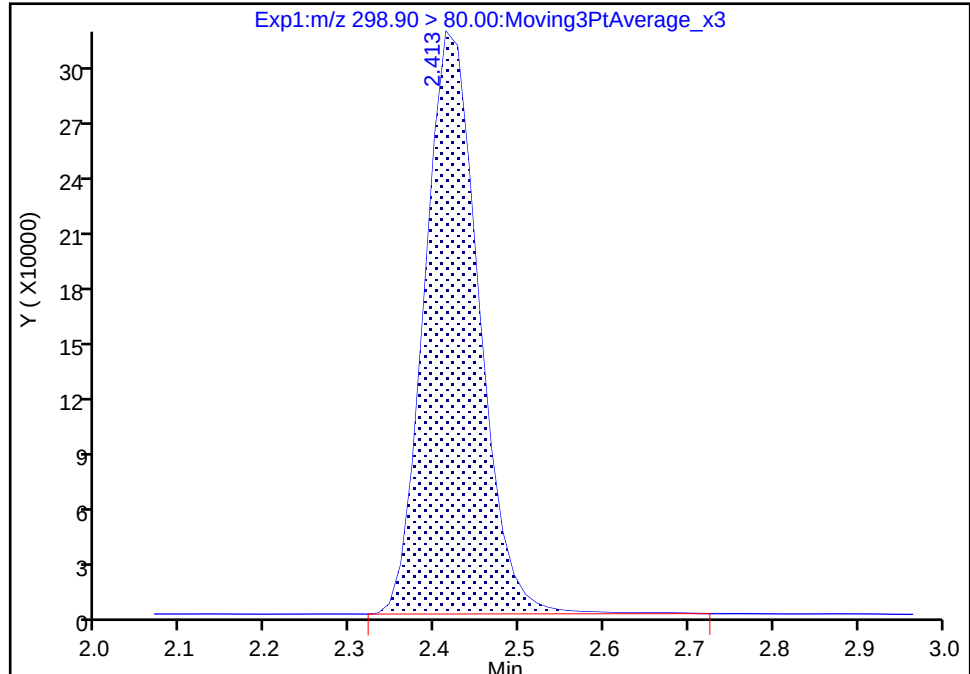
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B25.d
Injection Date: 11-Aug-2022 21:47:39 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

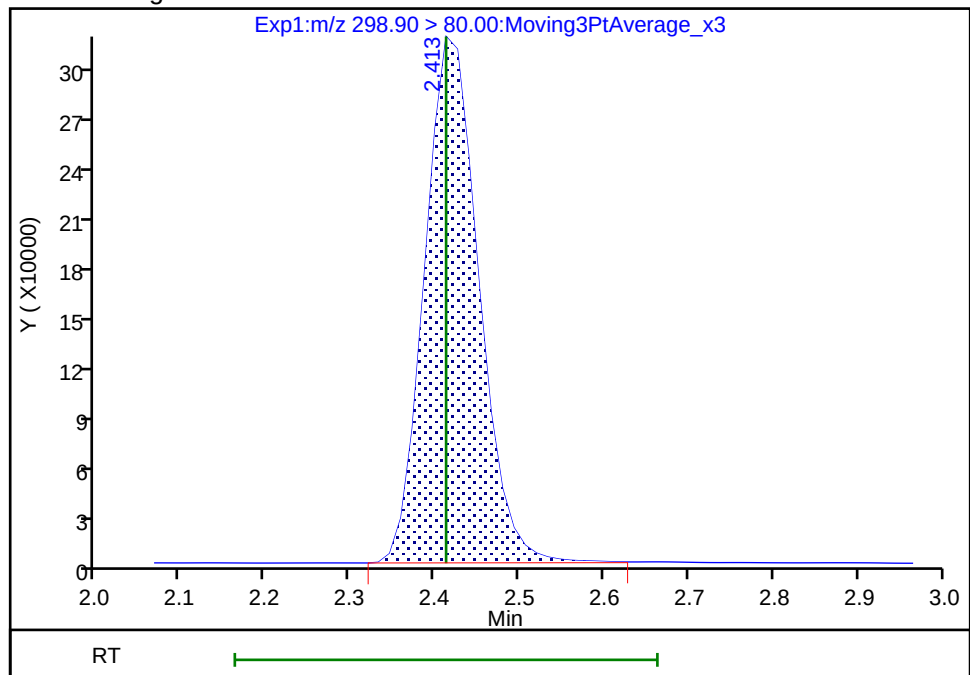
RT: 2.41
Area: 1400022
Amount: 0.881090
Amount Units: ng/ml

Processing Integration Results



RT: 2.41
Area: 1398154
Amount: 0.879915
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 09:41:06
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

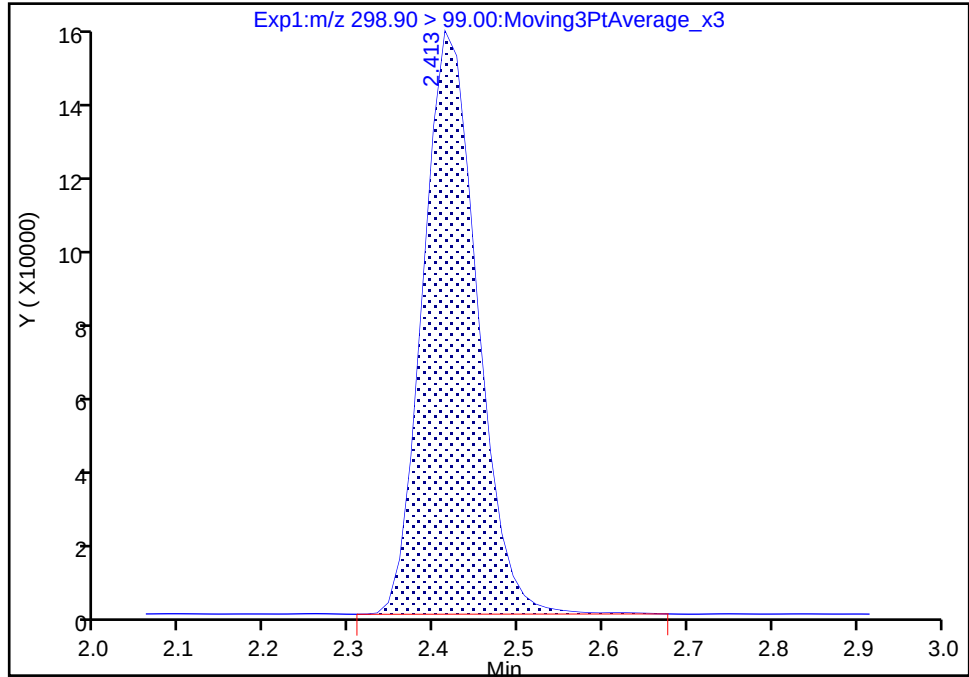
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B25.d
Injection Date: 11-Aug-2022 21:47:39 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

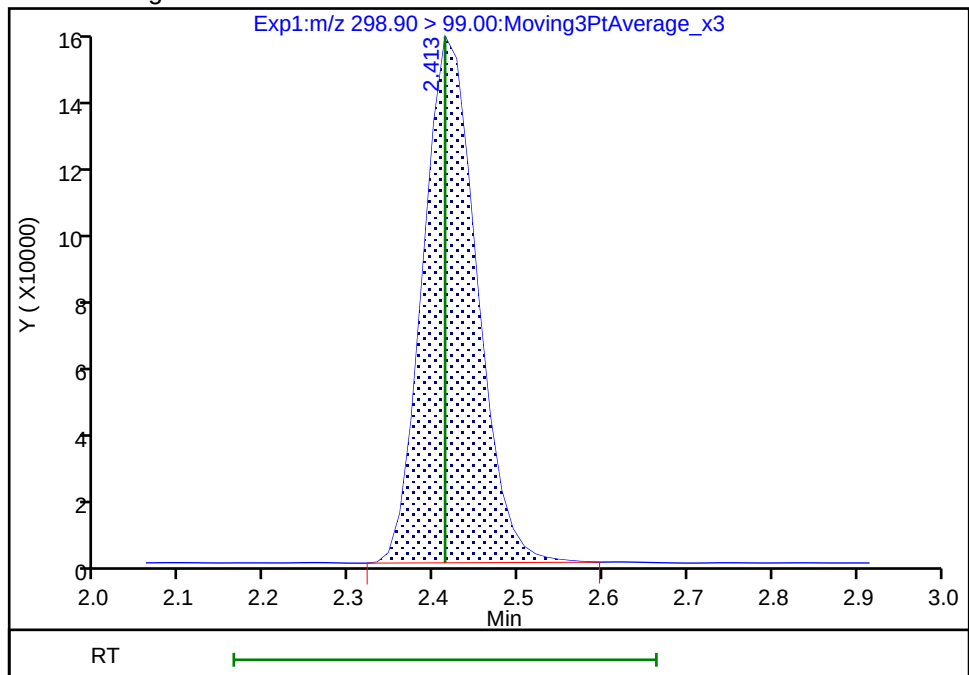
RT: 2.41
Area: 668652
Amount: 0.881090
Amount Units: ng/ml

Processing Integration Results



RT: 2.41
Area: 665978
Amount: 0.879915
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 09:41:12

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

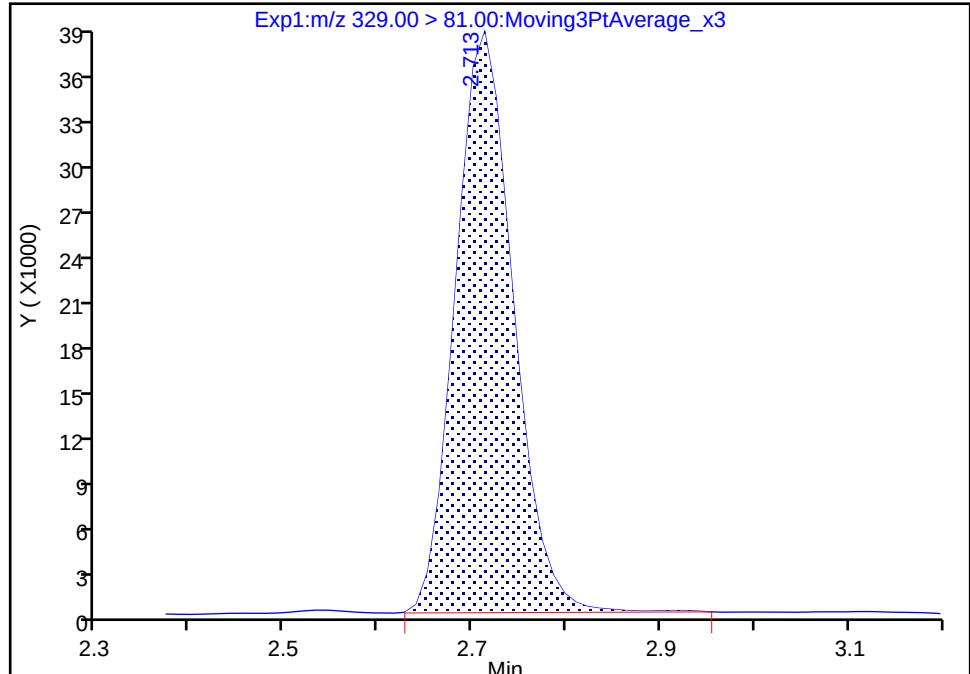
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B25.d
Injection Date: 11-Aug-2022 21:47:39 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

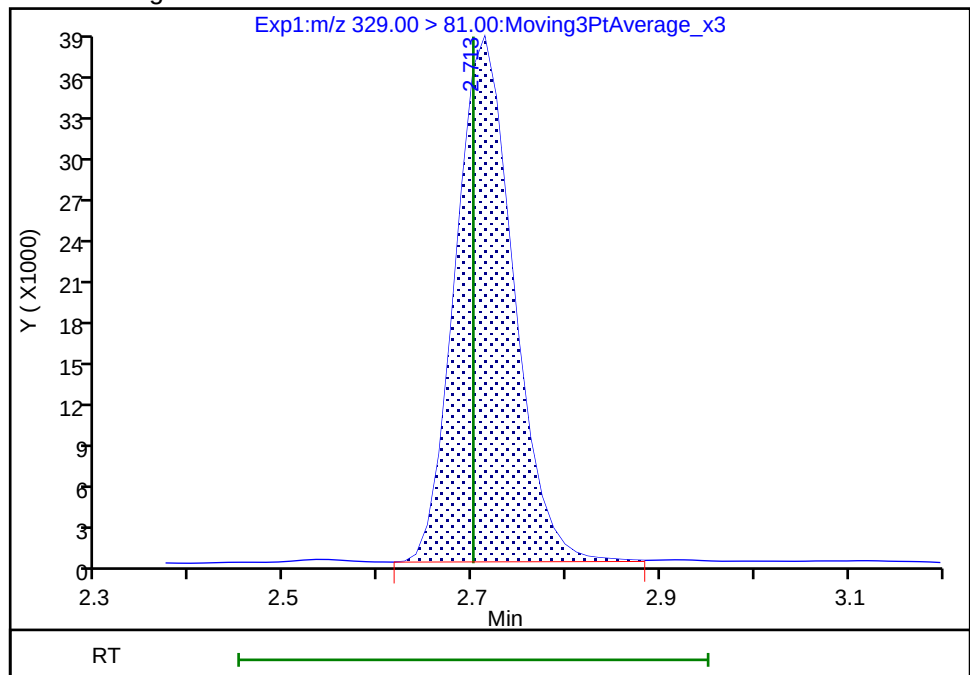
RT: 2.71
Area: 165444
Amount: 1.144501
Amount Units: ng/ml

Processing Integration Results



RT: 2.71
Area: 165389
Amount: 1.144120
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 09:39:17

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

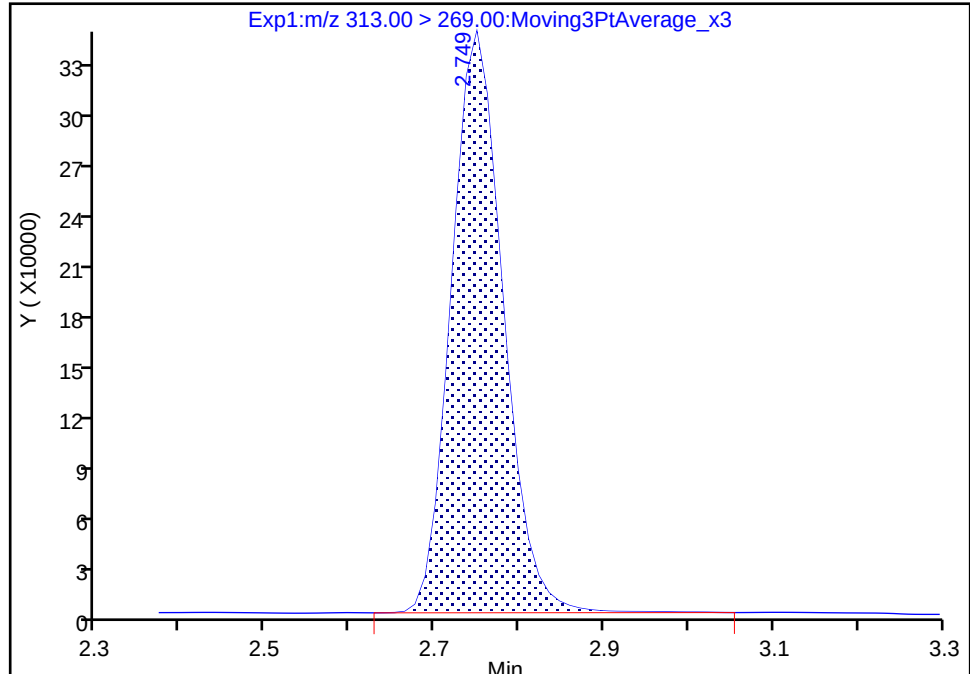
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B25.d
Injection Date: 11-Aug-2022 21:47:39 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

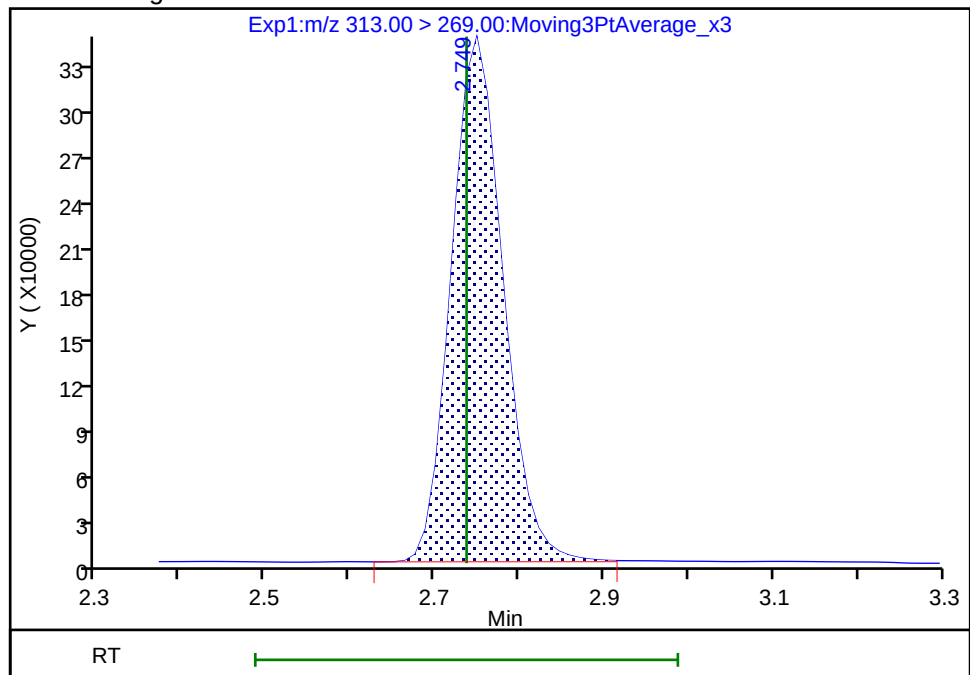
RT: 2.75
Area: 1446186
Amount: 0.989928
Amount Units: ng/ml

Processing Integration Results



RT: 2.75
Area: 1443144
Amount: 0.987845
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 09:41:33

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

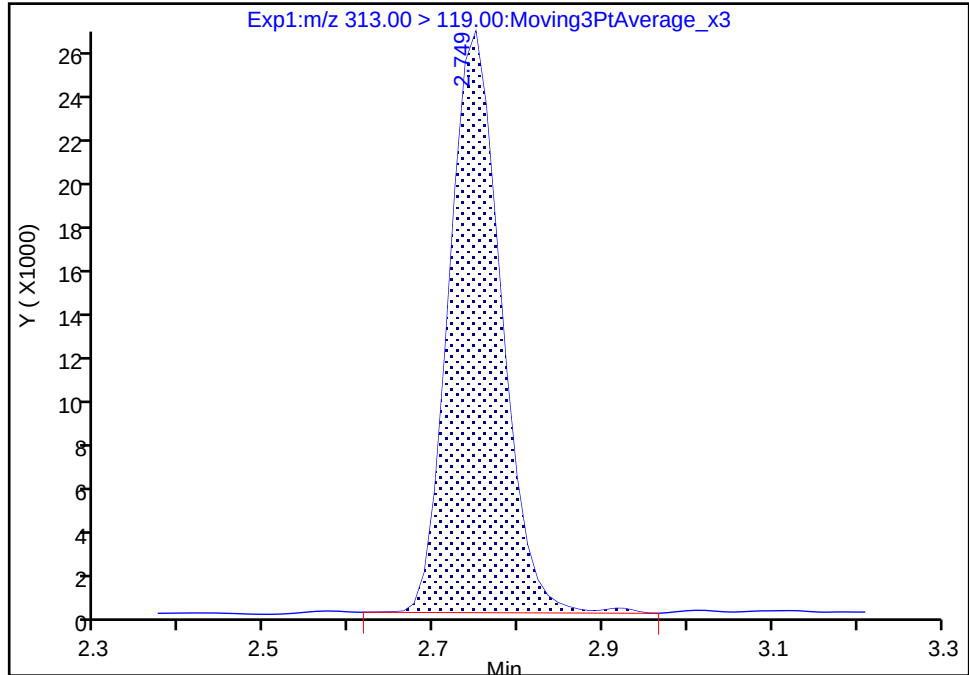
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B25.d
Injection Date: 11-Aug-2022 21:47:39 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

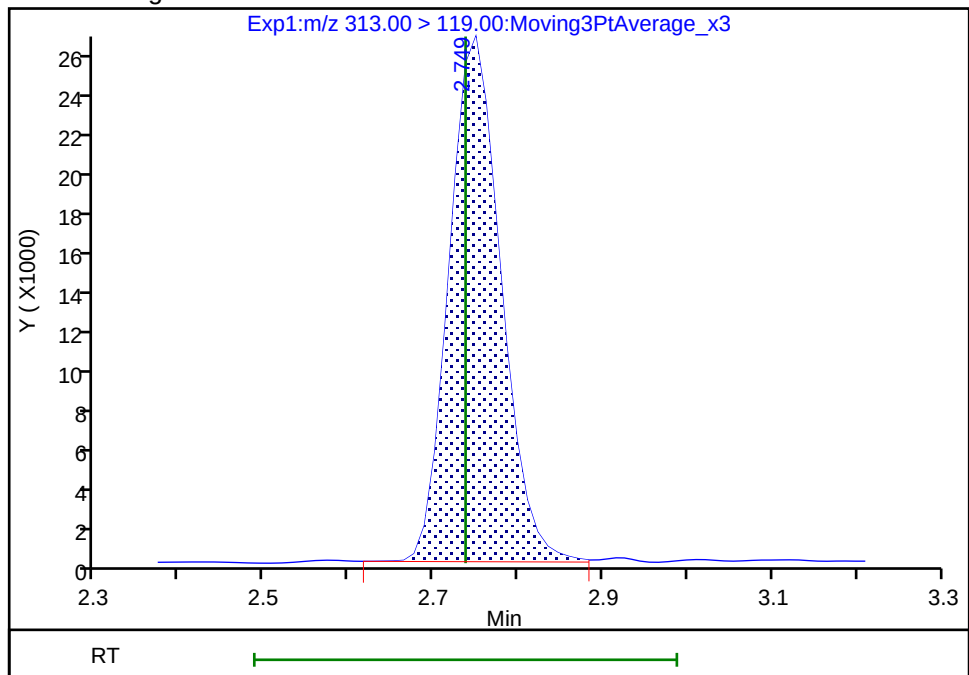
RT: 2.75
Area: 113457
Amount: 0.989928
Amount Units: ng/ml

Processing Integration Results



RT: 2.75
Area: 112879
Amount: 0.987845
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 09:41:35

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

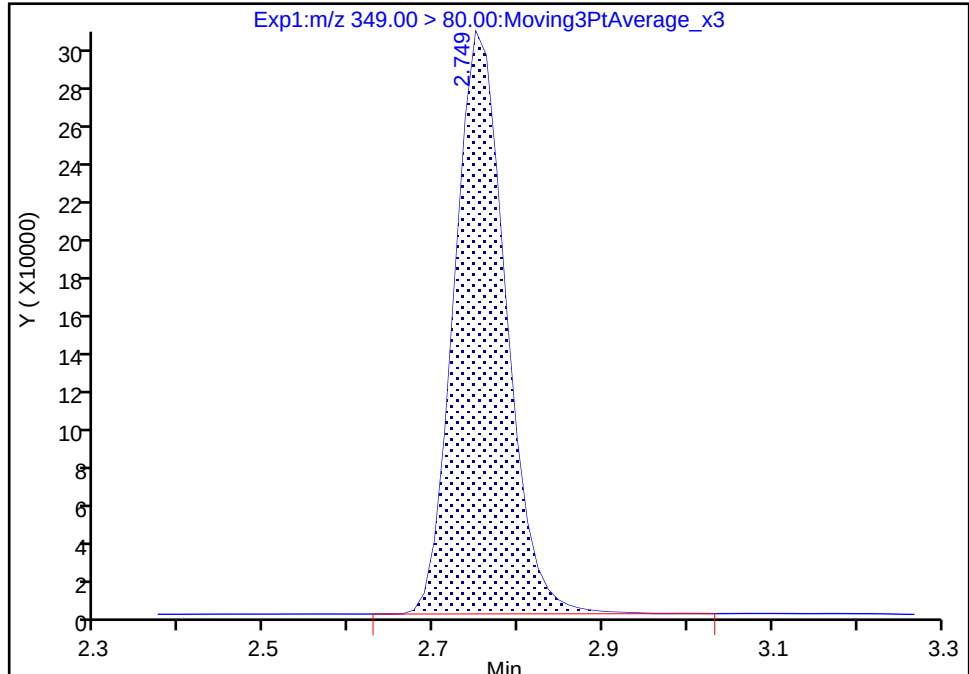
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B25.d
Injection Date: 11-Aug-2022 21:47:39 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 1

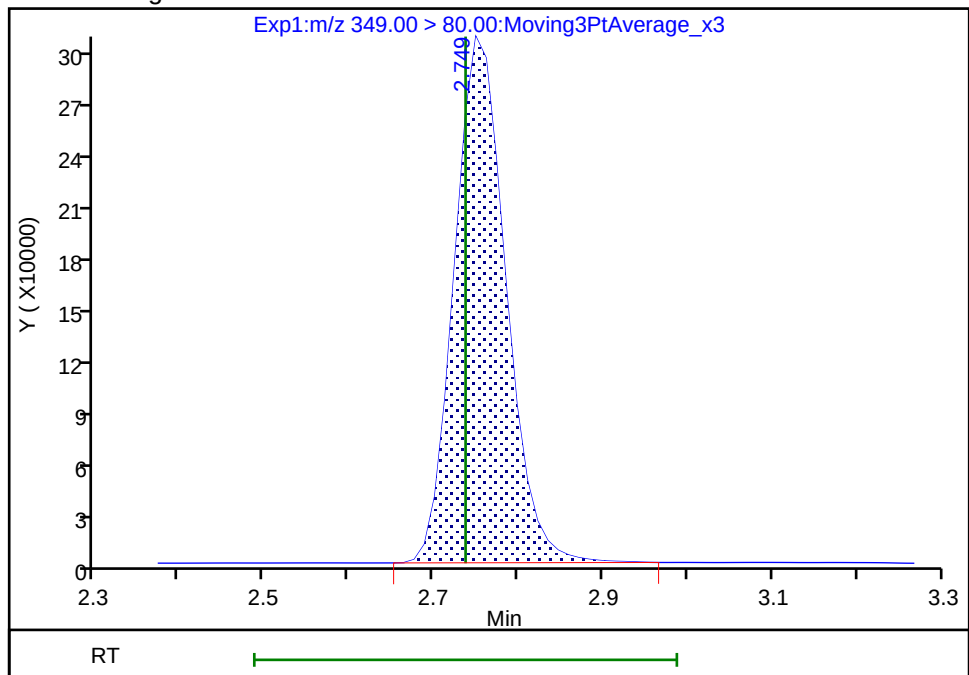
RT: 2.75
Area: 1290073
Amount: 0.879335
Amount Units: ng/ml

Processing Integration Results



RT: 2.75
Area: 1288927
Amount: 0.878554
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 09:41:45
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

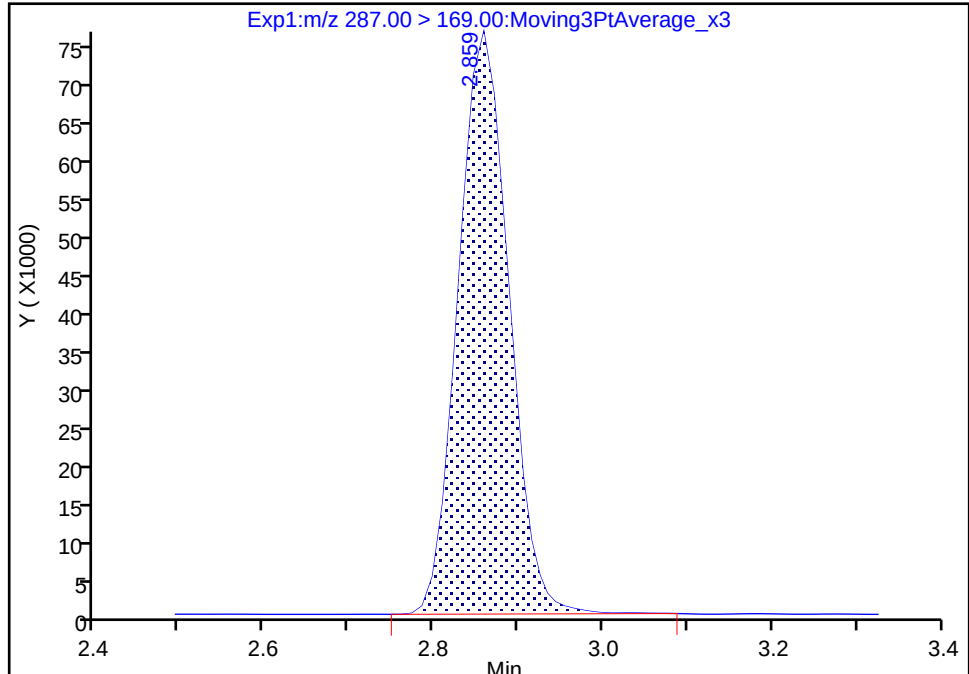
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B25.d
Injection Date: 11-Aug-2022 21:47:39 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 64 13C3 HFPO-DA, CAS: STL02255

Signal: 1

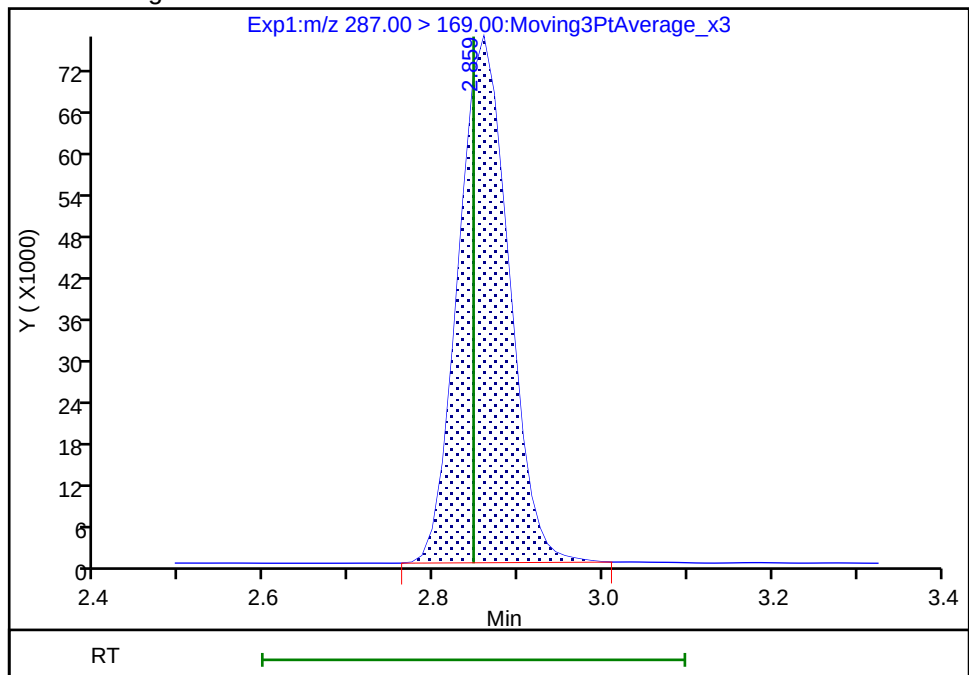
RT: 2.86
Area: 317962
Amount: 1.166013
Amount Units: ng/ml

Processing Integration Results



RT: 2.86
Area: 317083
Amount: 1.162790
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 09:39:30

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

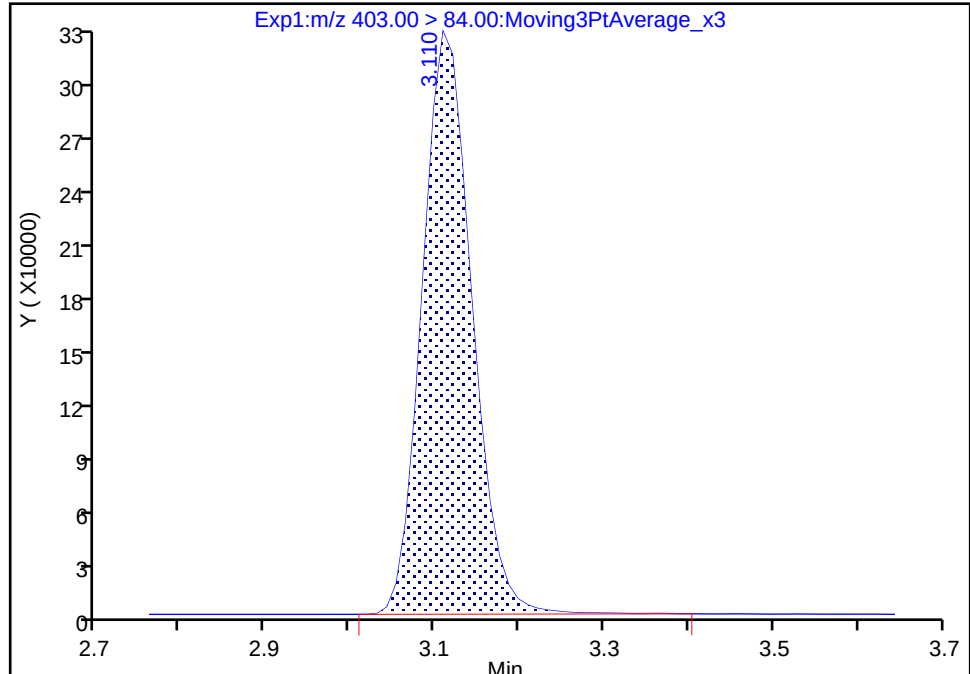
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B25.d
Injection Date: 11-Aug-2022 21:47:39 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 11 18O2 PFHxS, CAS: STL00994

Signal: 1

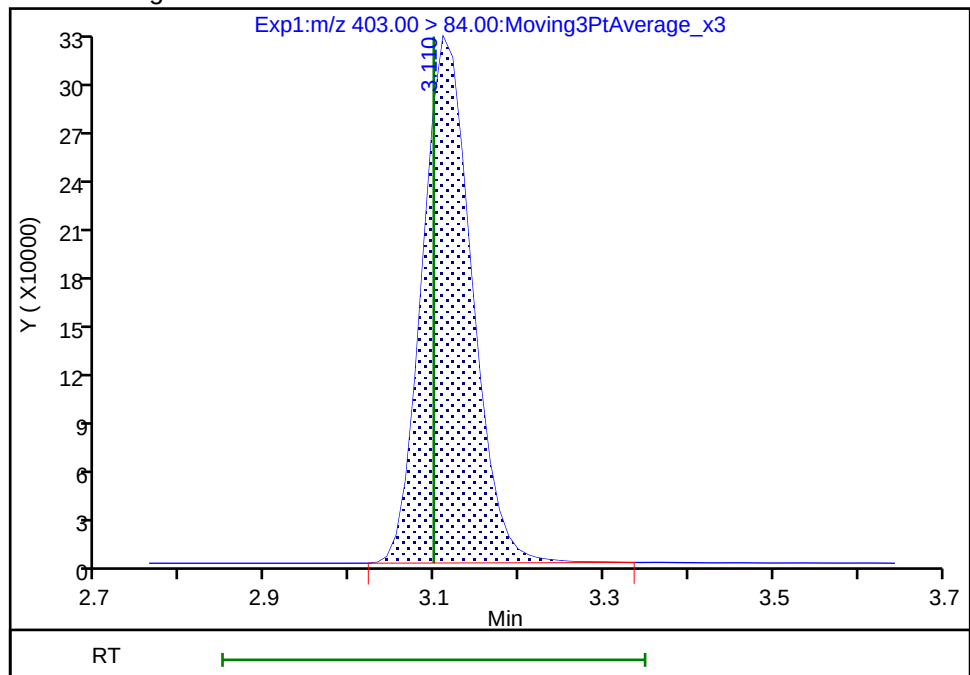
RT: 3.11
Area: 1340503
Amount: 1.135101
Amount Units: ng/ml

Processing Integration Results



RT: 3.11
Area: 1338004
Amount: 1.132985
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 09:39:37

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

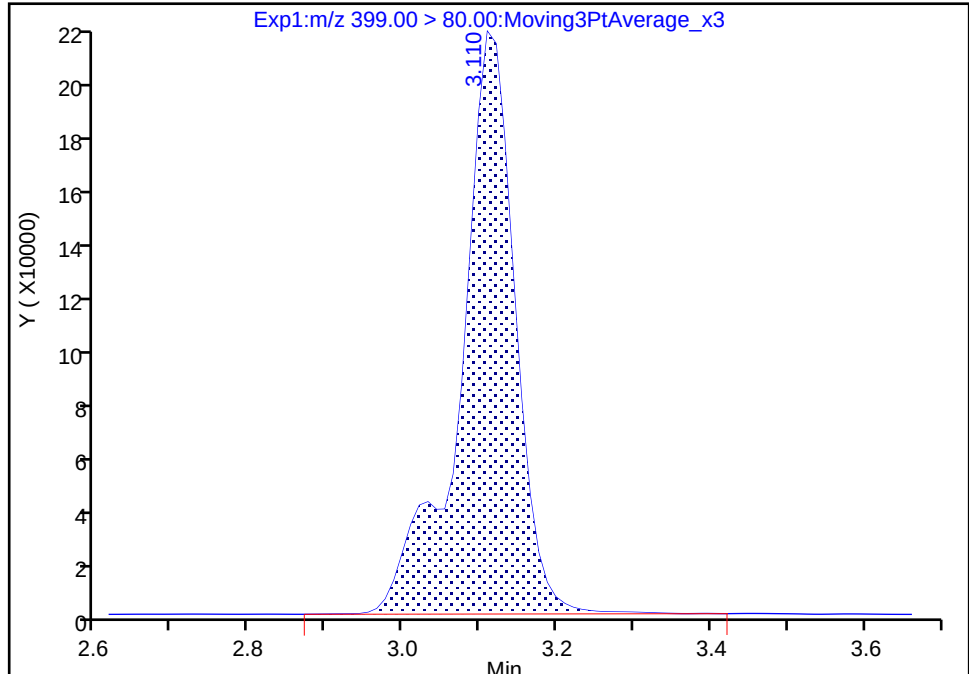
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B25.d
Injection Date: 11-Aug-2022 21:47:39 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

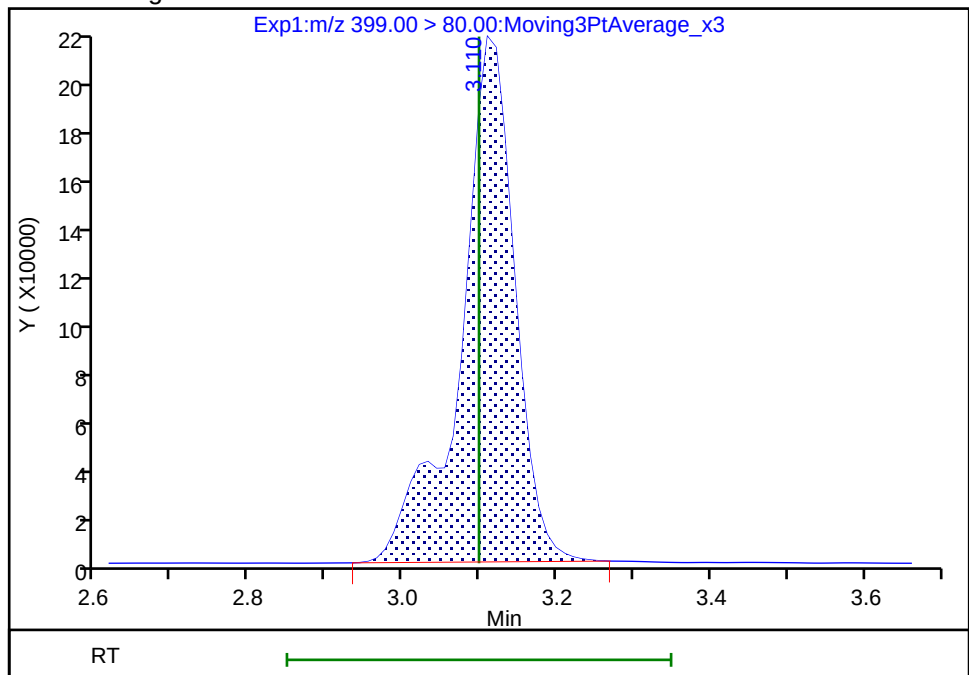
RT: 3.11
Area: 1051283
Amount: 0.842386
Amount Units: ng/ml

Processing Integration Results



RT: 3.11
Area: 1040868
Amount: 0.834041
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 09:41:54
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

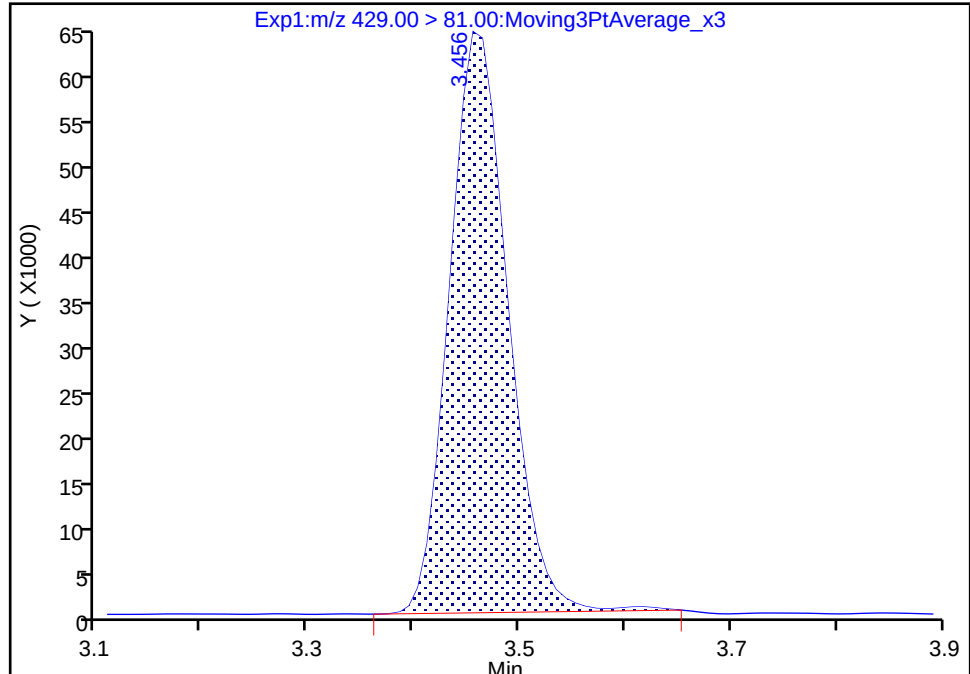
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B25.d
Injection Date: 11-Aug-2022 21:47:39 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

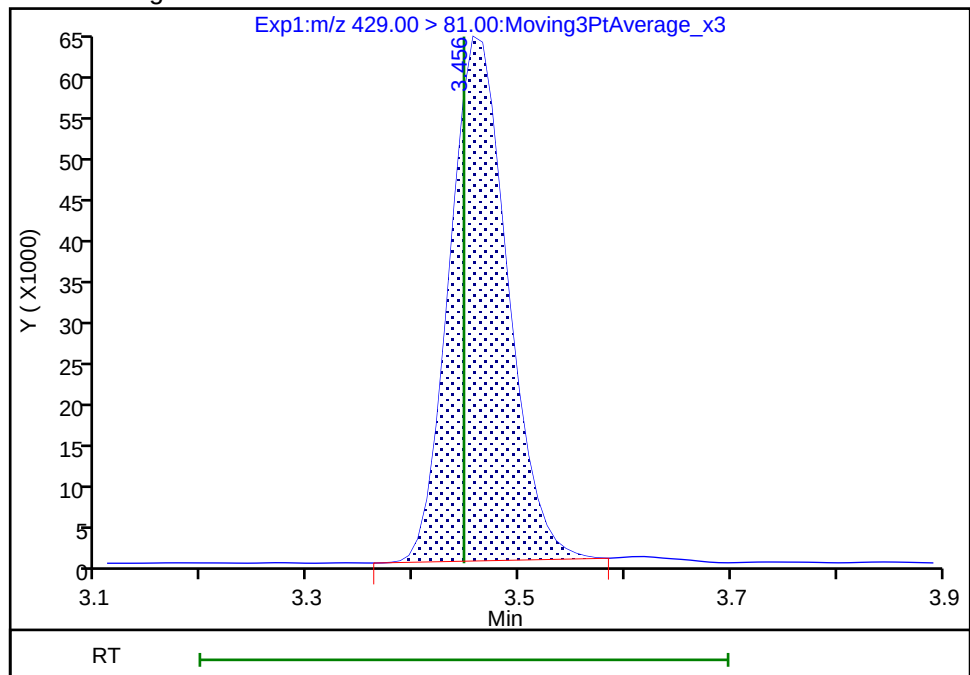
RT: 3.46
Area: 248035
Amount: 1.254867
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 245305
Amount: 1.241055
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 08:17:05

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

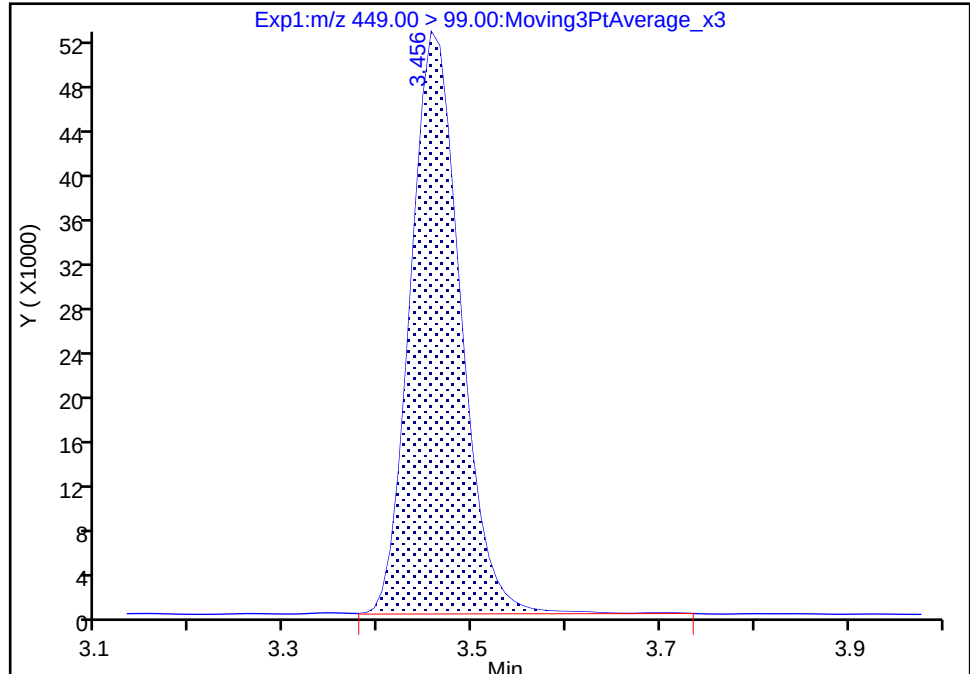
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B25.d
Injection Date: 11-Aug-2022 21:47:39 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

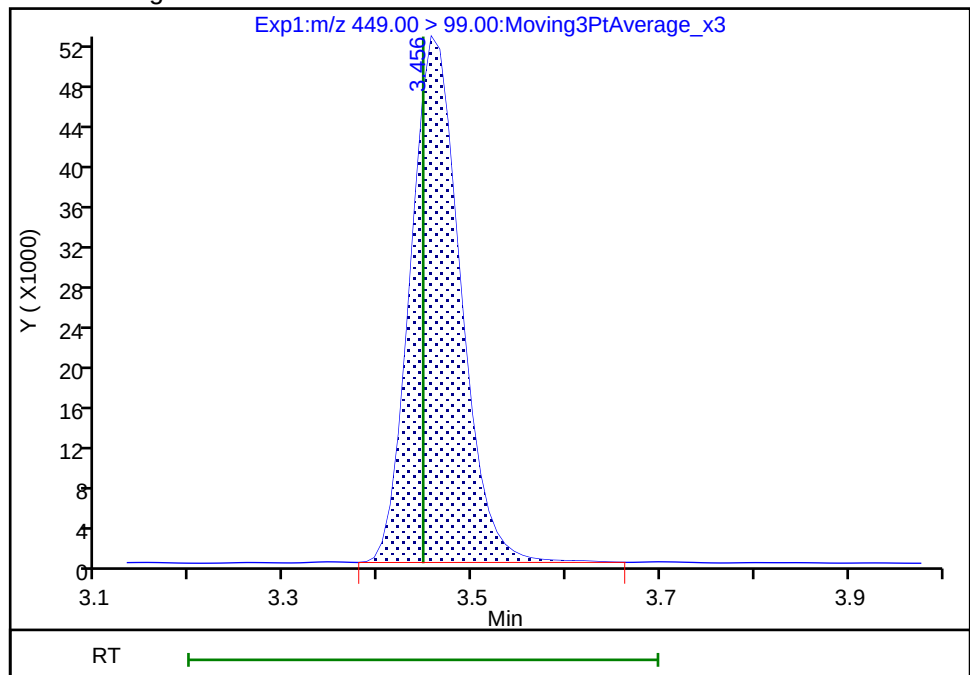
RT: 3.46
Area: 193175
Amount: 0.927159
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 192425
Amount: 0.924250
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 09:42:08
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

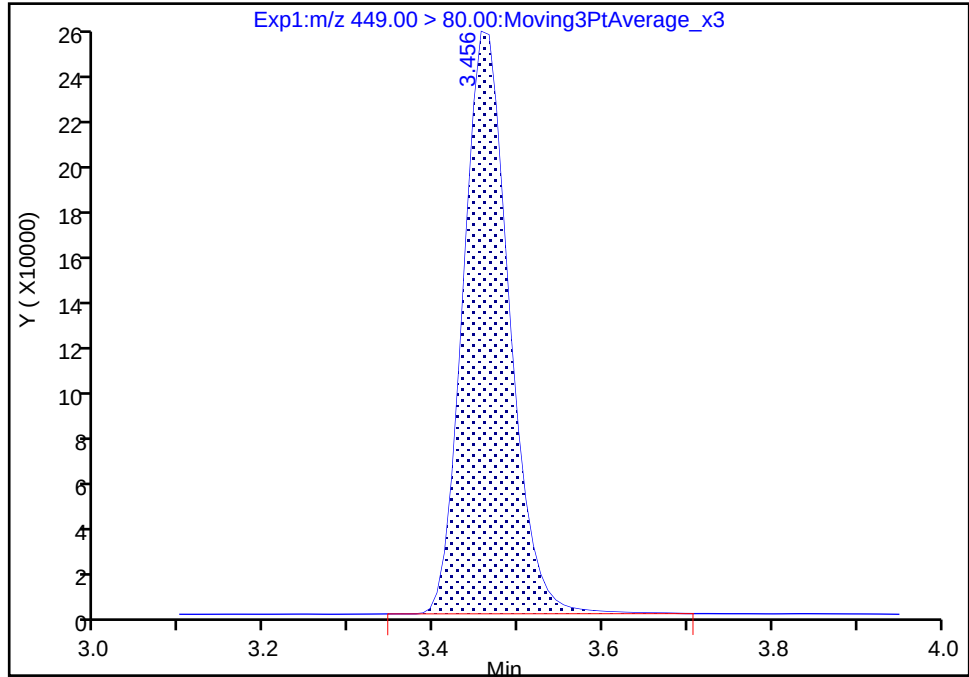
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B25.d
Injection Date: 11-Aug-2022 21:47:39 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

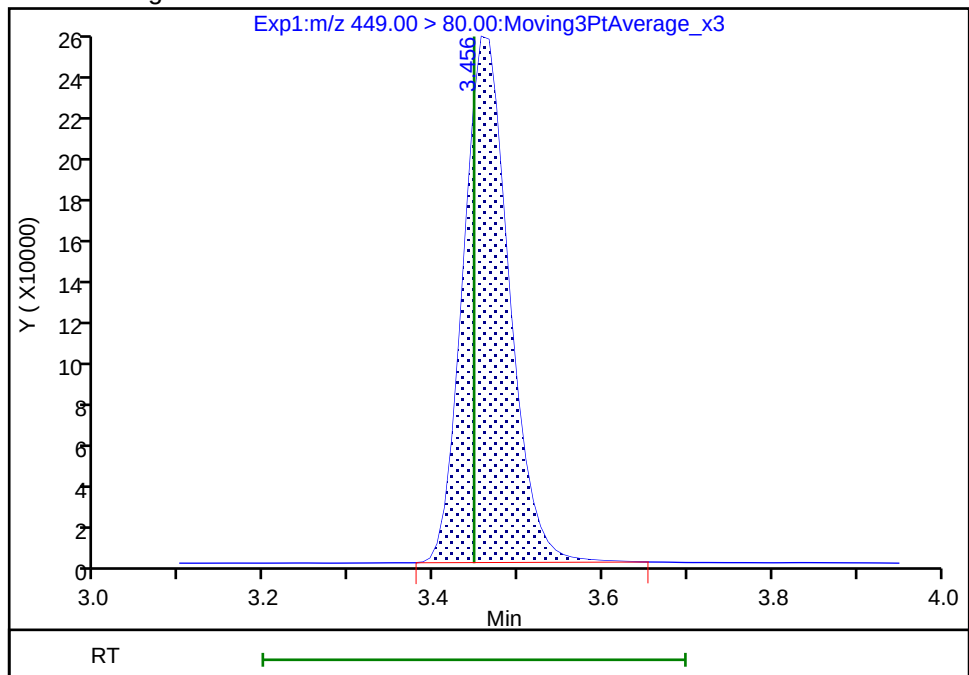
RT: 3.46
Area: 957403
Amount: 0.927159
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 954399
Amount: 0.924250
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 09:42:13

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

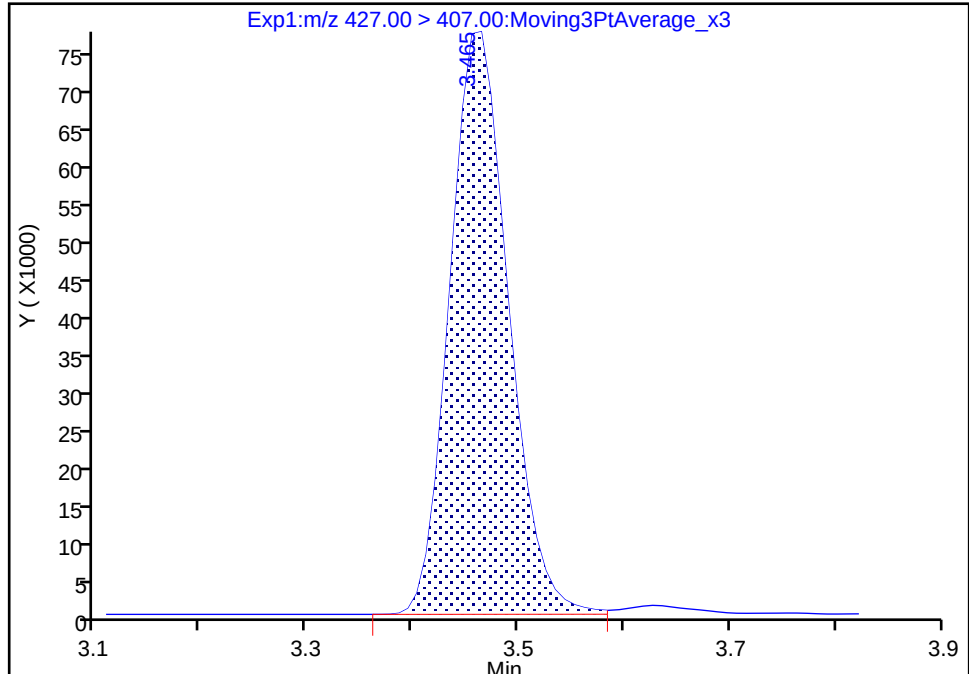
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B25.d
Injection Date: 11-Aug-2022 21:47:39 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

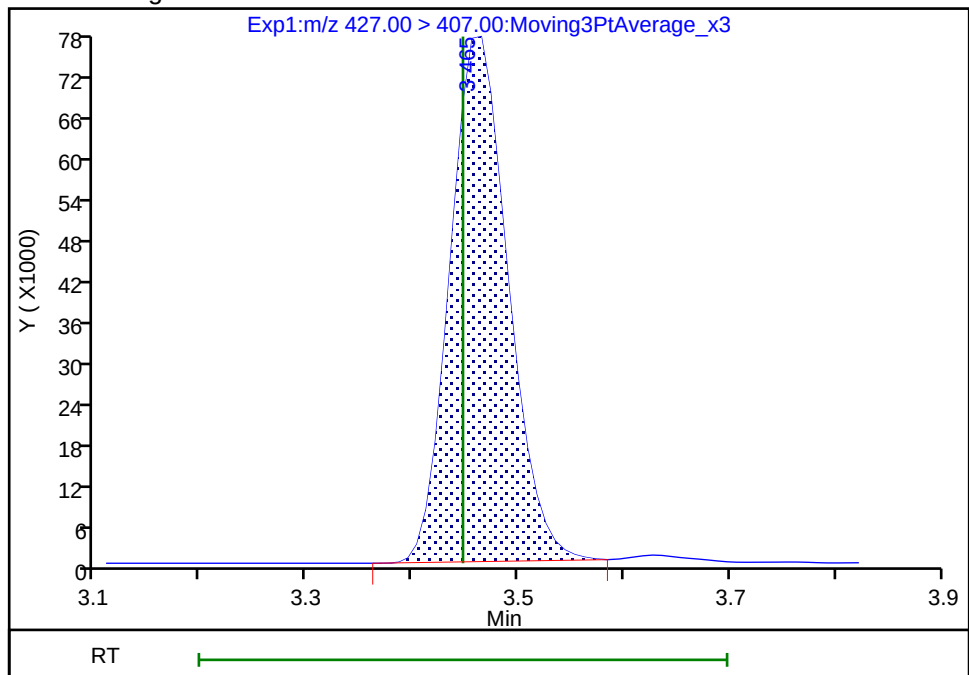
RT: 3.46
Area: 296535
Amount: 0.968304
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 293190
Amount: 0.957192
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 08:17:09
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1133 of 1695

08/18/2022

Eurofins Burlington

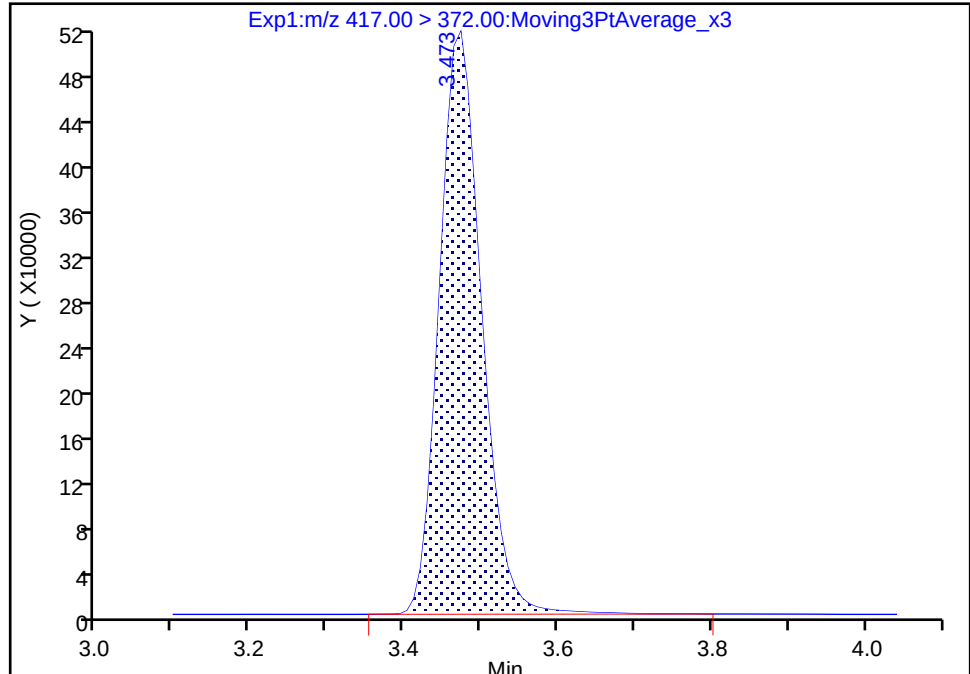
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B25.d
Injection Date: 11-Aug-2022 21:47:39 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 14 13C4 PFOA, CAS: STL00990

Signal: 1

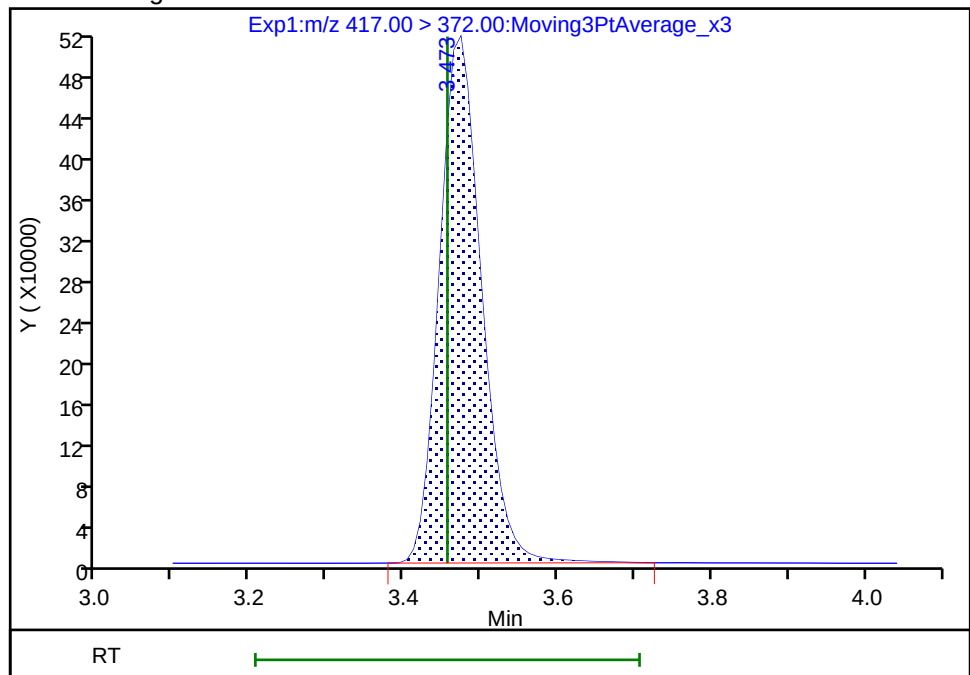
RT: 3.47
Area: 1954731
Amount: 1.269395
Amount Units: ng/ml

Processing Integration Results



RT: 3.47
Area: 1951148
Amount: 1.267068
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 09:39:56
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

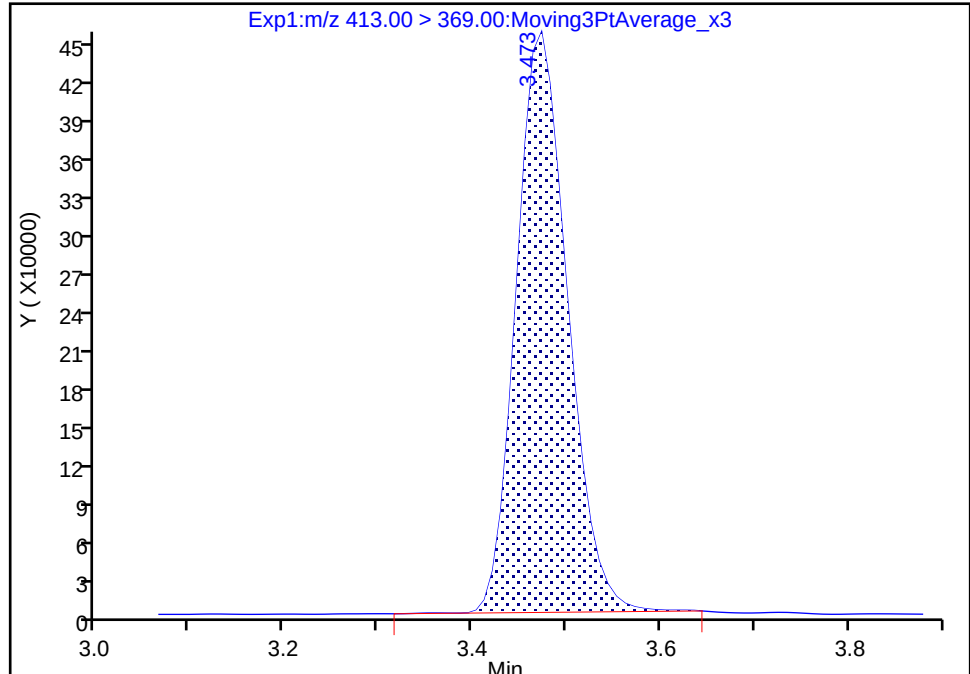
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B25.d
Injection Date: 11-Aug-2022 21:47:39 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

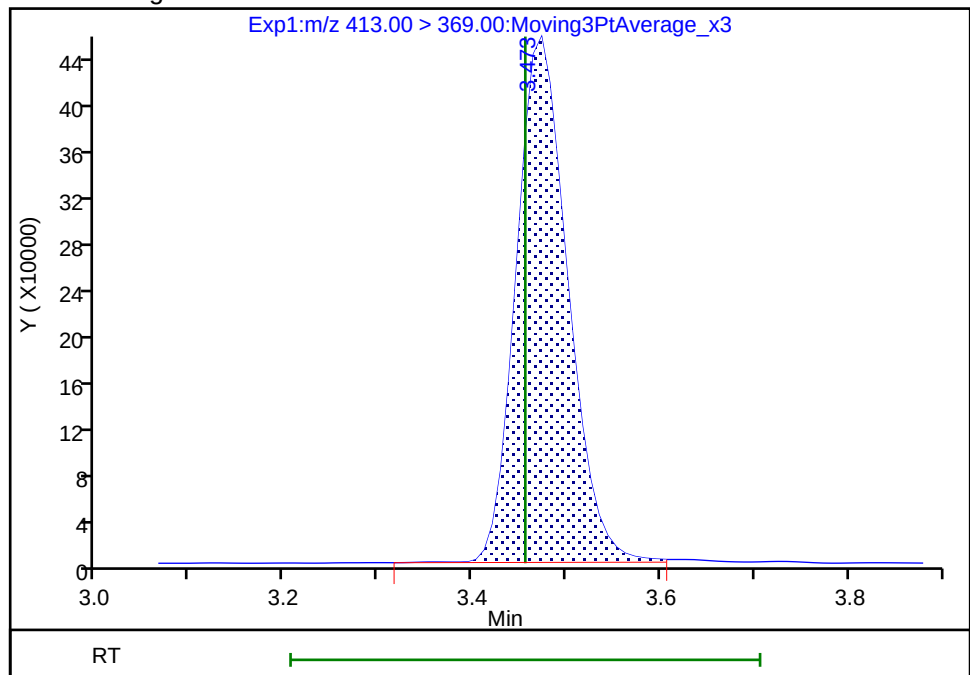
RT: 3.47
Area: 1691827
Amount: 0.966531
Amount Units: ng/ml

Processing Integration Results



RT: 3.47
Area: 1703280
Amount: 0.973074
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 09:42:20
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B25.d

Injection Date: 11-Aug-2022 21:47:39

Instrument ID: LC812

Lims ID: CCV L4

Client ID:

Operator ID: lc812tech

ALS Bottle#:

25

Worklist Smp#: 25

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

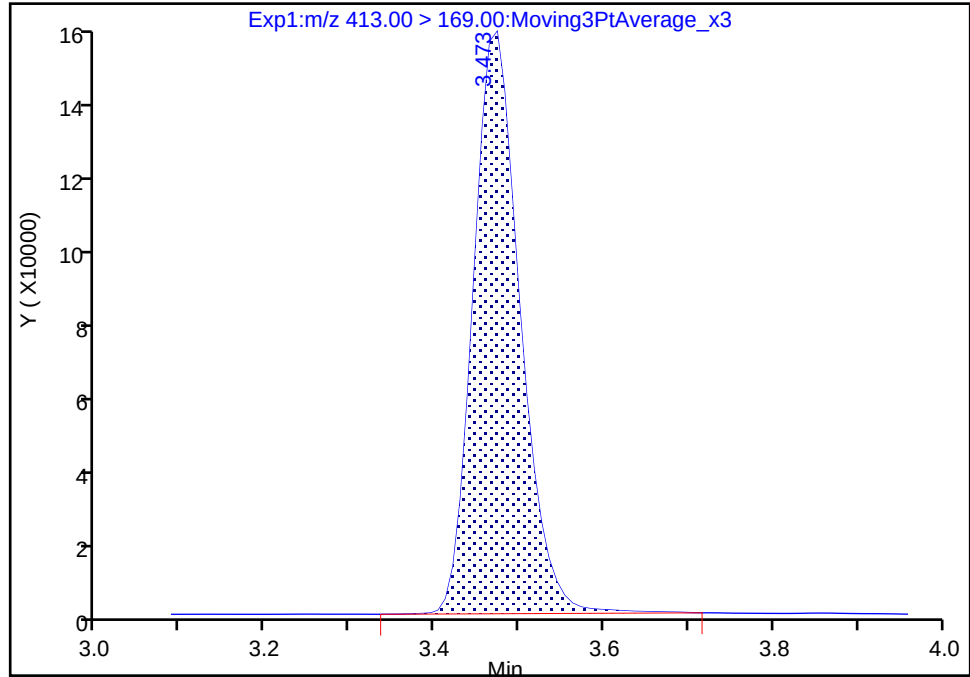
EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

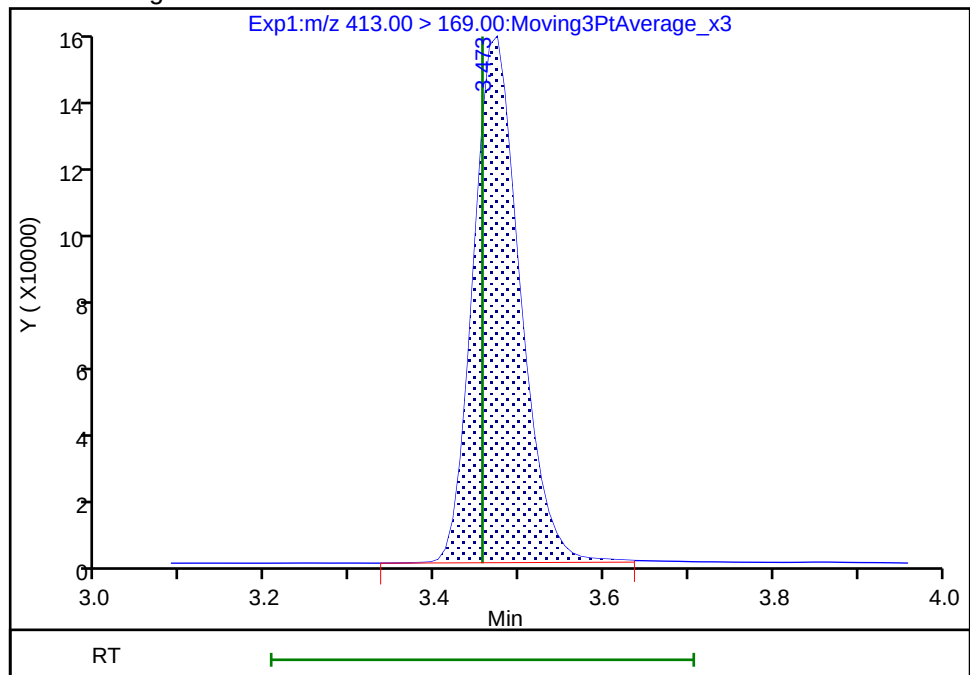
RT: 3.47
Area: 610798
Amount: 0.966531
Amount Units: ng/ml

Processing Integration Results



RT: 3.47
Area: 609695
Amount: 0.973074
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 09:42:31

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

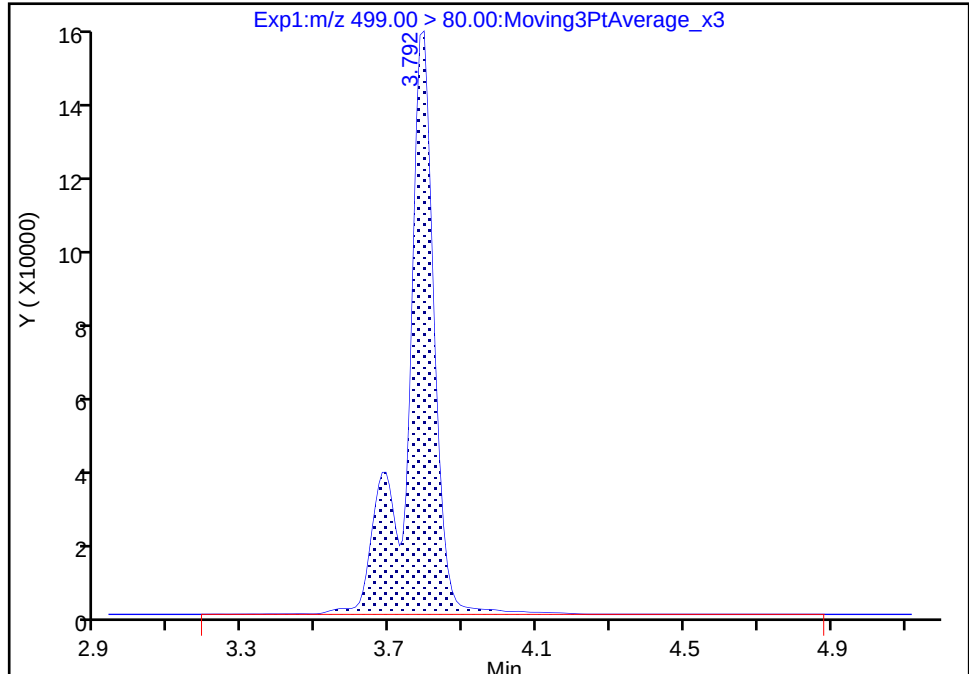
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B25.d
Injection Date: 11-Aug-2022 21:47:39 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

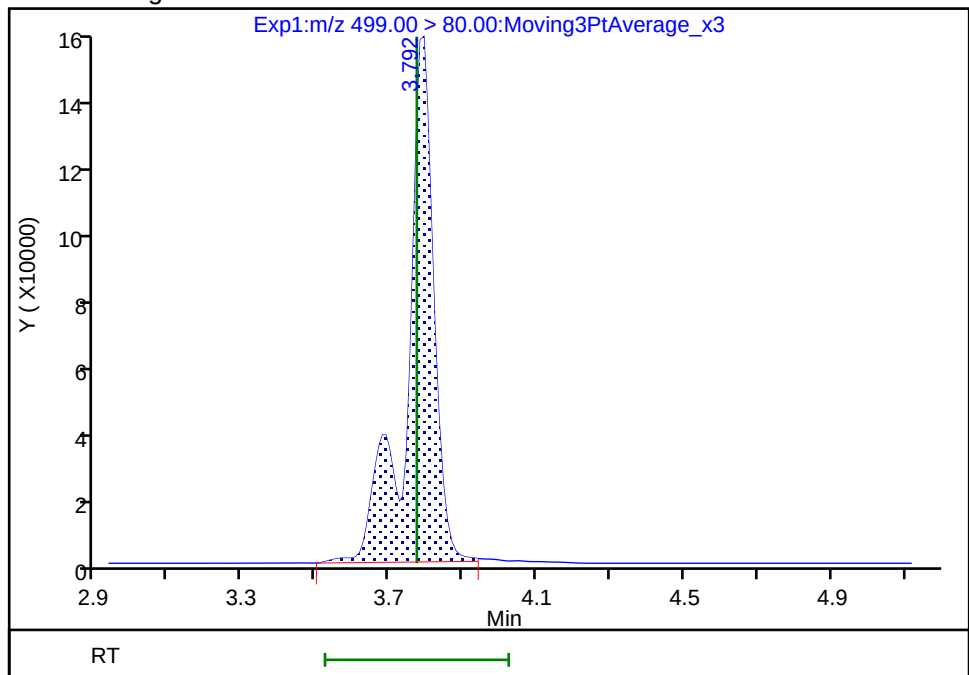
RT: 3.79
Area: 786500
Amount: 0.927724
Amount Units: ng/ml

Processing Integration Results



RT: 3.79
Area: 767697
Amount: 0.905103
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 09:42:59
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1137 of 1695

08/18/2022

Eurofins Burlington

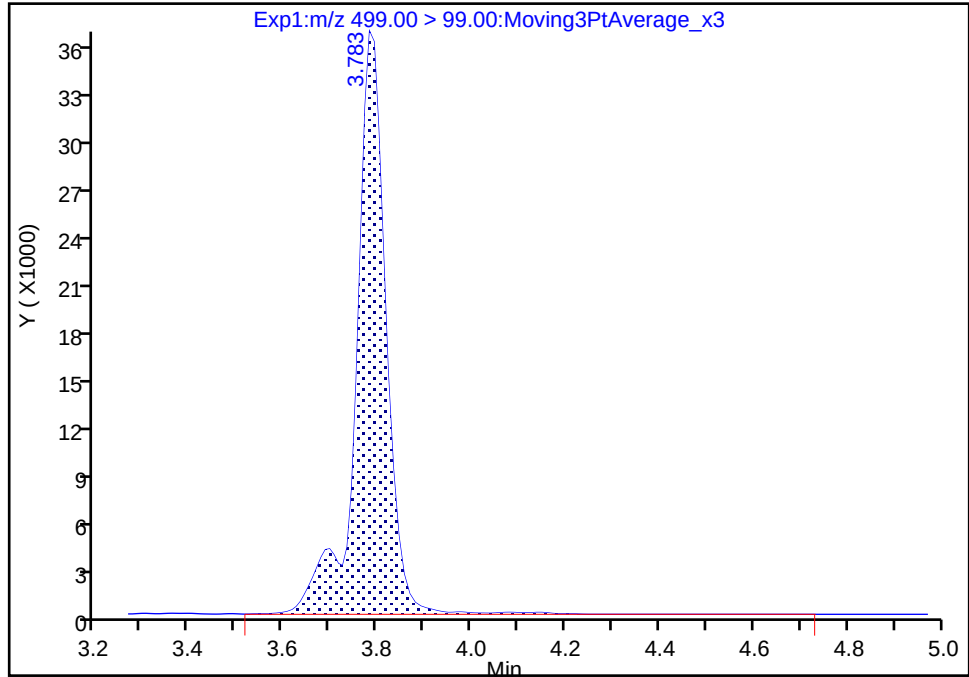
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B25.d
Injection Date: 11-Aug-2022 21:47:39 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

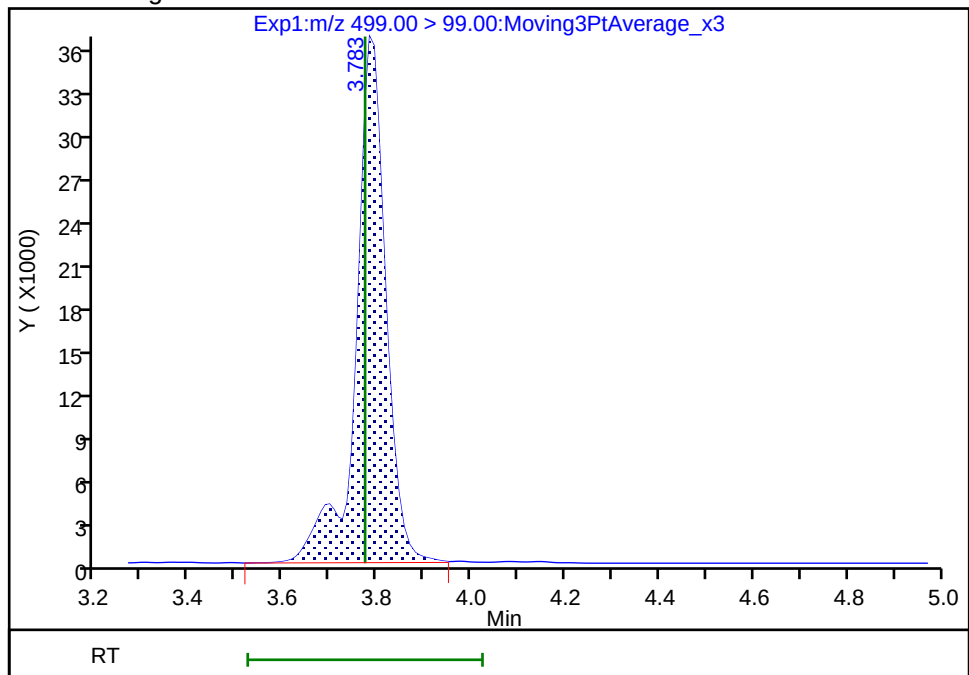
RT: 3.78
Area: 163916
Amount: 0.927724
Amount Units: ng/ml

Processing Integration Results



RT: 3.78
Area: 161684
Amount: 0.905103
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 09:43:14

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

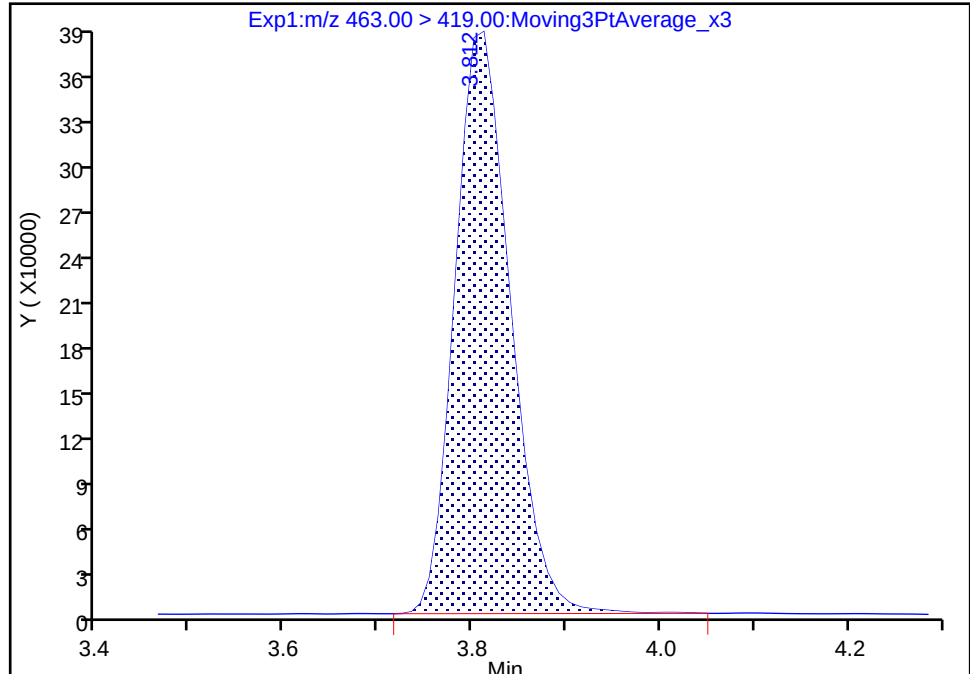
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B25.d
Injection Date: 11-Aug-2022 21:47:39 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

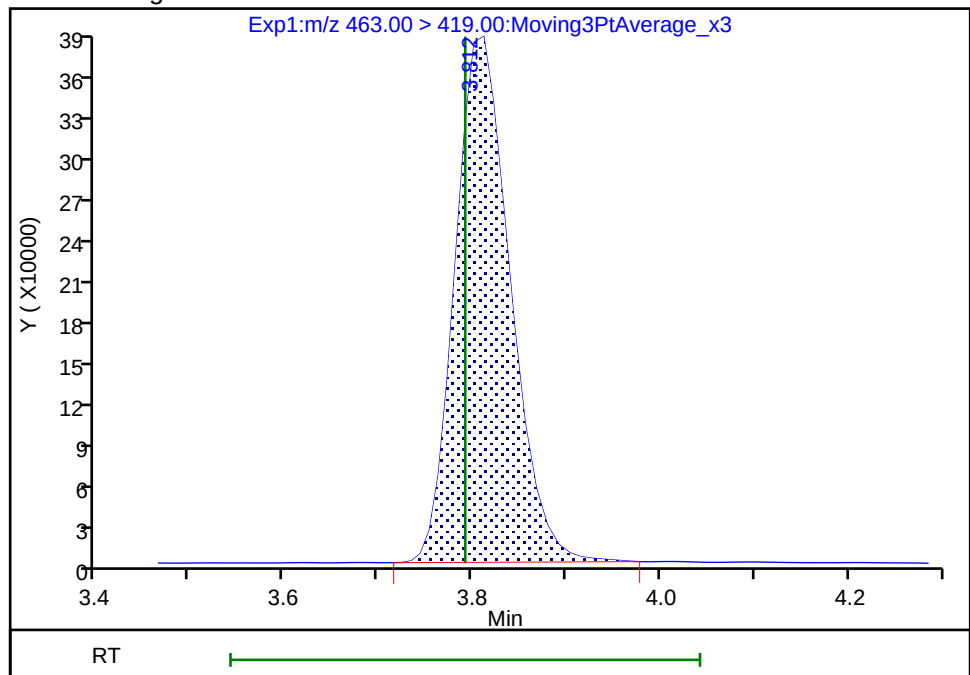
RT: 3.81
Area: 1550937
Amount: 0.949628
Amount Units: ng/ml

Processing Integration Results



RT: 3.81
Area: 1544798
Amount: 0.945869
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 09:43:22

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

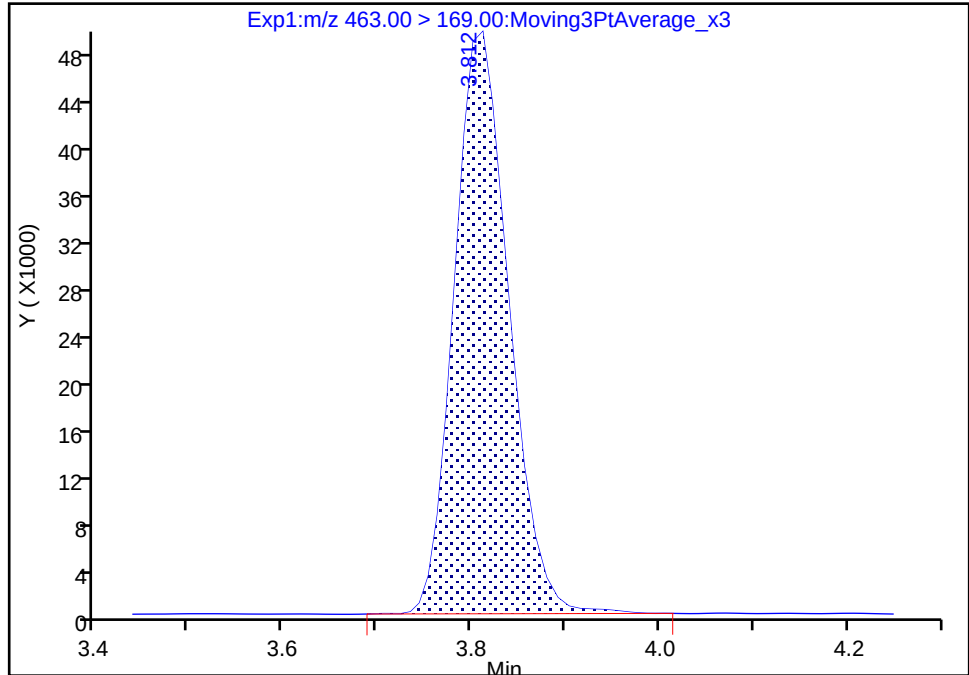
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B25.d
Injection Date: 11-Aug-2022 21:47:39 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

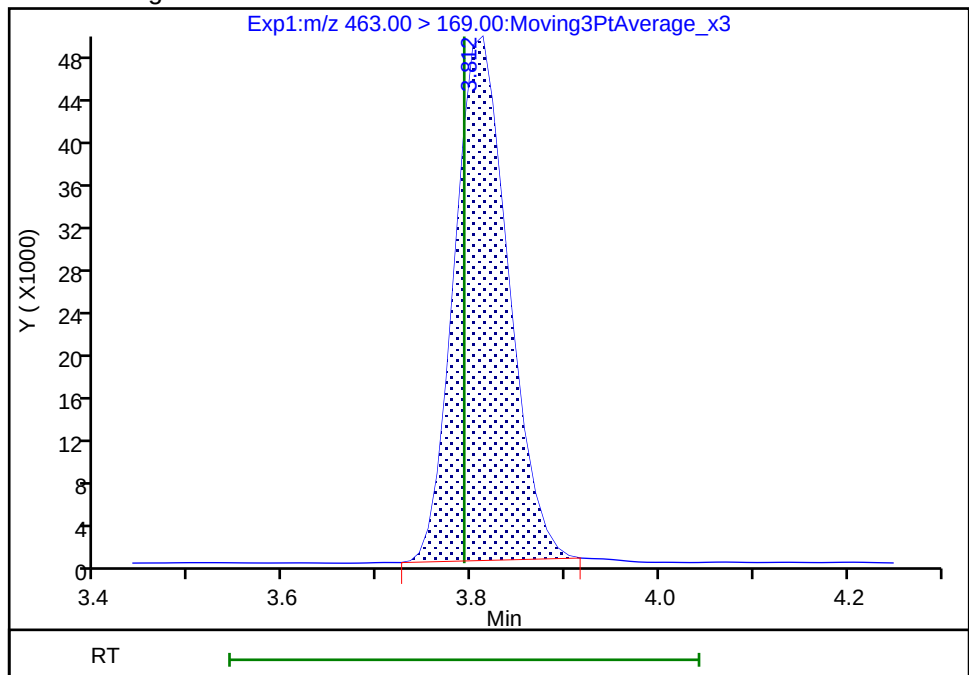
RT: 3.81
Area: 199621
Amount: 0.949628
Amount Units: ng/ml

Processing Integration Results



RT: 3.81
Area: 195987
Amount: 0.945869
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 08:17:25

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

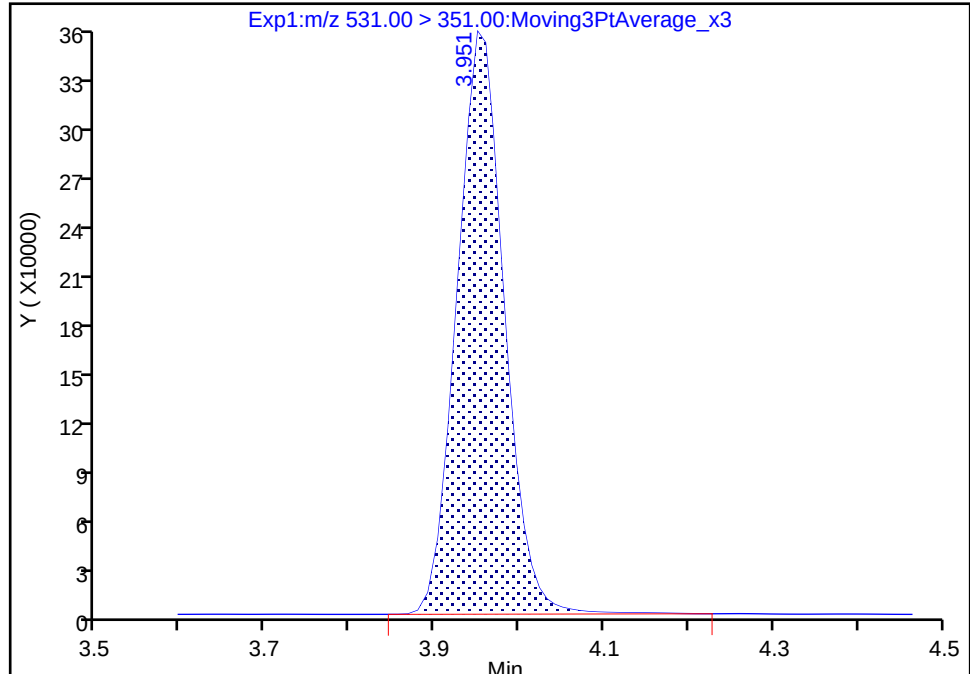
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B25.d
Injection Date: 11-Aug-2022 21:47:39 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

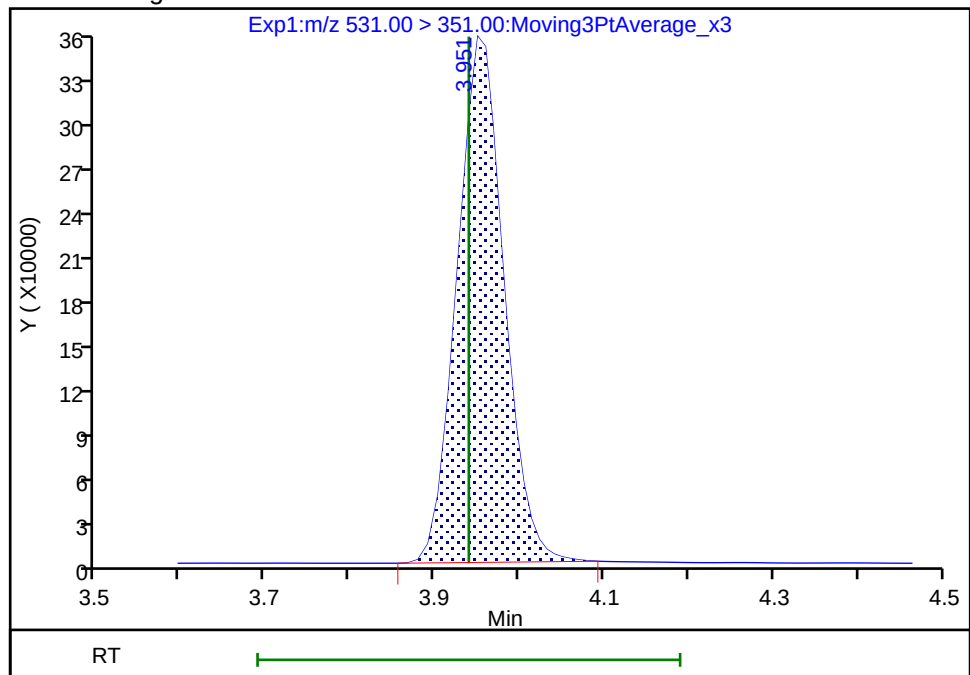
RT: 3.95
Area: 1367340
Amount: 0.926499
Amount Units: ng/ml

Processing Integration Results



RT: 3.95
Area: 1355653
Amount: 0.918580
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 08:17:33
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1141 of 1695

08/18/2022

Eurofins Burlington

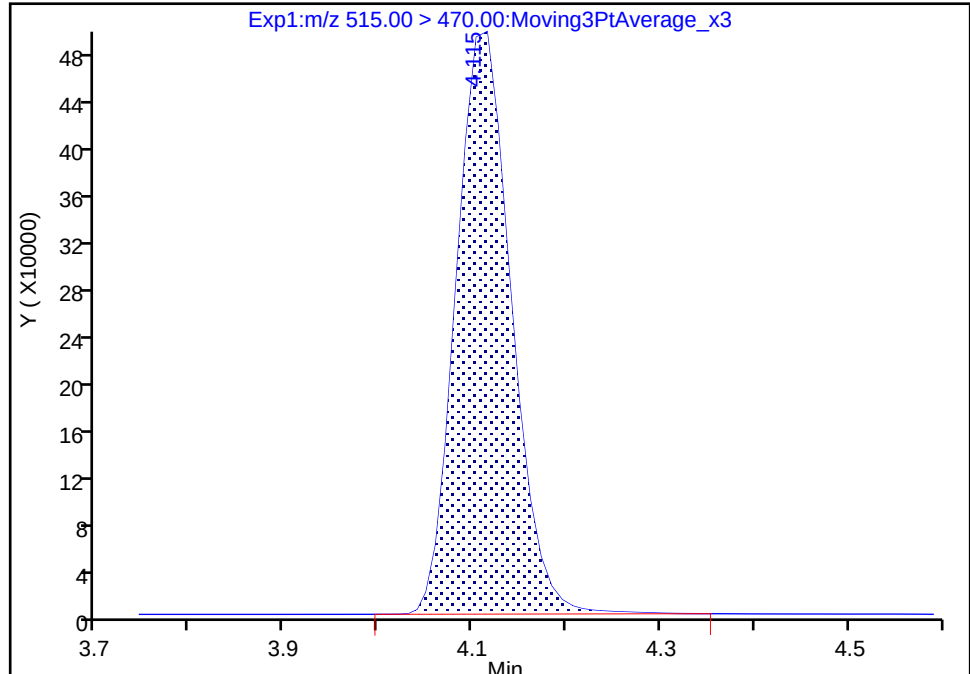
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B25.d
Injection Date: 11-Aug-2022 21:47:39 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 23 13C2 PFDA, CAS: STL00996

Signal: 1

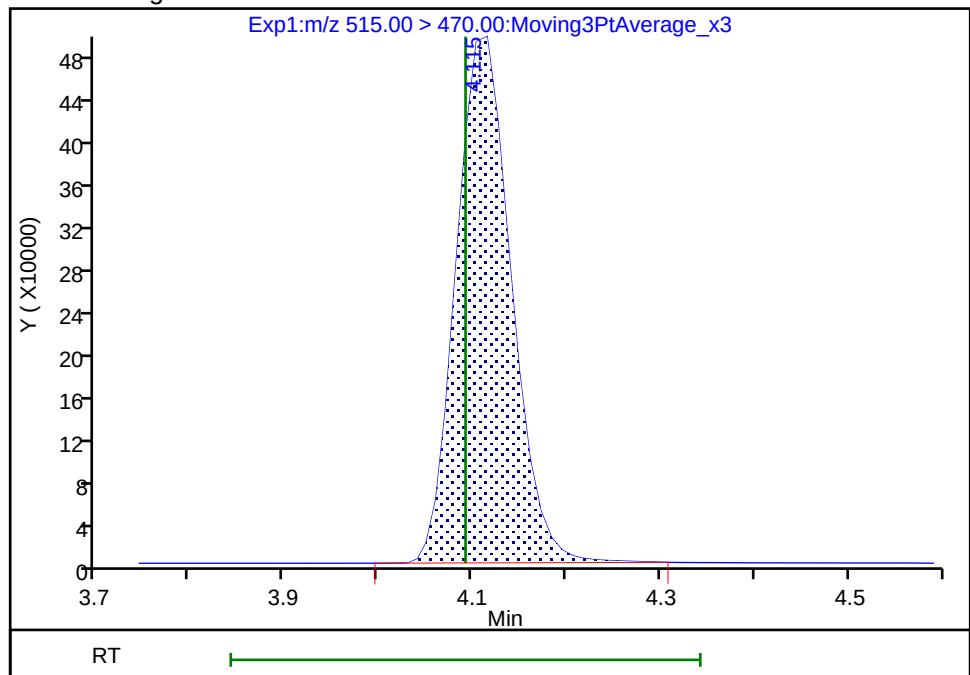
RT: 4.12
Area: 2005650
Amount: 1.289067
Amount Units: ng/ml

Processing Integration Results



RT: 4.12
Area: 2002060
Amount: 1.286760
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 08:17:38
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1142 of 1695

08/18/2022

Eurofins Burlington

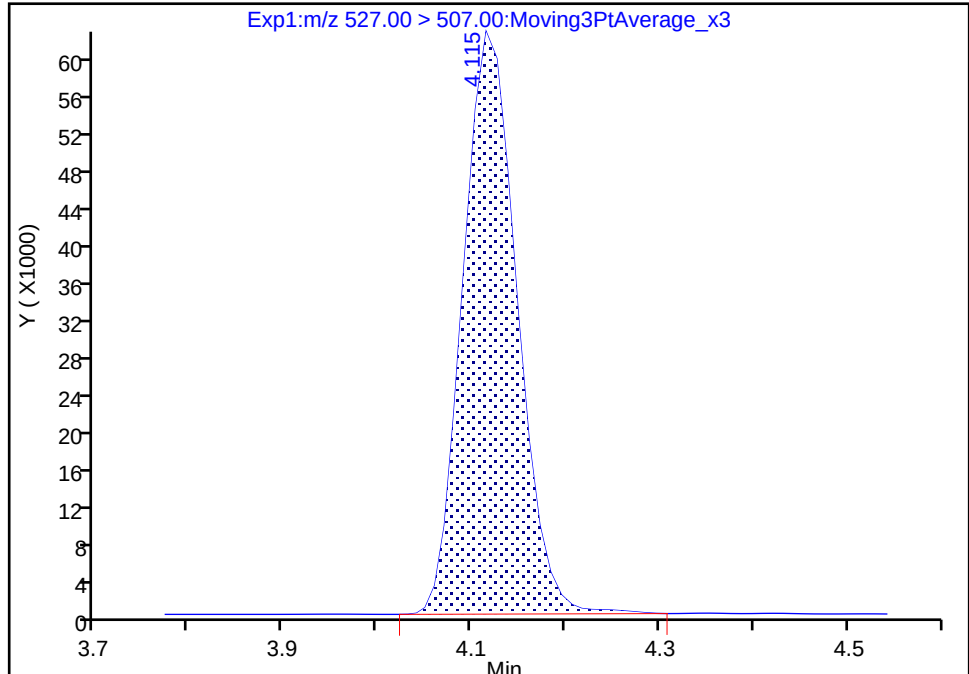
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B25.d
Injection Date: 11-Aug-2022 21:47:39 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

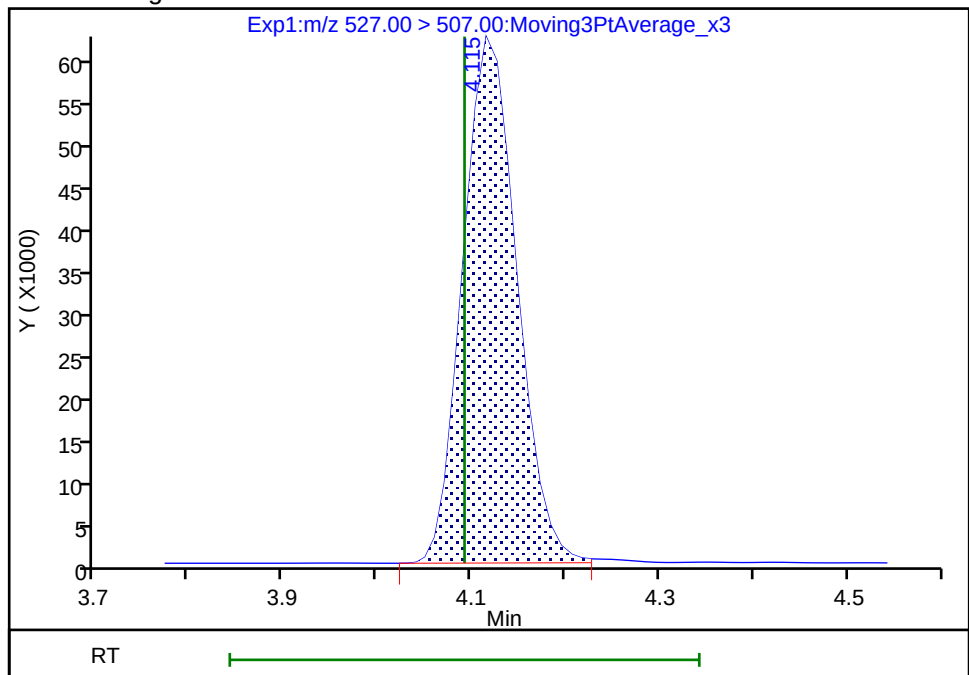
RT: 4.12
Area: 248604
Amount: 0.996835
Amount Units: ng/ml

Processing Integration Results



RT: 4.12
Area: 247469
Amount: 0.992284
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 09:43:38
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1143 of 1695

08/18/2022

Eurofins Burlington

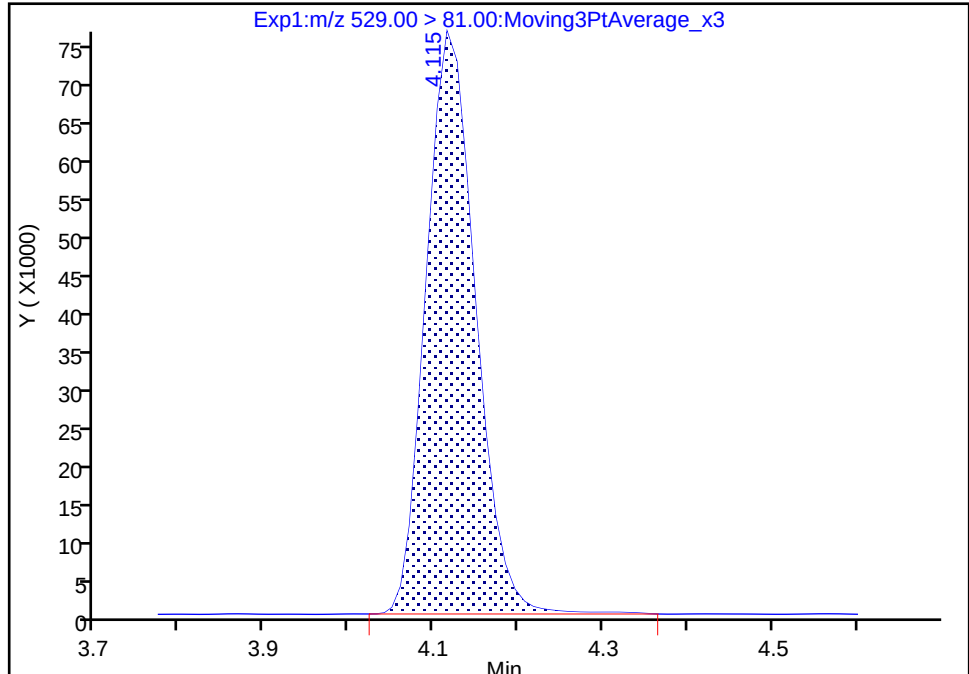
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B25.d
Injection Date: 11-Aug-2022 21:47:39 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

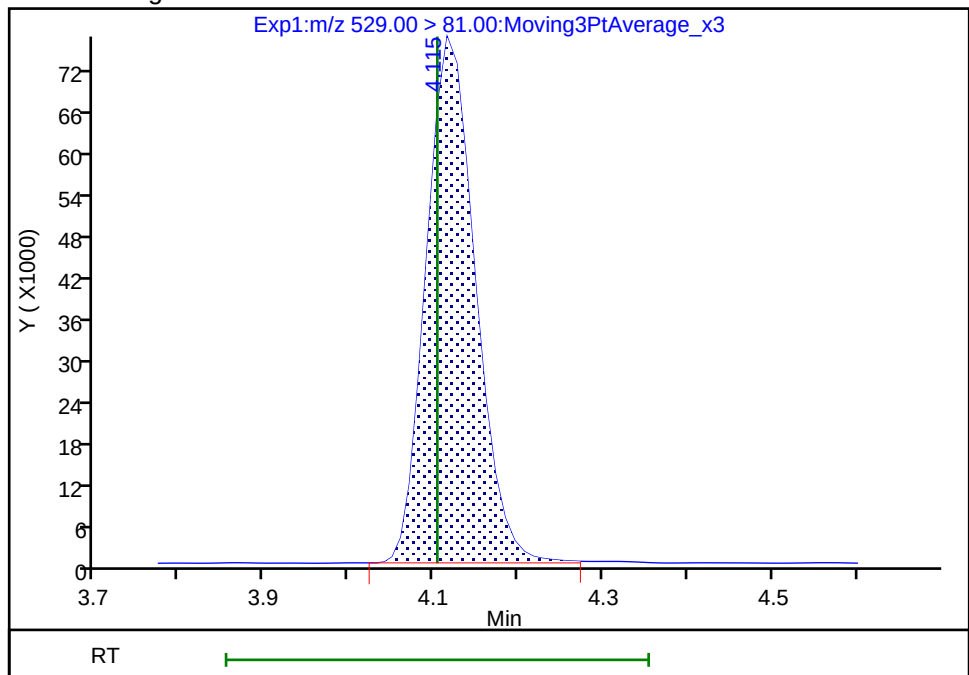
RT: 4.12
Area: 310167
Amount: 1.304179
Amount Units: ng/ml

Processing Integration Results



RT: 4.12
Area: 309268
Amount: 1.300399
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 09:40:07
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1144 of 1695

08/18/2022

Eurofins Burlington

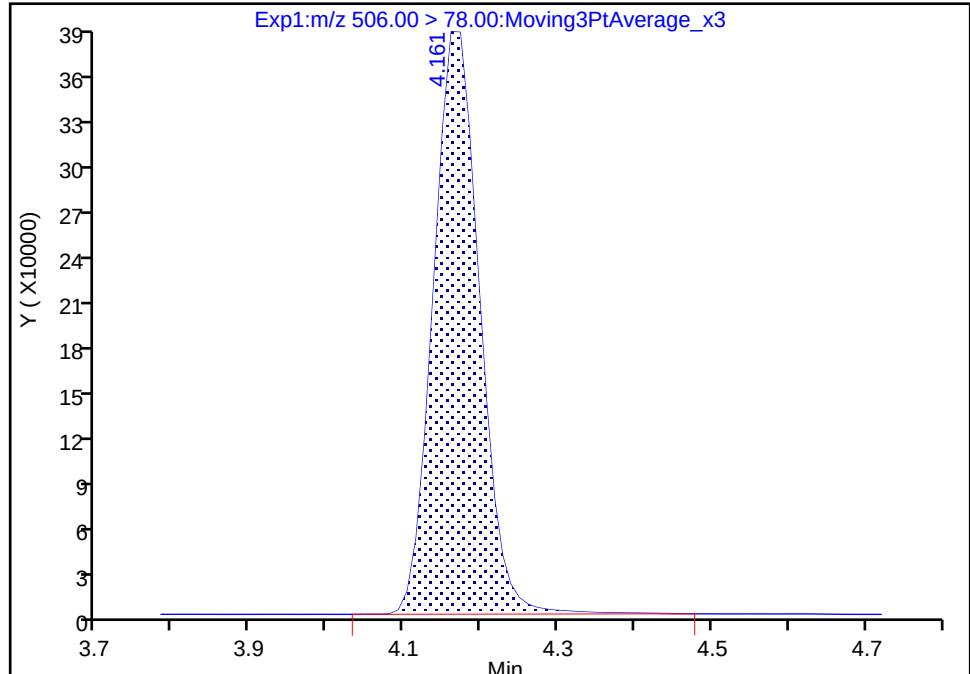
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B25.d
Injection Date: 11-Aug-2022 21:47:39 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

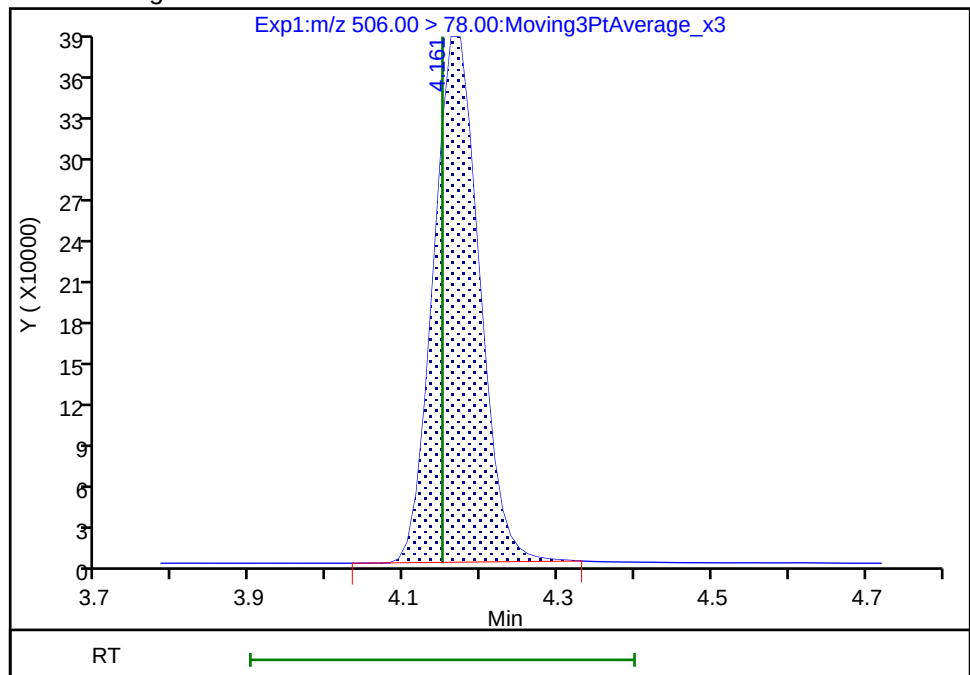
RT: 4.16
Area: 1600348
Amount: 1.175210
Amount Units: ng/ml

Processing Integration Results



RT: 4.16
Area: 1583770
Amount: 1.163036
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 08:17:48
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

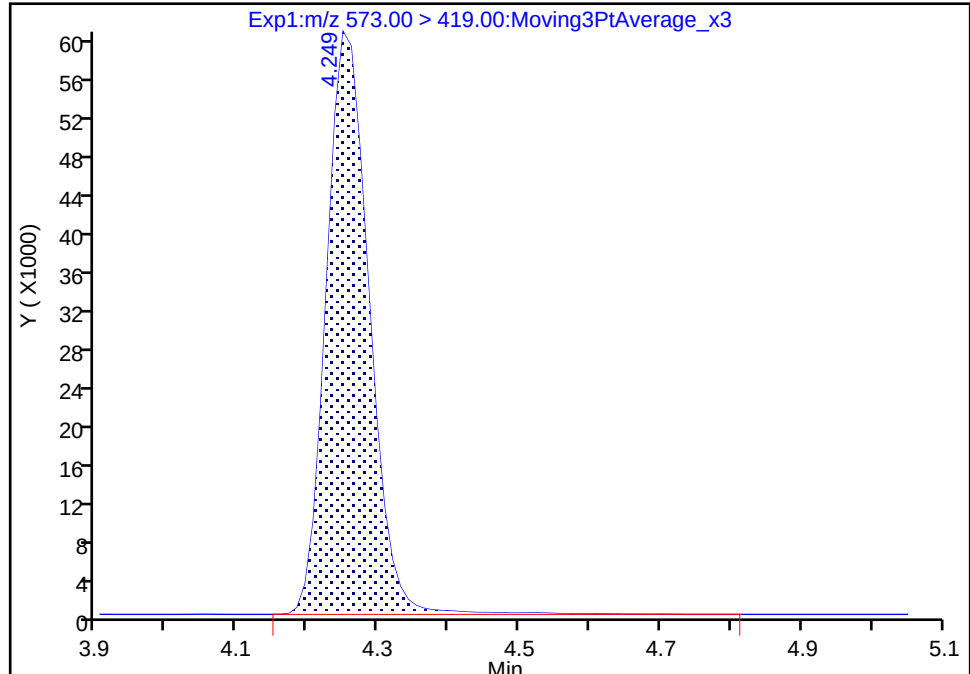
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B25.d
Injection Date: 11-Aug-2022 21:47:39 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

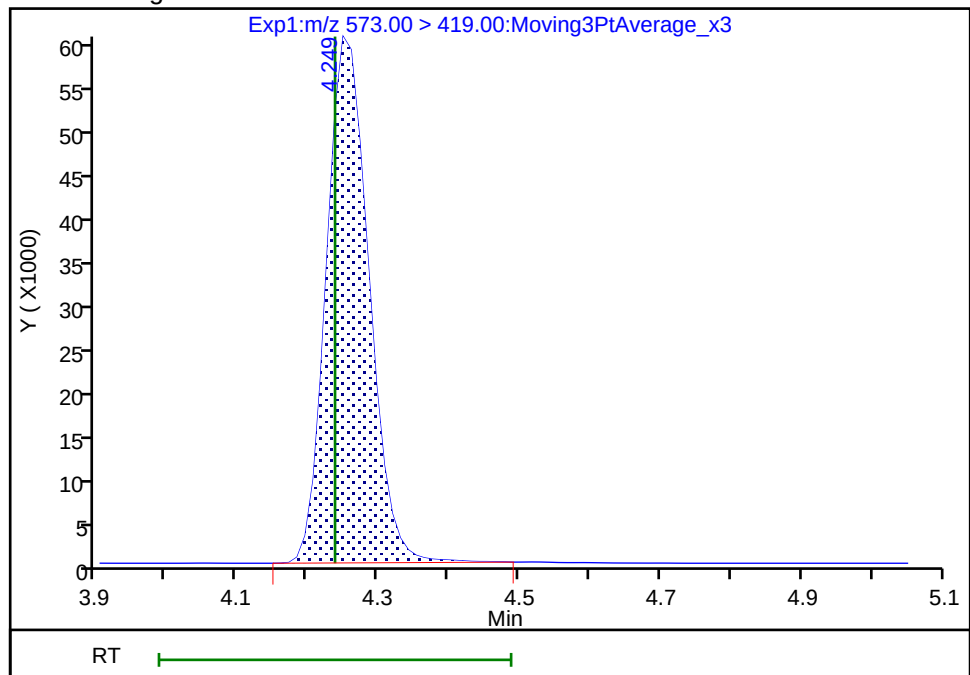
RT: 4.25
Area: 253283
Amount: 1.214561
Amount Units: ng/ml

Processing Integration Results



RT: 4.25
Area: 251074
Amount: 1.203968
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 09:40:17

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

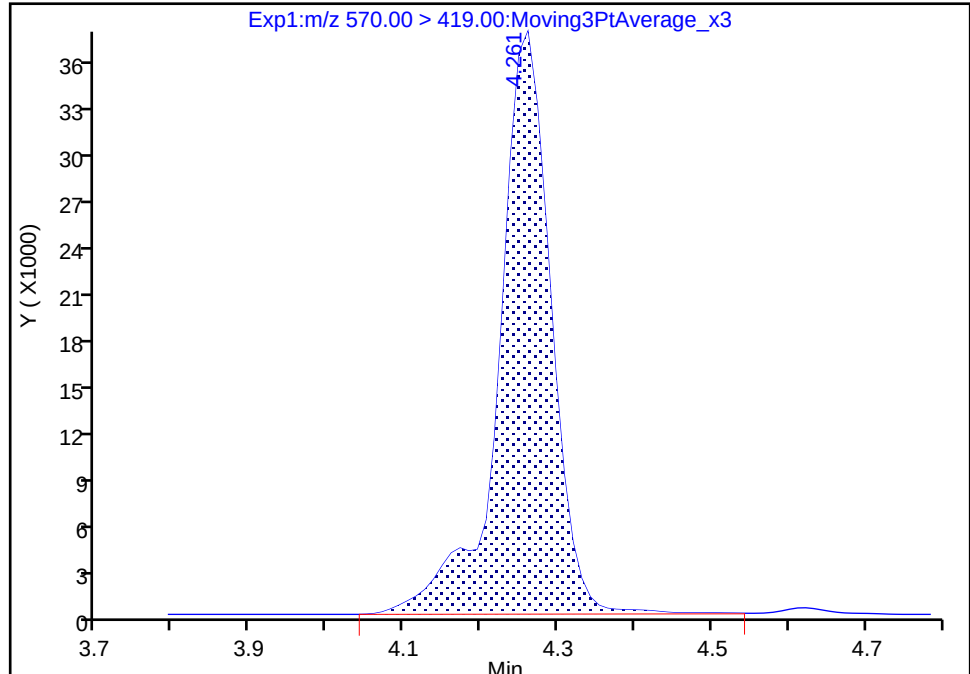
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B25.d
Injection Date: 11-Aug-2022 21:47:39 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

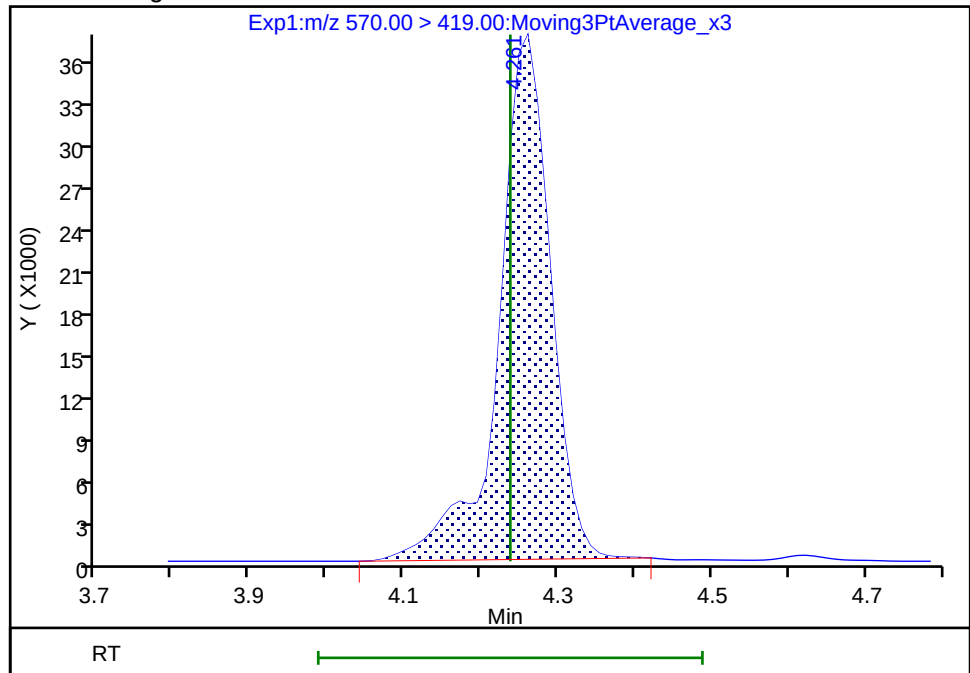
RT: 4.26
Area: 177223
Amount: 0.993484
Amount Units: ng/ml

Processing Integration Results



RT: 4.26
Area: 174264
Amount: 0.976897
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 08:17:56
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1147 of 1695

08/18/2022

Eurofins Burlington

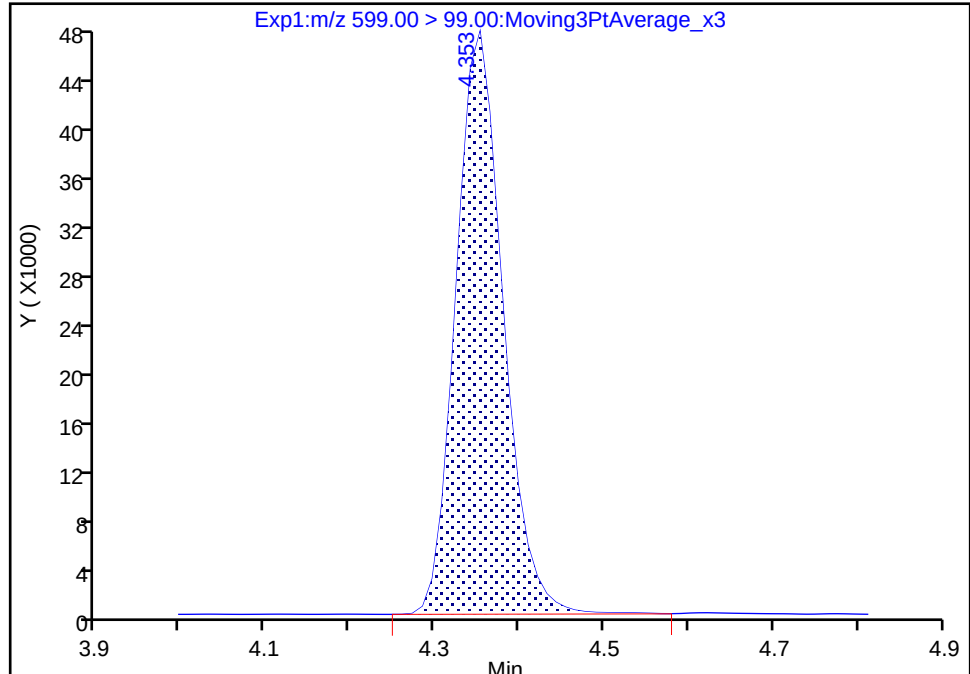
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B25.d
Injection Date: 11-Aug-2022 21:47:39 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

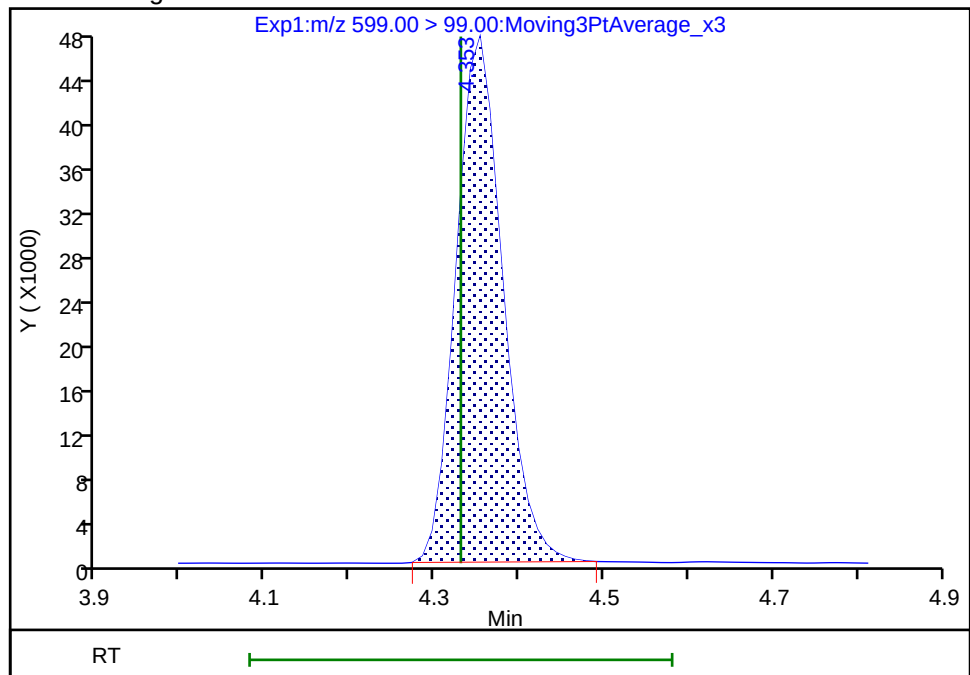
RT: 4.35
Area: 183360
Amount: 0.968950
Amount Units: ng/ml

Processing Integration Results



RT: 4.35
Area: 181707
Amount: 0.968950
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 09:44:05
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1148 of 1695

08/18/2022

Eurofins Burlington

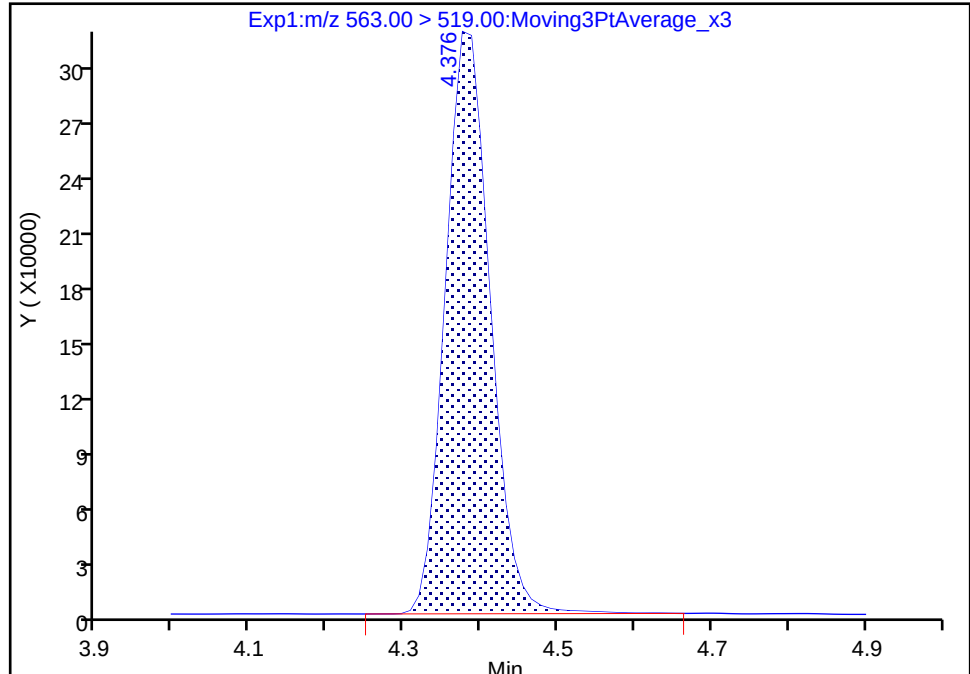
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B25.d
Injection Date: 11-Aug-2022 21:47:39 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

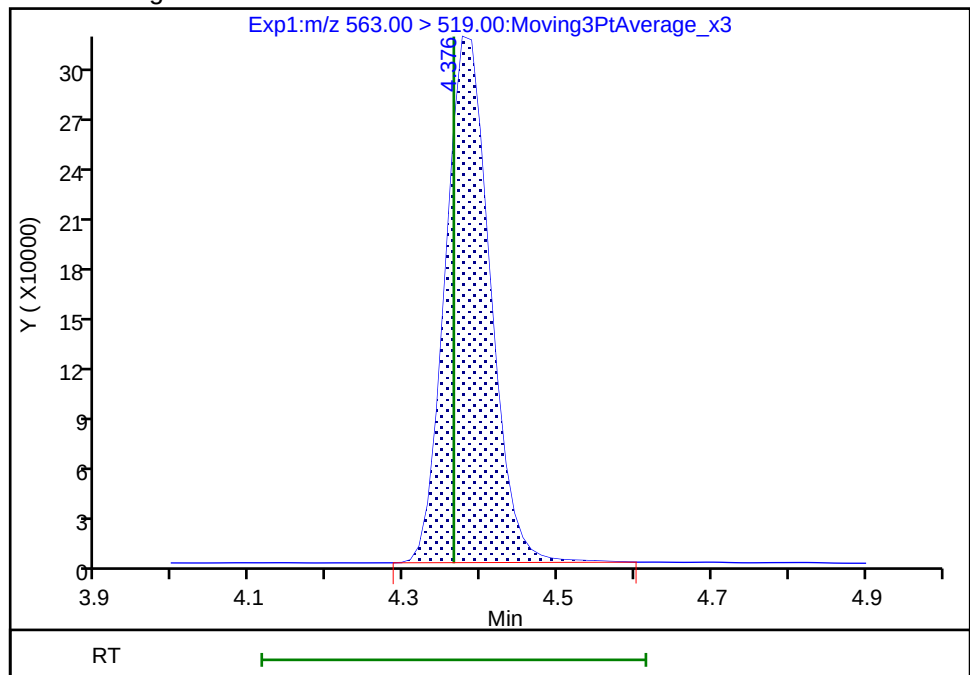
RT: 4.38
Area: 1280281
Amount: 0.995217
Amount Units: ng/ml

Processing Integration Results



RT: 4.38
Area: 1277949
Amount: 0.993404
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 09:44:13

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

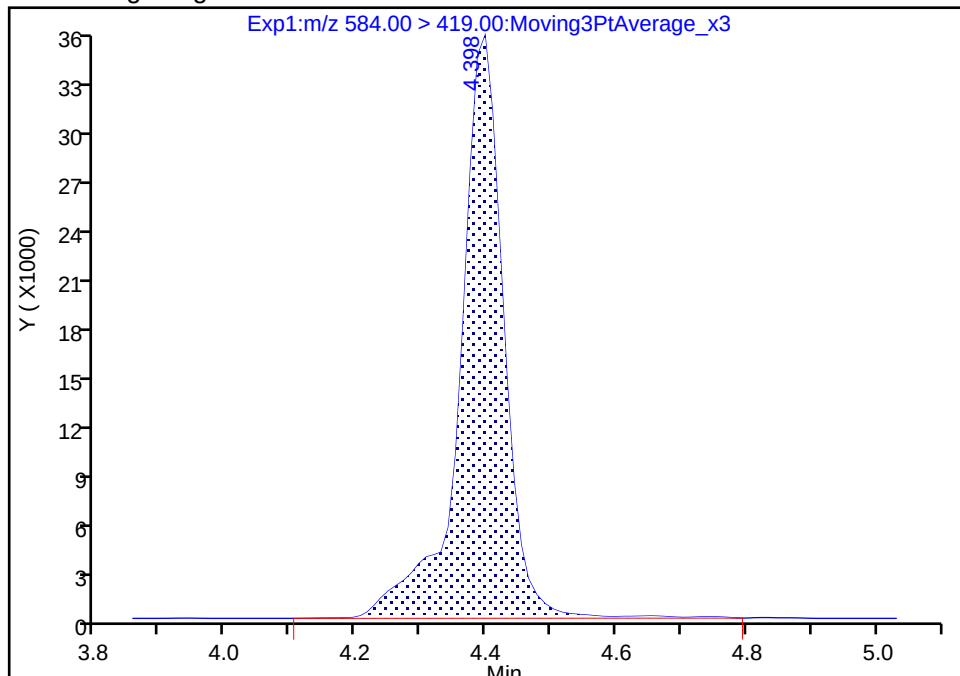
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B25.d
Injection Date: 11-Aug-2022 21:47:39 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

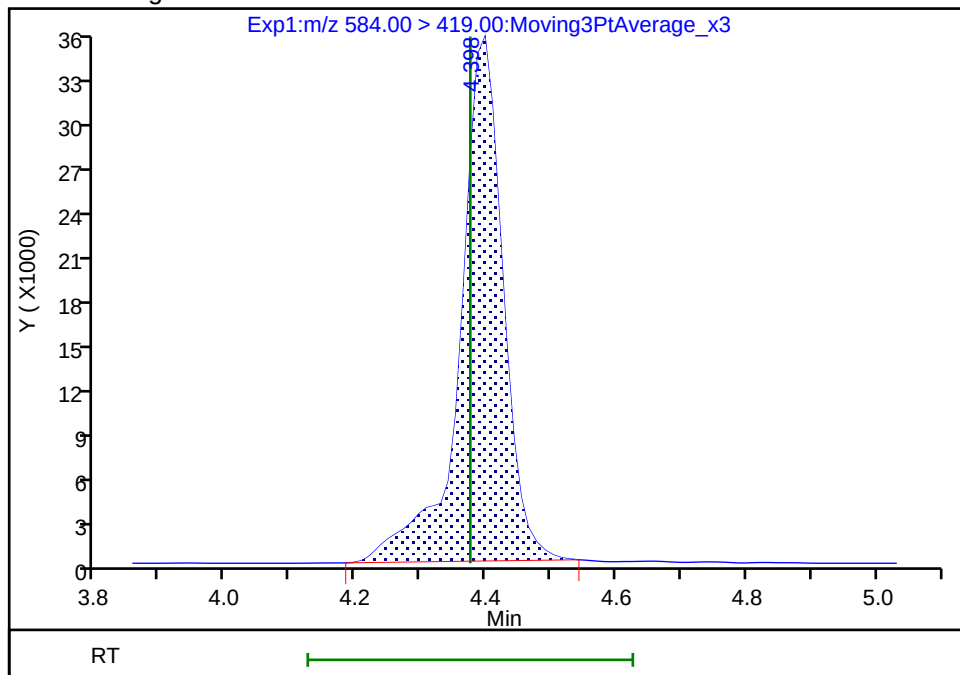
RT: 4.40
Area: 166616
Amount: 0.940083
Amount Units: ng/ml

Processing Integration Results



RT: 4.40
Area: 162502
Amount: 0.916871
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 08:18:11
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

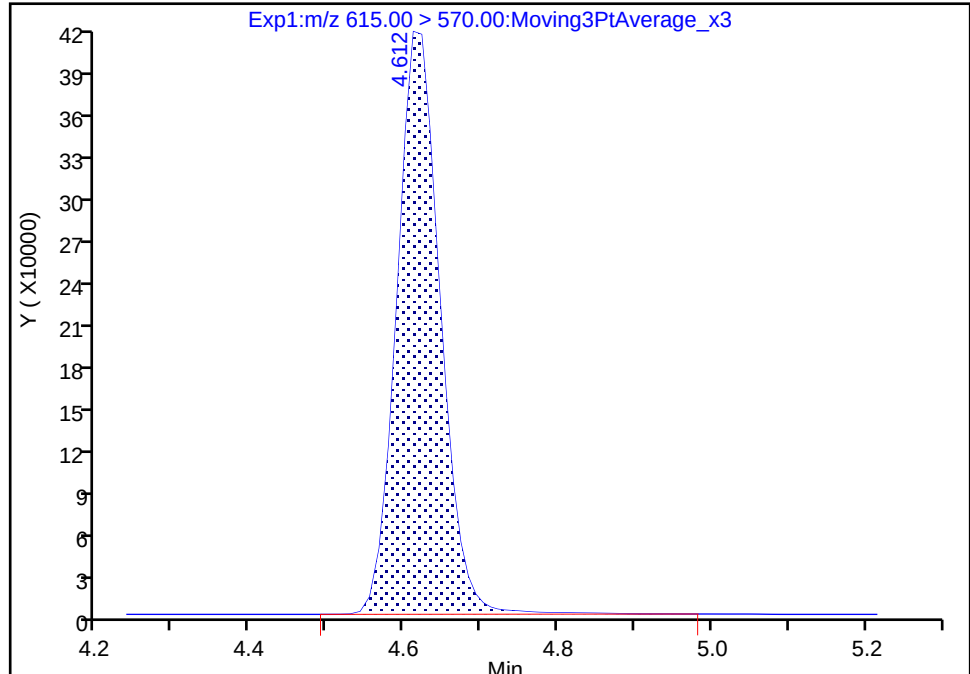
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B25.d
Injection Date: 11-Aug-2022 21:47:39 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 36 13C2 PFD_oA, CAS: STL00998

Signal: 1

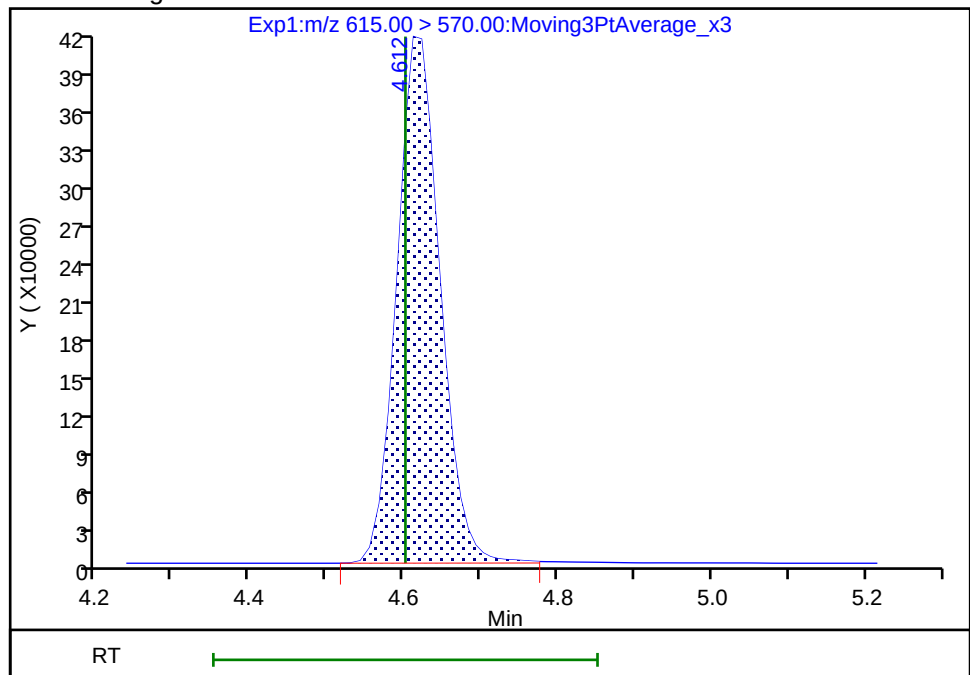
RT: 4.61
Area: 1631068
Amount: 1.335203
Amount Units: ng/ml

Processing Integration Results



RT: 4.61
Area: 1625458
Amount: 1.330611
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 09:40:38

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

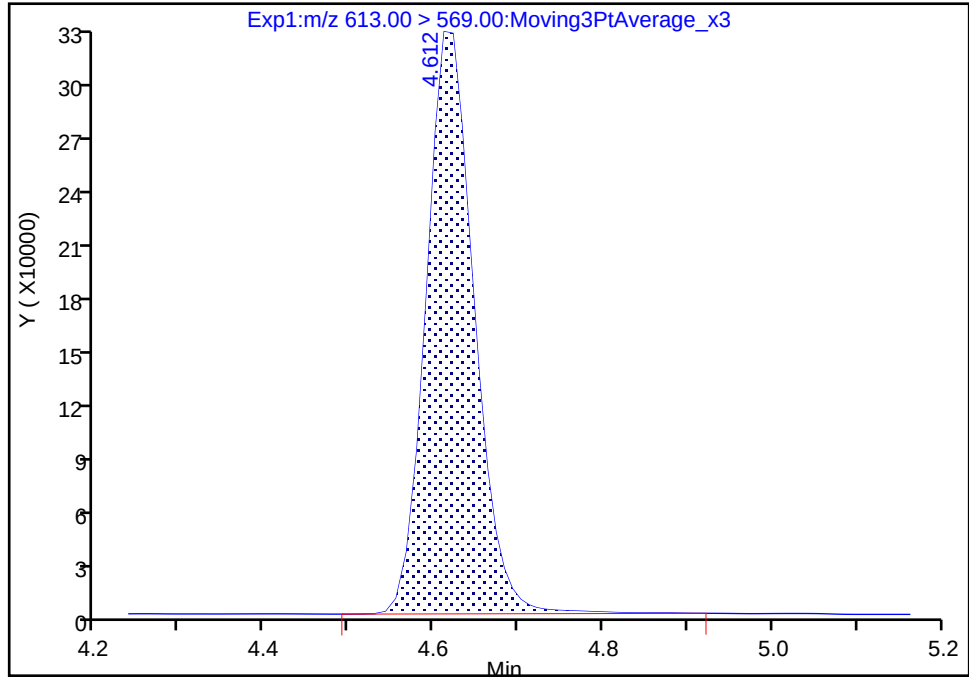
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B25.d
Injection Date: 11-Aug-2022 21:47:39 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

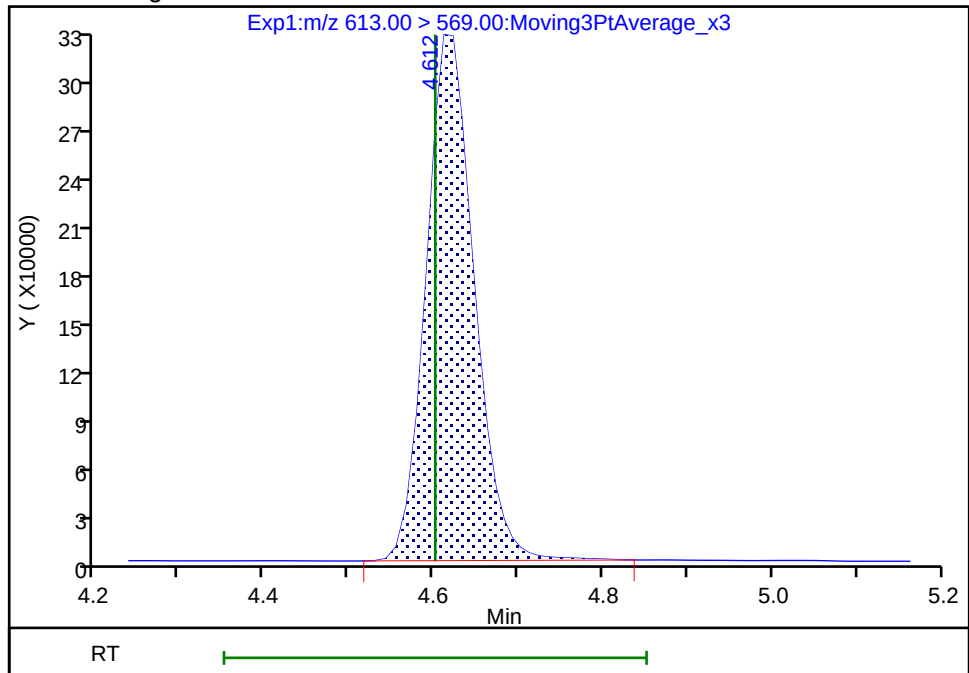
RT: 4.61
Area: 1289824
Amount: 0.978070
Amount Units: ng/ml

Processing Integration Results



RT: 4.61
Area: 1285756
Amount: 0.974986
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 09:44:35
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1152 of 1695

08/18/2022

Eurofins Burlington

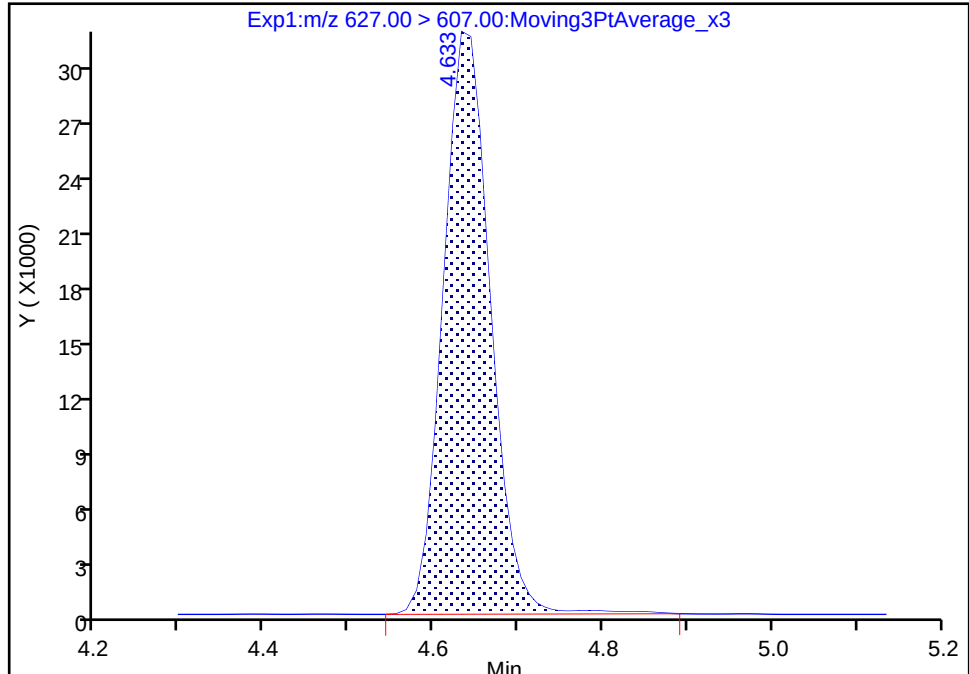
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B25.d
Injection Date: 11-Aug-2022 21:47:39 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

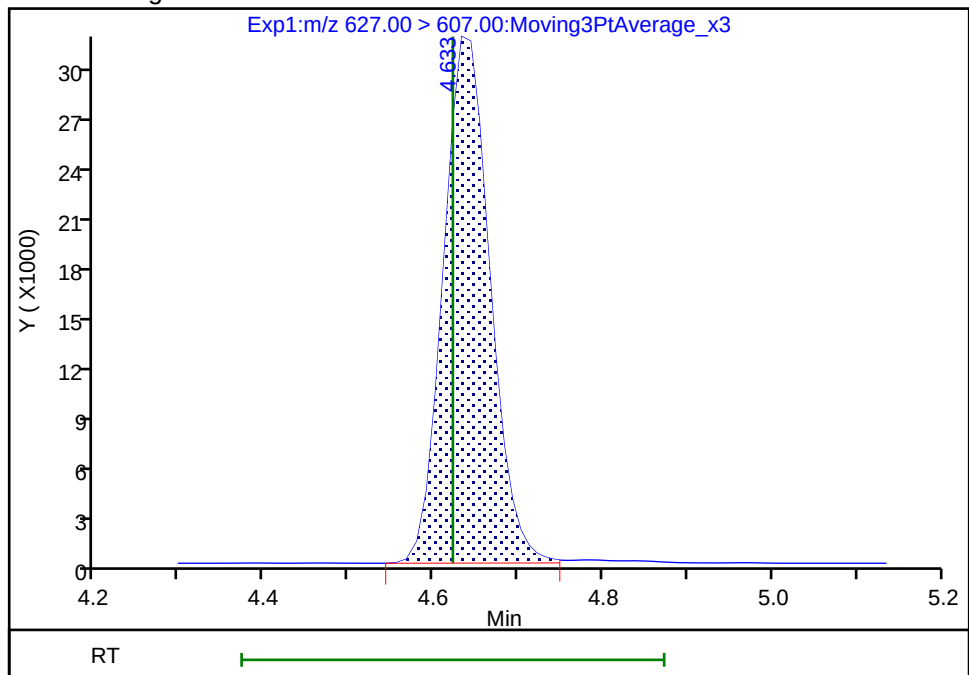
RT: 4.63
Area: 120098
Amount: 1.030798
Amount Units: ng/ml

Processing Integration Results



RT: 4.63
Area: 119140
Amount: 1.022575
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 09:44:41
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

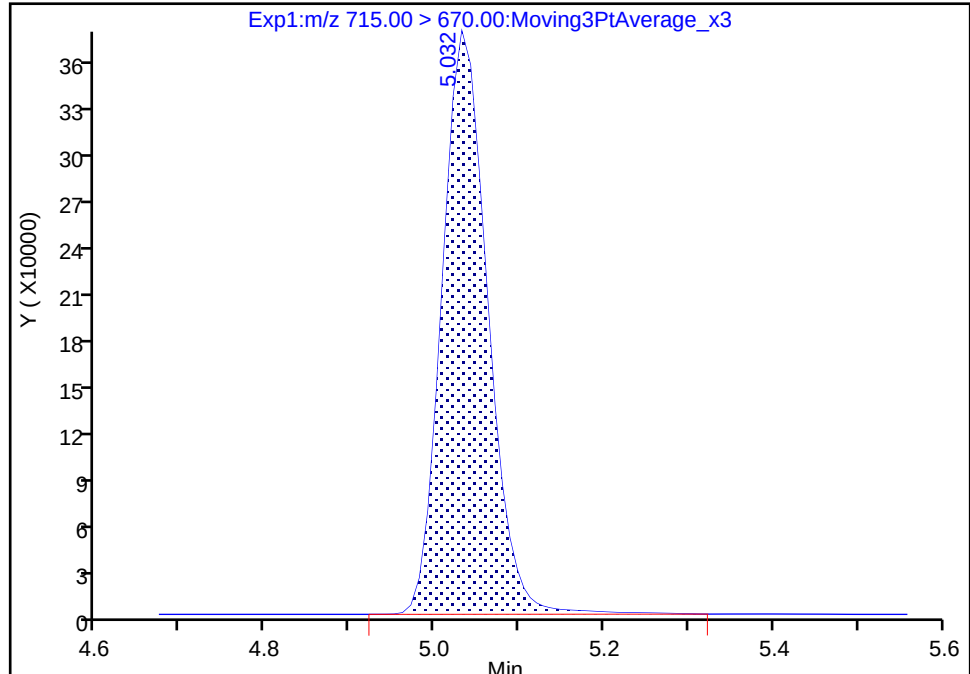
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B25.d
Injection Date: 11-Aug-2022 21:47:39 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

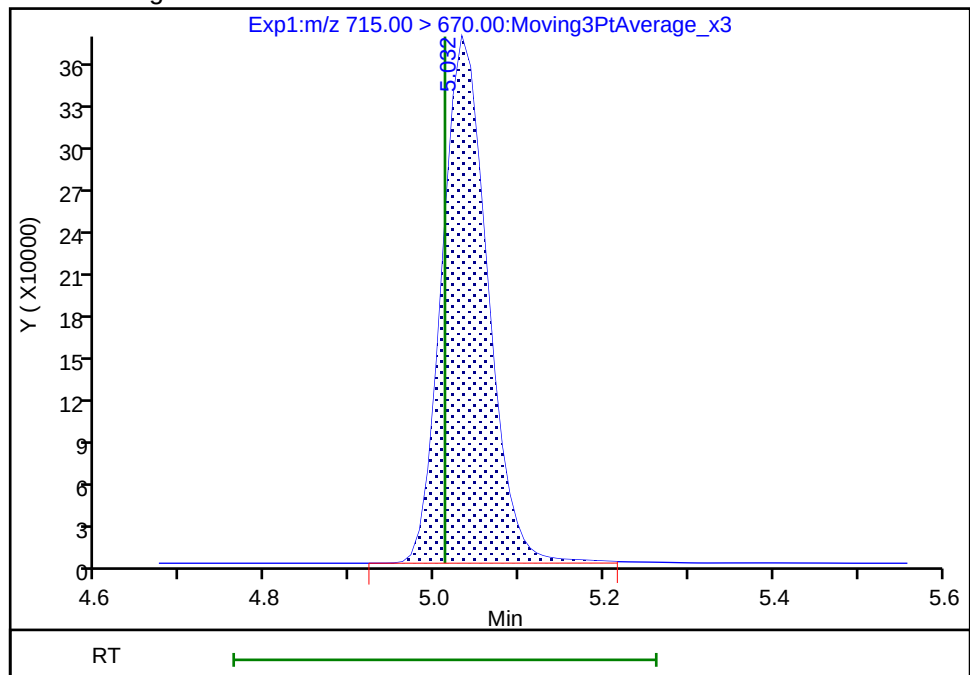
RT: 5.03
Area: 1387231
Amount: 1.389158
Amount Units: ng/ml

Processing Integration Results



RT: 5.03
Area: 1384239
Amount: 1.386161
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 09:40:42

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

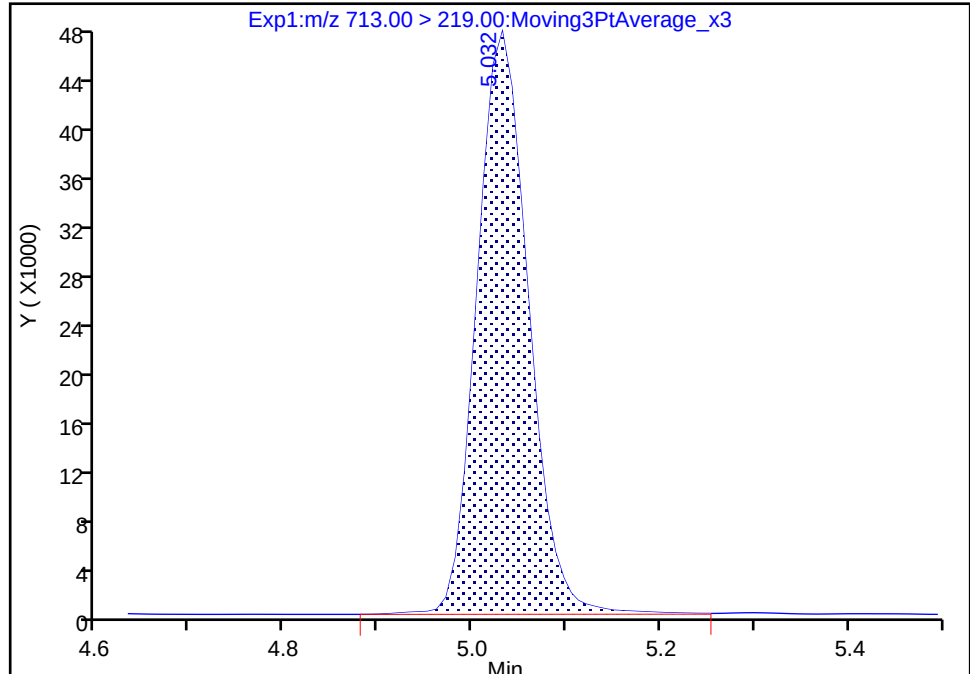
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B25.d
Injection Date: 11-Aug-2022 21:47:39 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

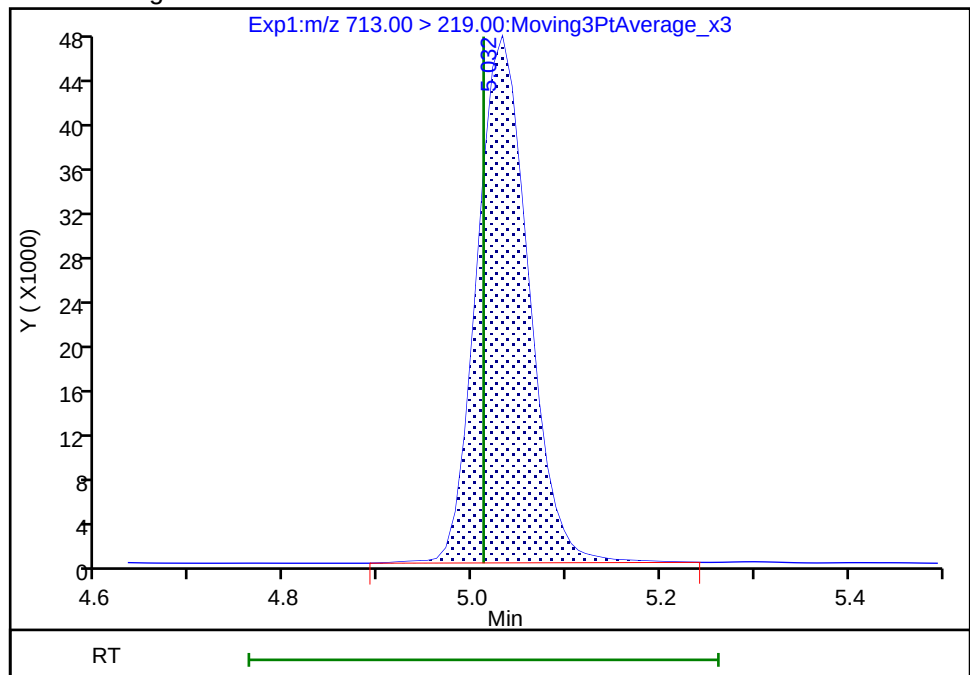
RT: 5.03
Area: 181865
Amount: 0.985207
Amount Units: ng/ml

Processing Integration Results



RT: 5.03
Area: 181168
Amount: 0.985207
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 09:44:51
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1155 of 1695

08/18/2022

Eurofins Burlington

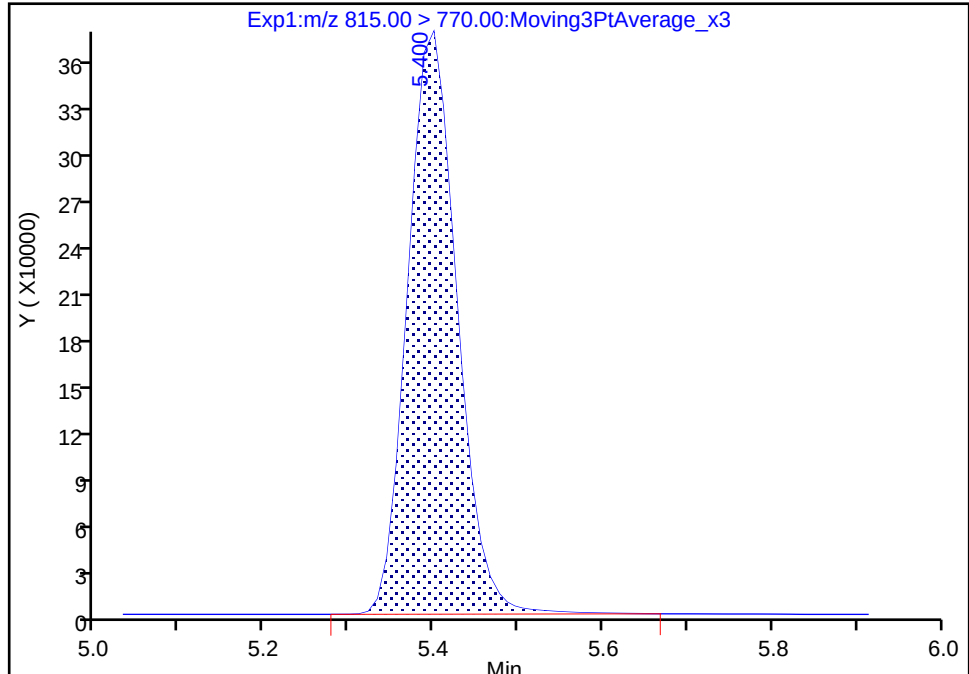
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B25.d
Injection Date: 11-Aug-2022 21:47:39 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 44 13C2 PFHxDA, CAS: STL02115

Signal: 1

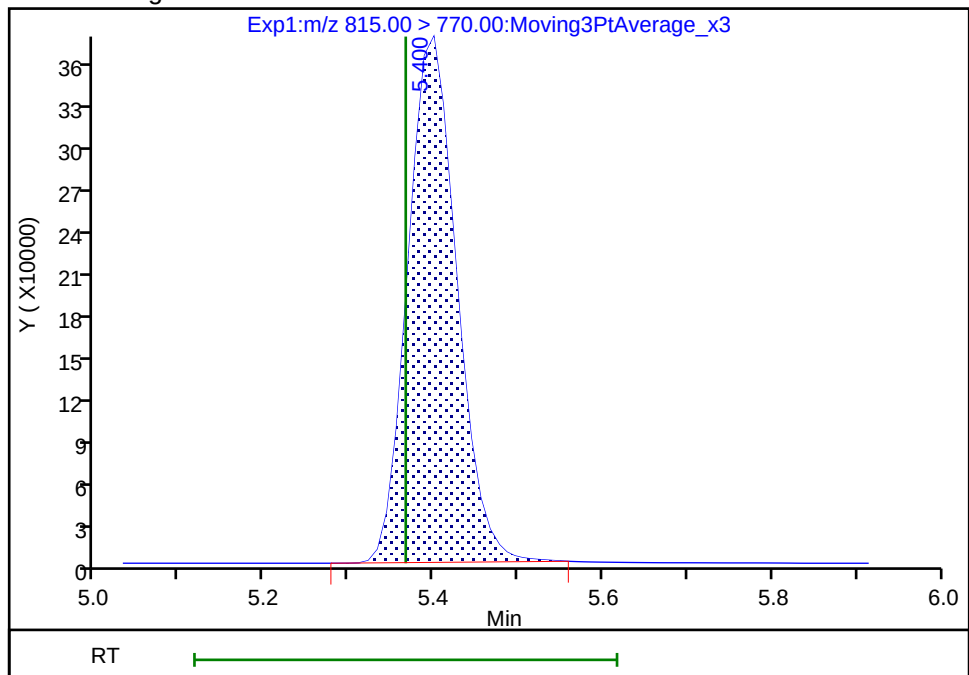
RT: 5.40
Area: 1533022
Amount: 1.347658
Amount Units: ng/ml

Processing Integration Results



RT: 5.40
Area: 1520740
Amount: 1.336861
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 08:18:23

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

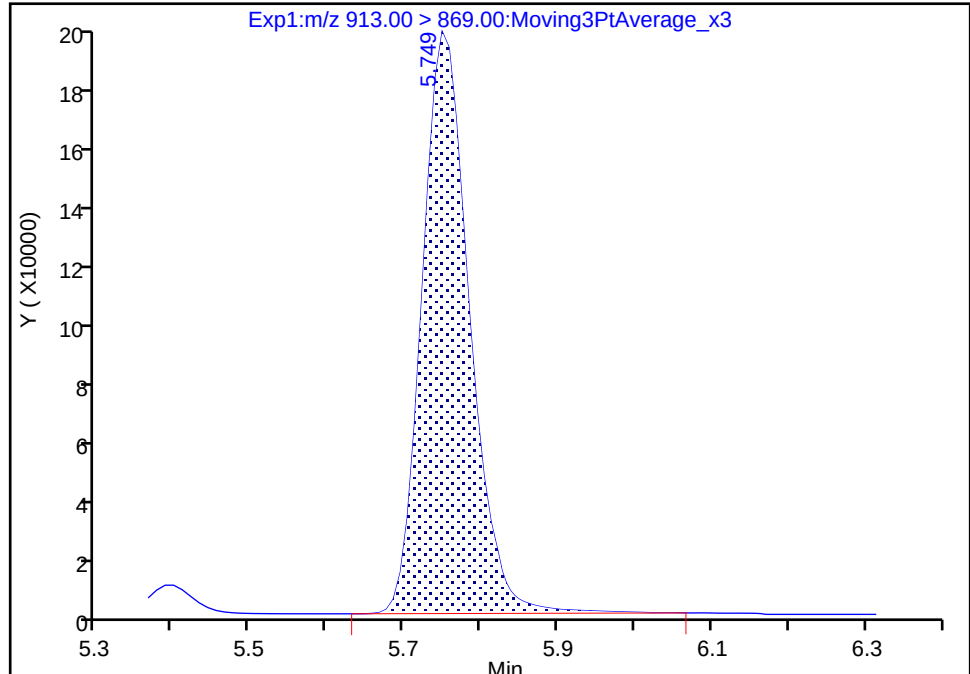
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B25.d
Injection Date: 11-Aug-2022 21:47:39 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

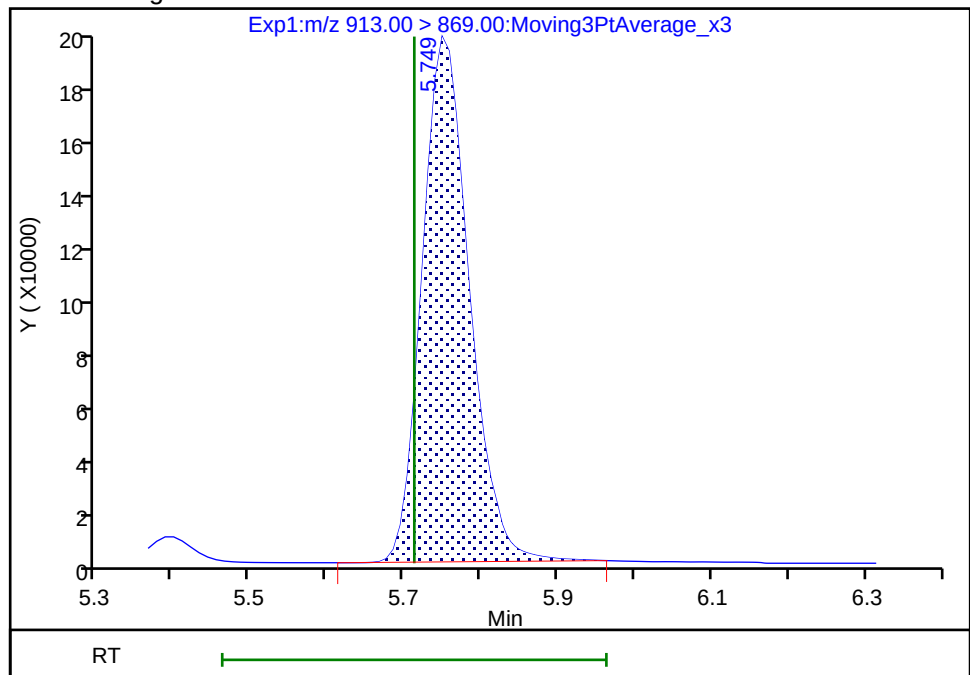
RT: 5.75
Area: 844508
Amount: 1.035643
Amount Units: ng/ml

Processing Integration Results



RT: 5.75
Area: 837132
Amount: 1.034889
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 08:18:31
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-263208-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 200-182492/1-A

Matrix: Water Lab File ID: PA220809A06.d

Analysis Method: 537 (modified) Date Collected: _____

Extraction Method: 3535 Date Extracted: 08/09/2022 10:37

Sample wt/vol: 250 (mL) Date Analyzed: 08/09/2022 16:32

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.: 182508 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: <u>Eurofins Burlington</u>	Job No.: <u>460-263208-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 200-182492/1-A</u>
Matrix: <u>Water</u>	Lab File ID: <u>PA220809A06.d</u>
Analysis Method: <u>537 (modified)</u>	Date Collected: _____
Extraction Method: <u>3535</u>	Date Extracted: <u>08/09/2022 10:37</u>
Sample wt/vol: <u>250 (mL)</u>	Date Analyzed: <u>08/09/2022 16:32</u>
Con. Extract Vol.: <u>10 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>20 (uL)</u>	GC Column: <u>C-18</u> ID: <u>4.6 (mm)</u>
% Moisture: _____ % Solids: _____	GPC Cleanup: (Y/N) <u>N</u>
Cleanup Factor: _____	
Analysis Batch No.: <u>182508</u>	Units: <u>ng/L</u>

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL01892	13C4 PFHpA	106		50-150
STL00990	13C4 PFOA	108		50-150
STL00995	13C5 PFNA	109		50-150
STL00992	13C4 PFBA	93		50-150
STL00993	13C2 PFHxA	103		50-150
STL00996	13C2 PFDA	103		50-150
STL00997	13C2 PFUnA	100		50-150
STL00994	18O2 PFHxS	105		50-150
STL00998	13C2 PFDoA	97		50-150
STL00991	13C4 PFOS	101		50-150
STL01056	13C8 FOSA	84		50-150
STL01893	13C5 PFPeA	106		50-150
STL02116	13C2 PFTeDA	104		50-150
STL02118	d3-NMeFOSAA	94		50-150
STL02117	d5-NEtFOSAA	97		50-150
STL02279	M2-6:2 FTS	102		50-150
STL02337	13C3 PFBS	99		50-150
STL02280	M2-8:2 FTS	105		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A06.d
 Lims ID: MB 200-182492/1-A
 Client ID:
 Sample Type: MB
 Inject. Date: 09-Aug-2022 16:32:08 ALS Bottle#: 3 Worklist Smp#: 6
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: MB 200-182492/1-A
 Misc. Info.: 200-0052011-006 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 10-Aug-2022 09:53:48 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: CTX1674

First Level Reviewer: khanphomeea

Date: 10-Aug-2022 09:29:41

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										
217.00 > 172.00	2.076	2.085	-0.009	0.599	2106332	1.16		92.7	8045	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.076	2.085	-0.009	1.000	11847	0.007250			1.2	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.387	2.386	0.001	0.689	1851720	1.32		106	4150	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.387	2.386	0.001	1.000	3102	0.002031			0.1	M
D 47 13C3 PFBS										
301.90 > 80.00	2.400	2.400	0.0	0.693	1870229	1.16		99.5	297397	
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.400	2.413	-0.013	1.000	9282	0.005227	Target=2.23		6.3	
298.90 > 99.00	2.400	2.413	-0.013	1.000	4321		2.15(1.11-3.34)		3.8	M
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.701	2.701	0.0	0.780	163483	1.17		101	171	M
61 1H,1H,2H,2H-perfluorohexanesulfo										M
327.00 > 307.00	2.701	2.701	0.0	1.000	375	0.001127			8.2	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.738	2.737	0.001	0.790	1788165	1.28		103	2864	
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.847	2.847	0.0	0.822	316229	1.20		96.3	1462	
67 Perfluoro(2-propoxypropanoic) ac										M
285.00 > 169.00	2.835	2.847	-0.012	0.996	148	0.000544			2.4	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.110	3.110	0.0	0.897	1418074	1.25		105	2763	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.110	3.110	0.0	1.000	6449	0.004876	Target=3.43	16.9		M
399.00 > 99.00	3.099	3.110	-0.011	0.996	2985		2.16(1.72-5.15)	5.0		M
D 9 13C4 PFHpA										M
367.00 > 322.00	3.110	3.110	0.0	0.897	1925108	1.33		106	2066	M
10 Perfluoroheptanoic acid										RM
363.00 > 319.00	3.110	3.110	0.0	1.000	1578	0.000994	Target=3.73	0.8		RM
363.00 > 169.00	3.099	3.110	-0.011	0.996	1201		1.31(1.86-5.59)	2.2		M
D 12 M2-6:2 FTS										
429.00 > 81.00	3.456	3.455	0.001	0.997	230663	1.21		102	556	
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.465	3.455	0.010	1.003	773	-0.0141		5.0		M
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.474	3.464	0.010	1.003	4682	0.002607	Target=2.67	0.4		M
413.00 > 169.00	3.456	3.464	-0.008	0.997	1447		3.24(1.34-4.01)	4.0		M
D 14 13C4 PFOA										M
417.00 > 372.00	3.465	3.464	0.001	1.000	2002269	1.35		108	2126	M
* 62 13C2 PFOA										
415.00 > 370.00	3.465	3.464	0.001		1946201	1.25		5917		
17 Perfluorooctanesulfonic acid										RM
499.00 > 80.00	3.783	3.782	0.001	1.000	4575	-0.0131	Target=4.88	3.6		RM
499.00 > 99.00	3.764	3.782	-0.018	0.995	615		7.44(2.44-7.32)	2.3		M
D 18 13C4 PFOS										
503.00 > 80.00	3.783	3.782	0.001	1.092	1022667	1.20		101	3421	
20 Perfluorononanoic acid										M
463.00 > 419.00	3.792	3.801	-0.009	0.997	1011	0.000590	Target=8.23	0.7		M
463.00 > 169.00	3.802	3.801	0.001	1.000	197		5.13(4.11-12.34)	2.7		M
D 19 13C5 PFNA										
468.00 > 423.00	3.802	3.801	0.001	1.097	2104398	1.37		109	5611	
69 9-Chlorohexadecafluoro-3-oxanona										M
531.00 > 351.00	3.951	3.951	0.0	1.044	433	0.000286		4.8		M
68 Perfluorononanesulfonic acid										RM
549.00 > 80.00	4.071	4.081	-0.010	1.076	348	0.000519	Target=2.53	6.2		RM
549.00 > 99.00	4.061	4.081	-0.020	1.073	302		1.15(1.26-3.79)	3.6		M
D 23 13C2 PFDA										M
515.00 > 470.00	4.104	4.104	0.0	1.184	1936210	1.29		103	1589	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.116	4.115	0.001	1.188	287459	1.26		105	573	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.116	4.115	0.001	1.000	488	0.002105		10.2		M
D 21 13C8 FOSA										M
506.00 > 78.00	4.162	4.161	0.001	1.201	1384955	1.06		84.5	1878	M
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.173	4.173	0.0	1.003	894	0.000792		3.9		M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.250	4.249	0.001	1.226	235430	1.17		93.8	1253	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.261	4.249	0.012	1.003	242	0.001447		1.1		
29 Perfluorodecanesulfonic acid										RM
599.00 > 80.00	4.342	4.342	0.0	1.148	496	0.000995	Target=2.80	11.8		RM
599.00 > 99.00	4.331	4.342	-0.011	1.145	47		10.55(1.40-4.20)	1.3		M
D 30 13C2 PFUnA										M
565.00 > 520.00	4.376	4.376	0.0	1.263	1414271	1.25		99.7	1244	M
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.376	4.376	0.0	1.000	900	0.000751	Target=9.07	1.1		M
563.00 > 169.00	4.387	4.376	0.011	1.003	155		5.81(4.54-13.61)	3.5		M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.387	4.387	0.0	1.266	230049	1.21		96.8	914	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.421	4.387	0.034	1.008	129	0.000772		3.6		M
66 11-Chloroeicosafuoro-3-oxaundec										M
631.00 > 451.00	4.465	4.478	-0.013	1.180	905	0.000460		7.0		M
D 36 13C2 PFDaA										M
615.00 > 570.00	4.612	4.612	0.0	1.331	1433155	1.22		97.5	1225	M
37 Perfluorododecanoic acid										RM
613.00 > 569.00	4.612	4.612	0.0	1.000	2566	0.002207	Target=6.97	0.4		RM
613.00 > 169.00	4.622	4.612	0.010	1.002	162		15.84(3.48-10.45)	2.4		M
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.643	4.633	0.010	1.128	65	0.000600		2.6		M
75 Perfluorododecanesulfonic acid (										M
699.00 > 80.00	4.794	4.794	0.0	1.267	81	0.000366	Target=0.52	2.5		M
699.00 > 99.00	4.794	4.794	0.0	1.267	147		0.55(0.26-0.79)	4.6		M
D 43 13C2 PFTeDA										M
715.00 > 670.00	5.022	5.032	-0.010	1.449	1245007	1.29		104	1820	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.022	5.032	-0.010	1.000	200	0.001253	Target=0.94	3.6		M
713.00 > 219.00	5.042	5.032	0.010	1.004	240		0.83(0.47-1.41)	5.9		M
45 Perfluorohexadecanoic acid										M
813.00 > 769.00	5.389	5.389	0.0	1.000	12247	-0.008446	Target=4.38	4.1		M
813.00 > 169.00	5.389	5.389	0.0	1.000	2866		4.27(2.19-6.57)	35.8		M
D 44 13C2 PFHxDA										
815.00 > 770.00	5.389	5.389	0.0	1.555	1389065	1.27		101	3658	
46 Perfluorooctadecanoic acid										RM
913.00 > 869.00	5.731	5.740	-0.009	1.064	820	0.001110	Target=4.31	0.5		RM
913.00 > 169.00	5.722	5.740	-0.018	1.062	109		7.52(2.16-6.47)	3.3		M

QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A06.d

Injection Date: 09-Aug-2022 16:32:08

Instrument ID: LC812

Lims ID: MB 200-182492/1-A

Client ID:

Operator ID: lc812tech

ALS Bottle#: 3

Worklist Smp#: 6

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

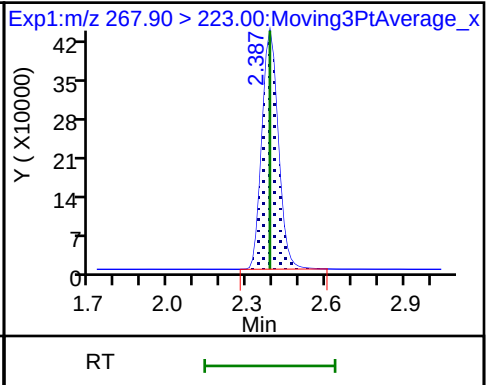
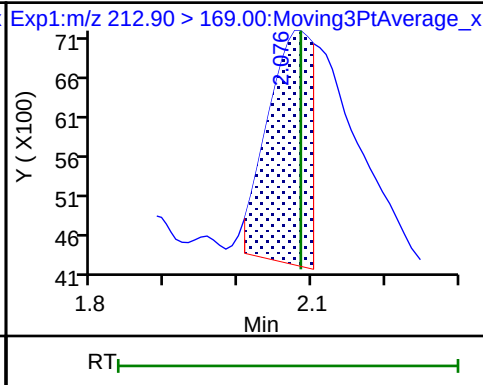
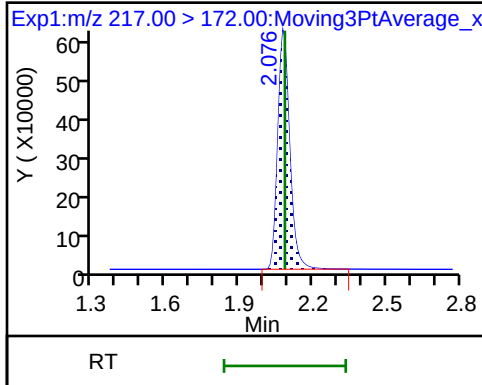
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

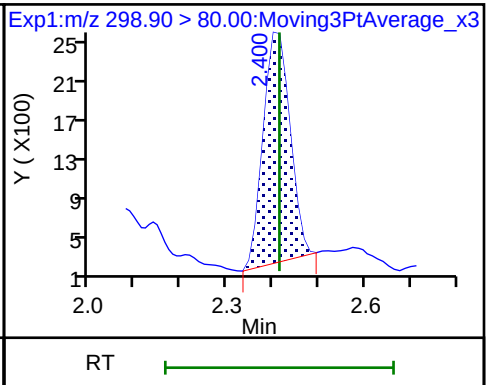
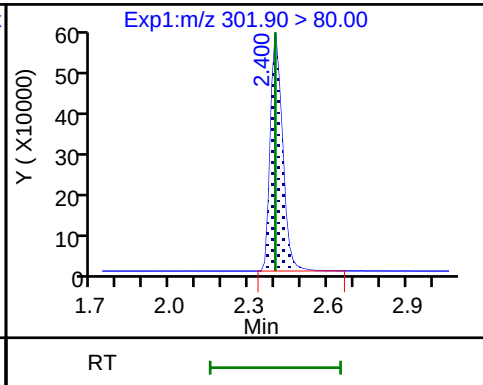
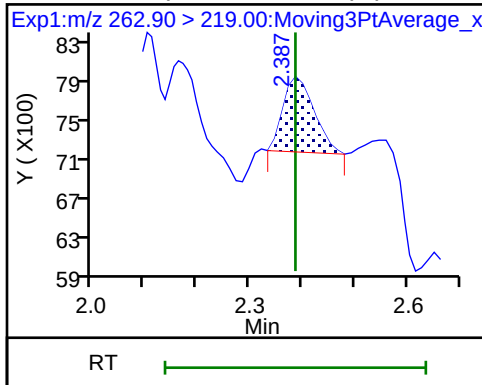
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

D 47 13C3 PFBS

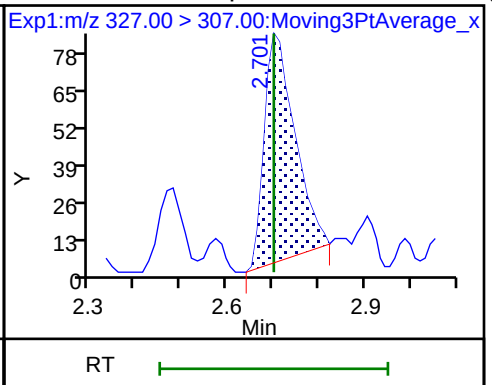
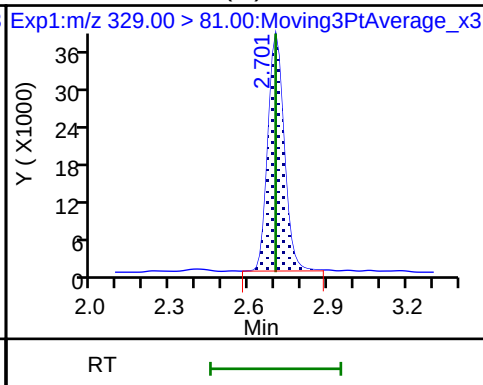
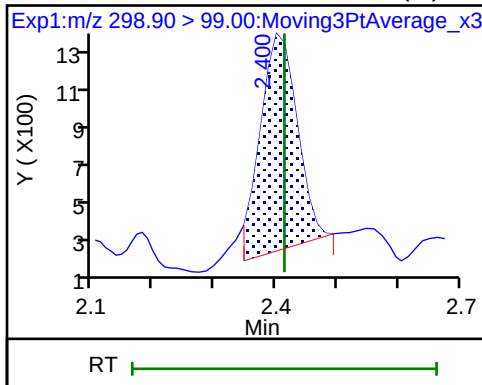
5 Perfluorobutanesulfonic acid



5 Perfluorobutanesulfonic acid (M)

D 60 M2-4:2 FTS (M)

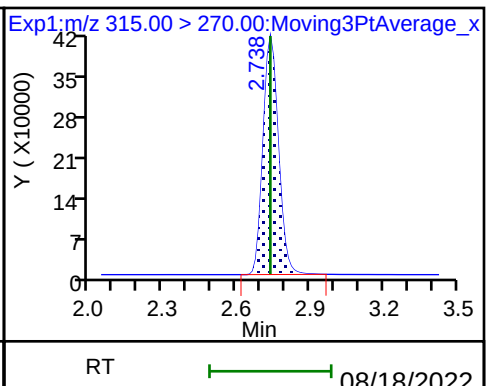
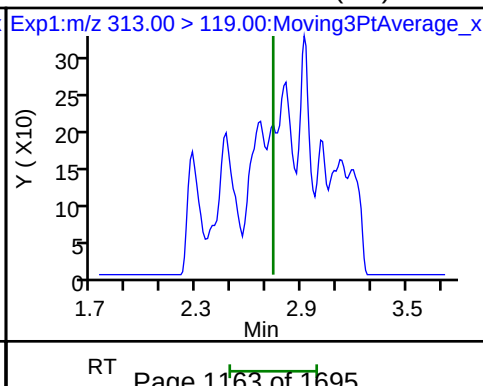
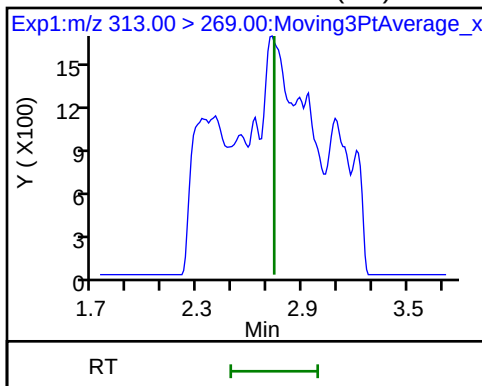
61 1H,1H,2H,2H-perfluorohexanesulfo (M)



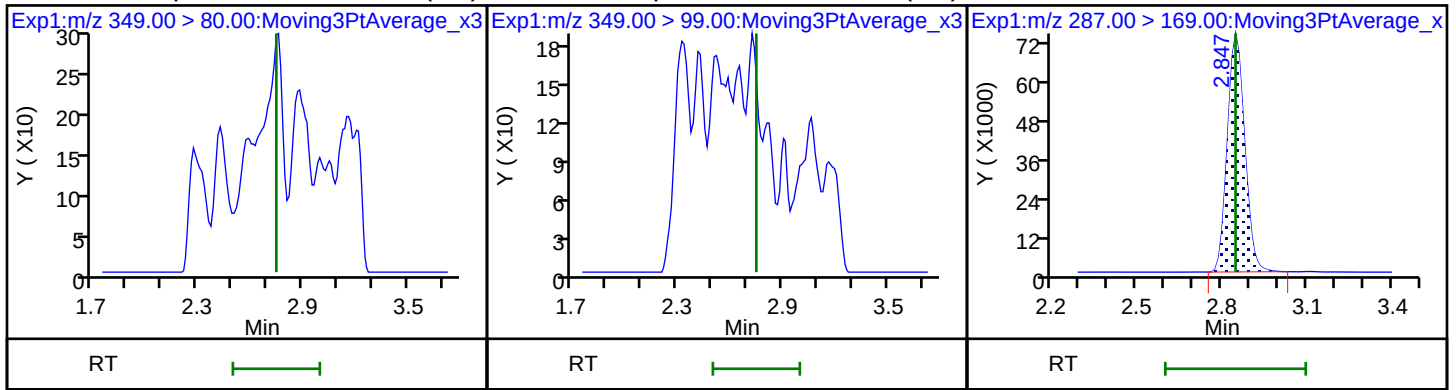
6 Perfluorohexanoic acid (ND)

6 Perfluorohexanoic acid (ND)

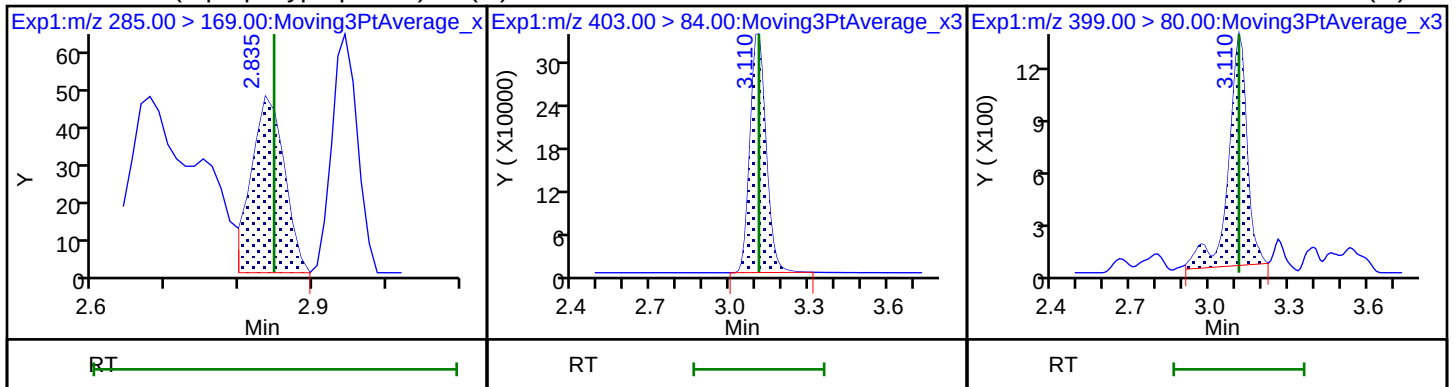
D 7 13C2 PFHxA



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



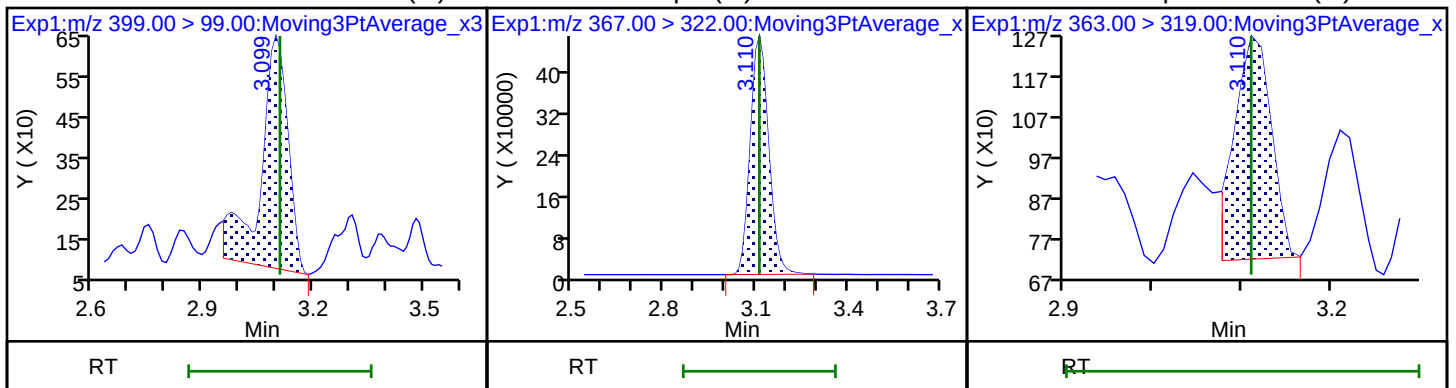
67 Perfluoro(2-propoxypropanoic) ac (M) 11 18O2 PFHxS



8 Perfluorohexanesulfonic acid (M)

D 9 13C4 PFHpA (M)

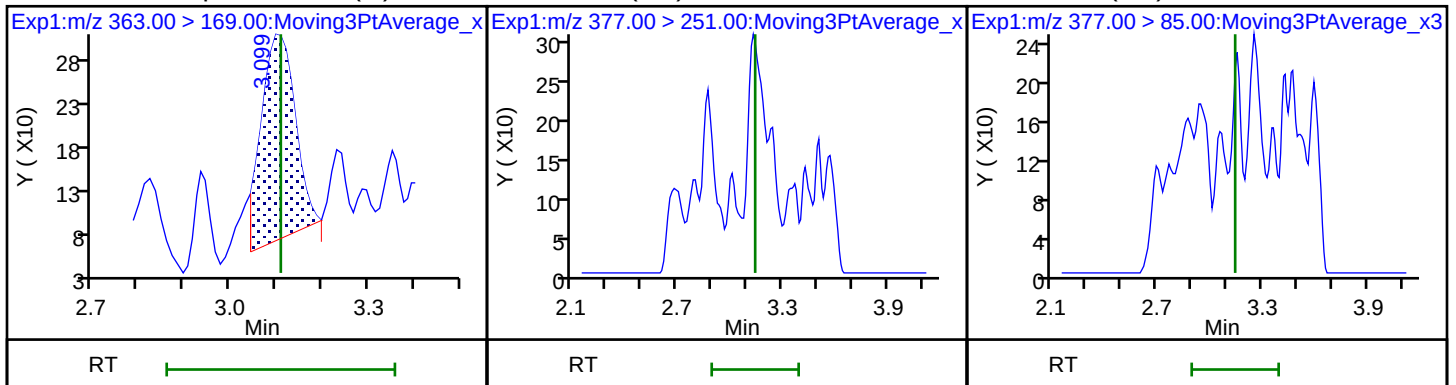
10 Perfluoroheptanoic acid (M)



10 Perfluoroheptanoic acid (M)

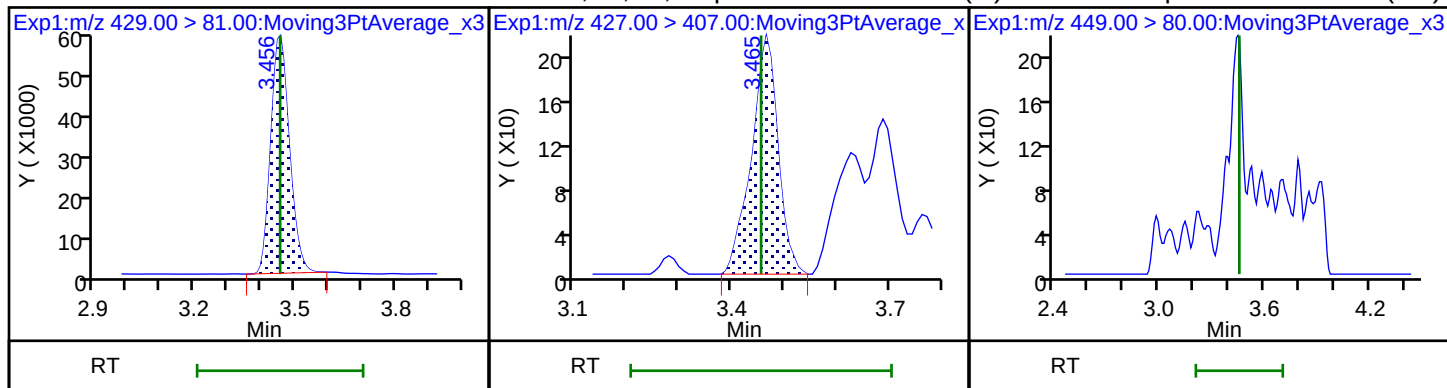
77 DONA (ND)

77 DONA (ND)



D 12 M2-6:2 FTS

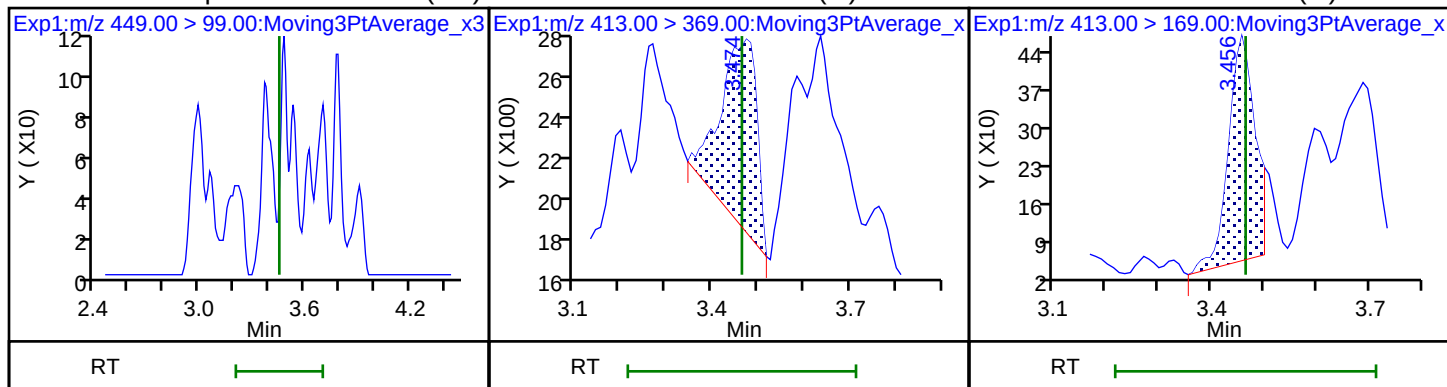
13 1H,1H,2H,2H-perfluorooctanesulfo (M) 16 Perfluoroheptanesulfonic acid (ND)



16 Perfluoroheptanesulfonic acid (ND)

15 Perfluorooctanoic acid (M)

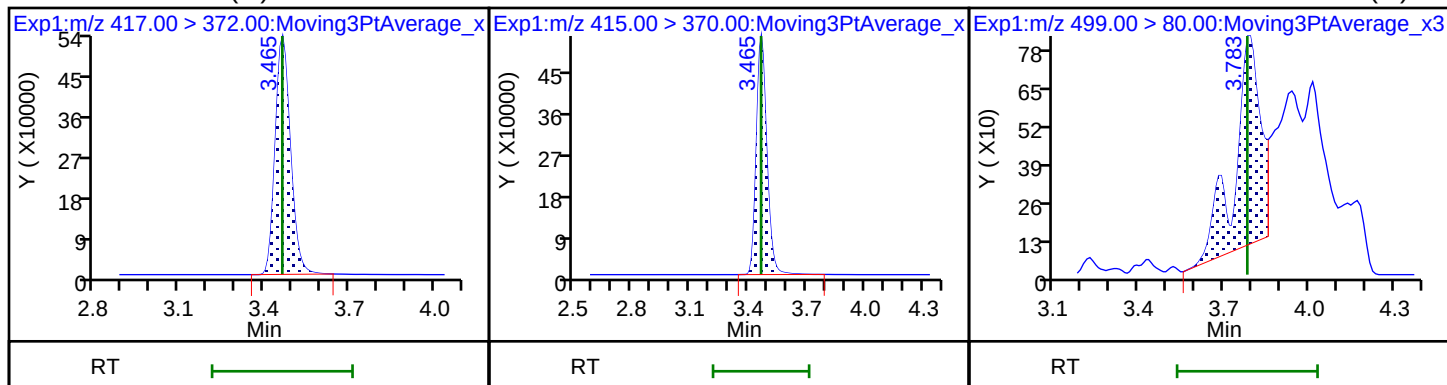
15 Perfluorooctanoic acid (M)



D 14 13C4 PFOA (M)

* 62 13C2 PFOA

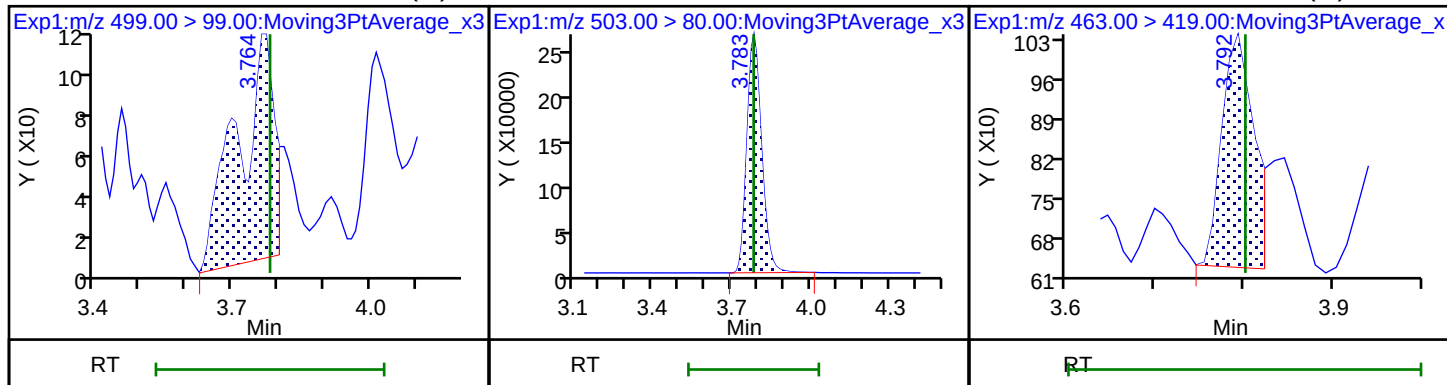
17 Perfluorooctanesulfonic acid (M)

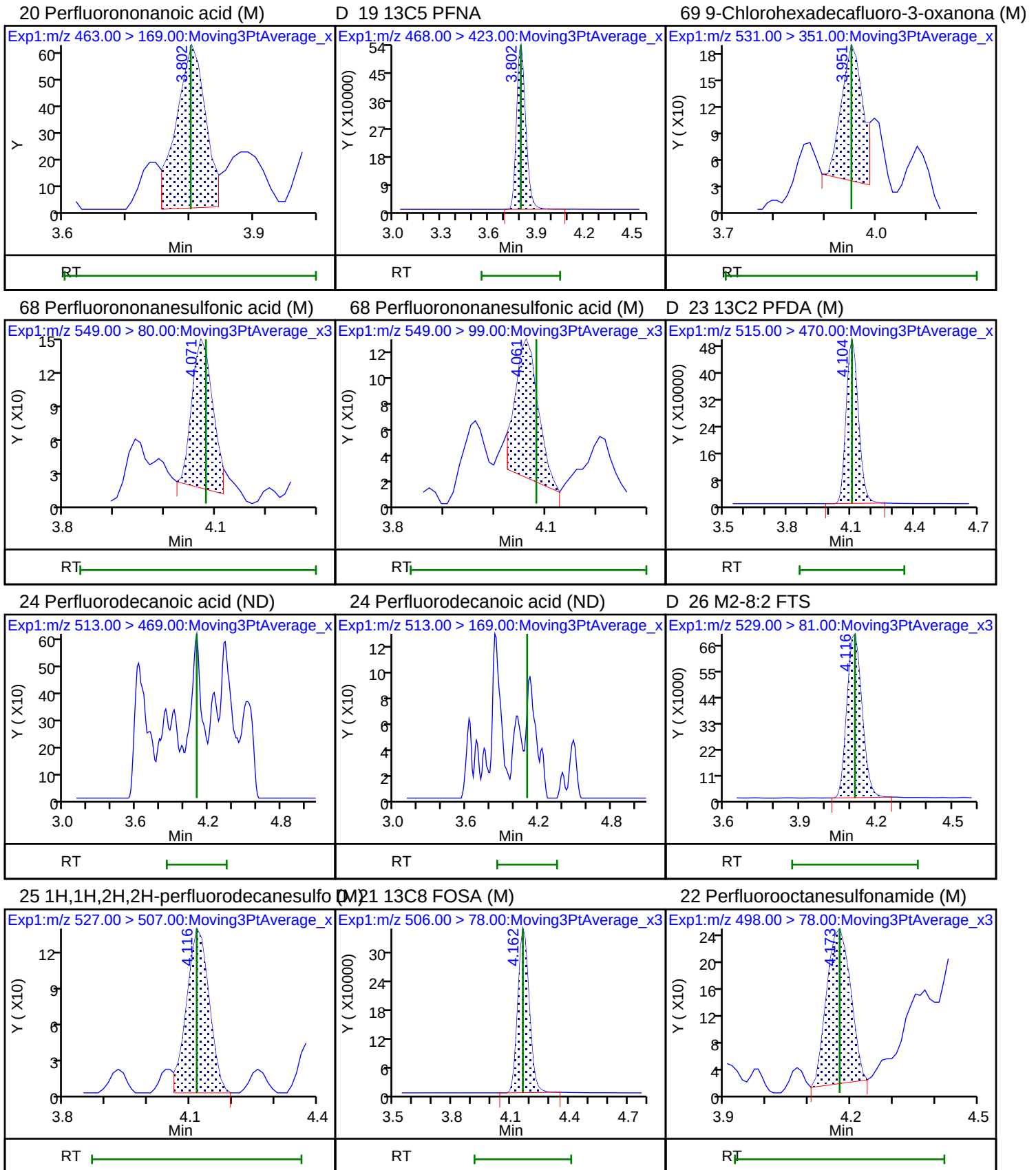


17 Perfluorooctanesulfonic acid (M)

D 18 13C4 PFOS

20 Perfluorononanoic acid (M)

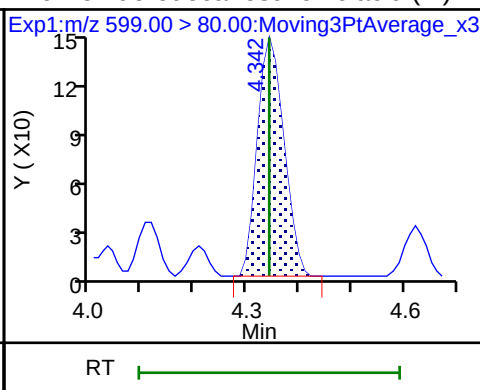
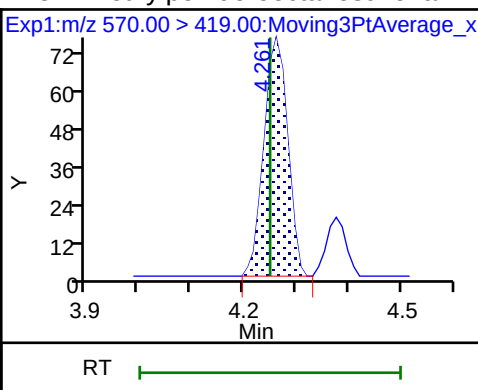
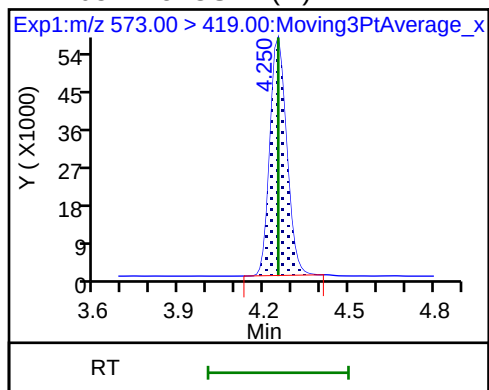




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami

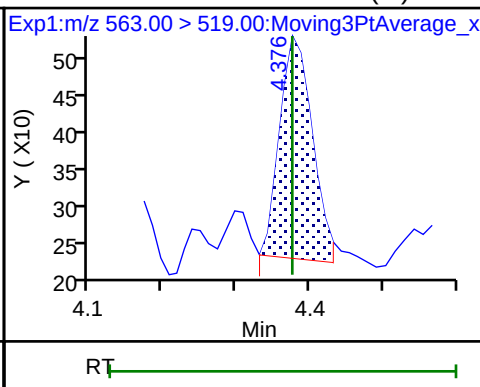
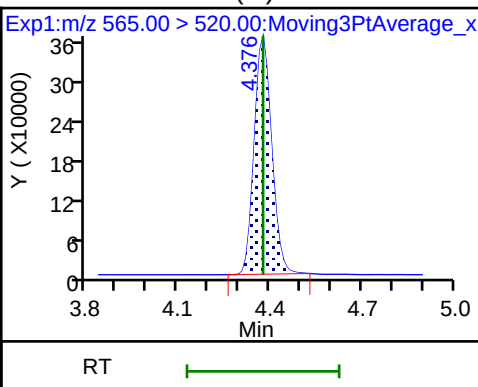
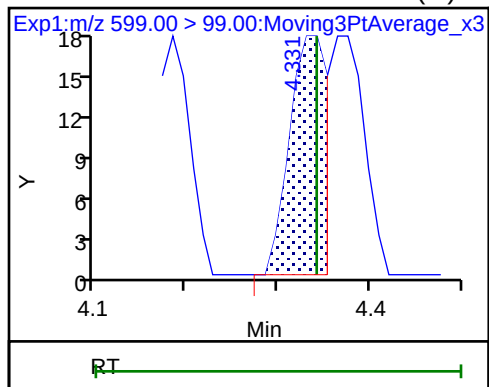
29 Perfluorodecanesulfonic acid (M)



29 Perfluorodecanesulfonic acid (M)

D 30 13C2 PFUnA (M)

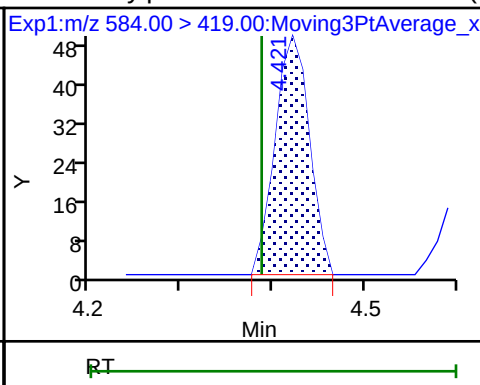
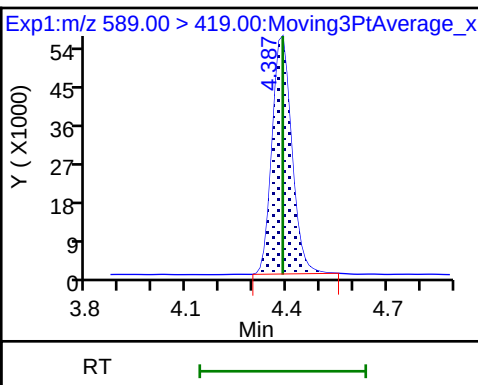
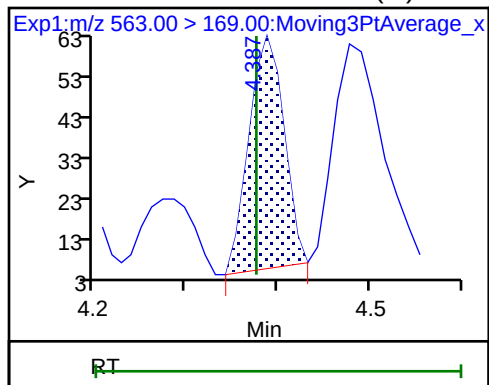
31 Perfluoroundecanoic acid (M)



31 Perfluoroundecanoic acid (M)

D 32 d5-NEtFOSAA

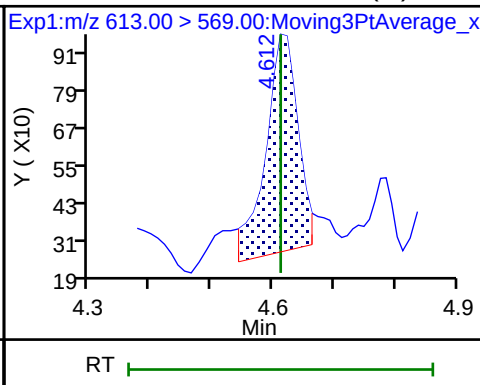
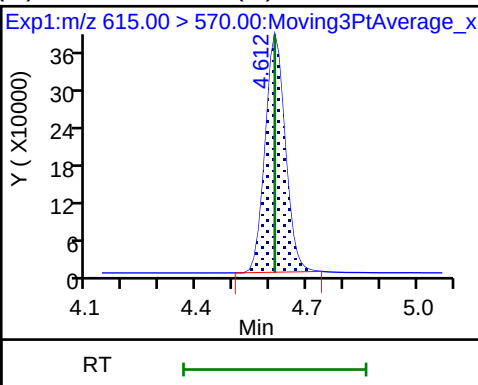
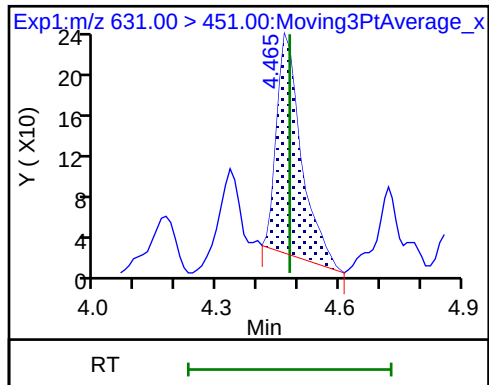
33 N-ethylperfluorooctanesulfonamid (M)



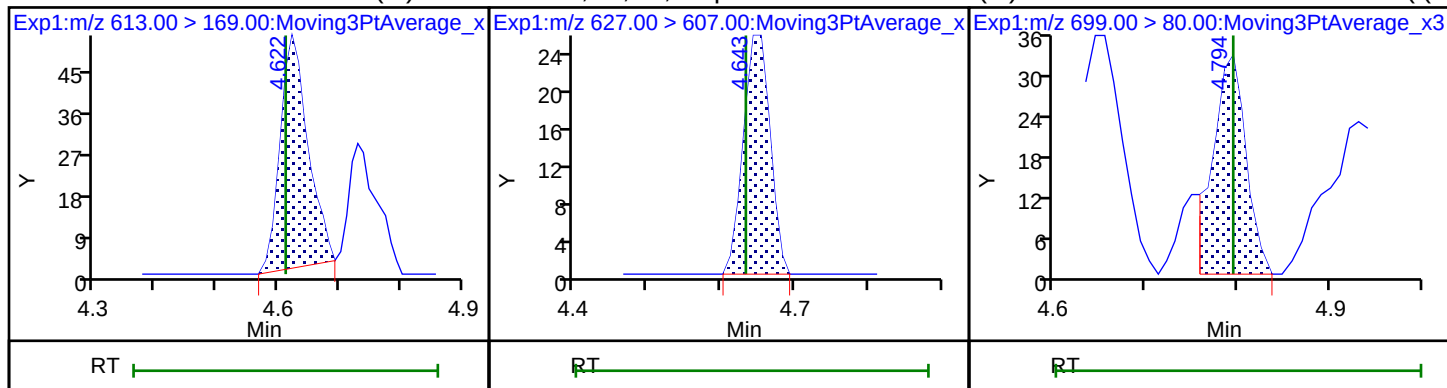
66 11-Chloroeicosafluoro-3-oxaundec (M)

36 13C2 PFDaA (M)

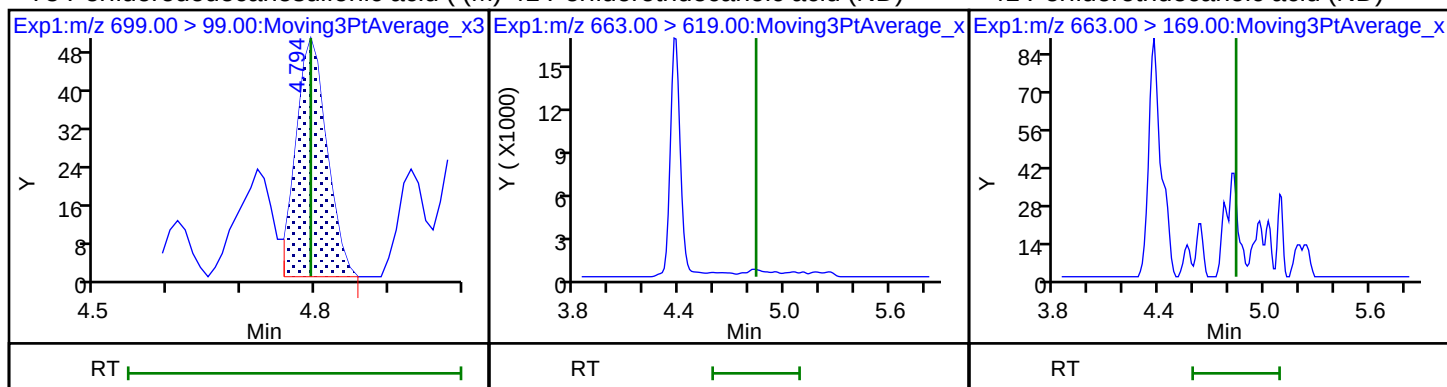
37 Perfluorododecanoic acid (M)



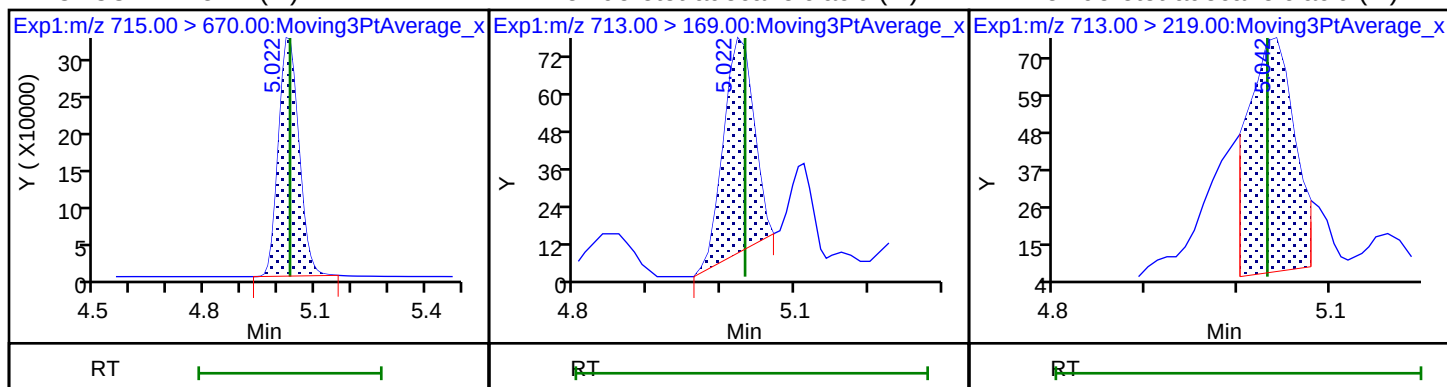
37 Perfluorododecanoic acid (M) 74 1H,1H,2H,2H-perfluorododecanesul (M) 75 Perfluorododecanesulfonic acid (M)



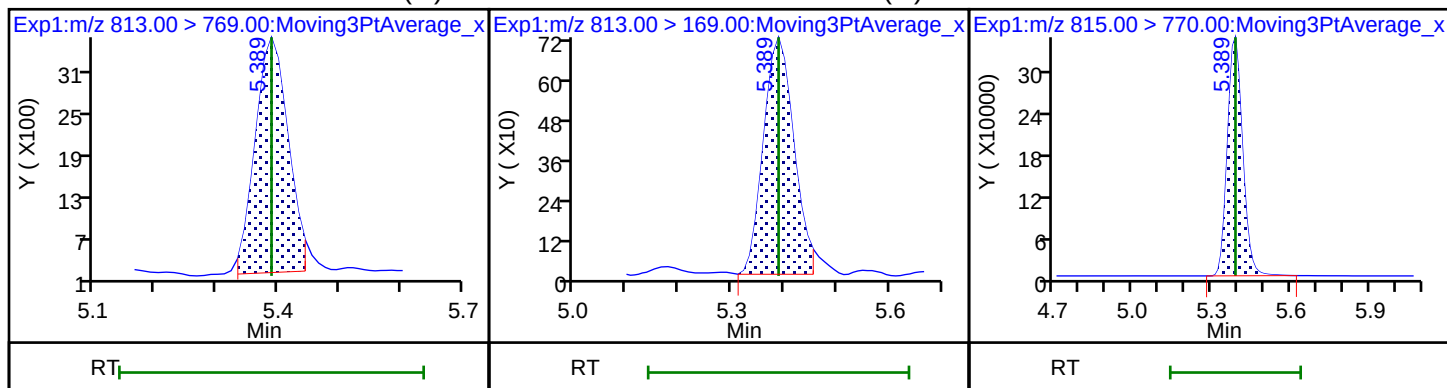
75 Perfluorododecanesulfonic acid (M) 41 Perfluorotridecanoic acid (ND) 41 Perfluorotridecanoic acid (ND)



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

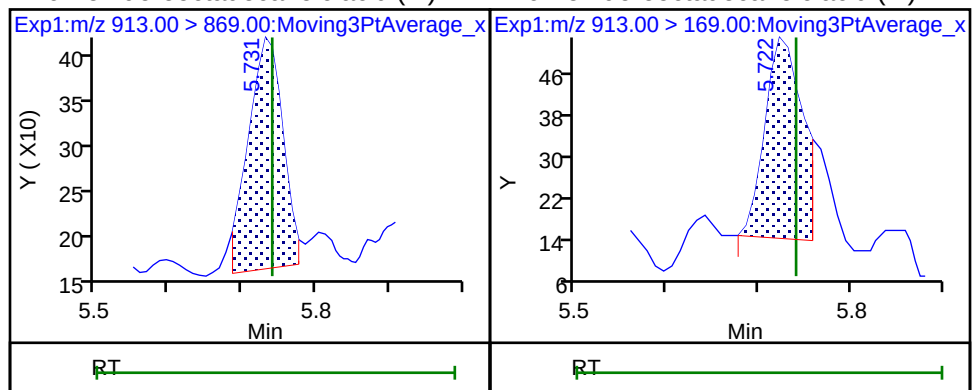


45 Perfluorohexadecanoic acid (M) 45 Perfluorohexadecanoic acid (M) D 44 13C2 PFHxDA



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A06.d

Injection Date: 09-Aug-2022 16:32:08

Instrument ID: LC812

Lims ID: MB 200-182492/1-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

3

Worklist Smp#: 6

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

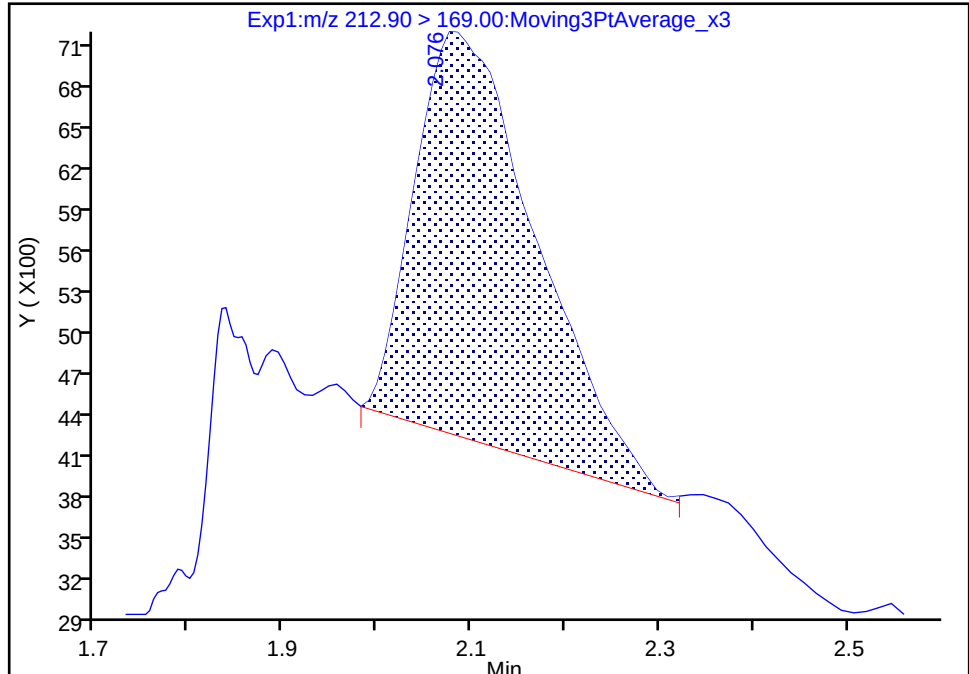
EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

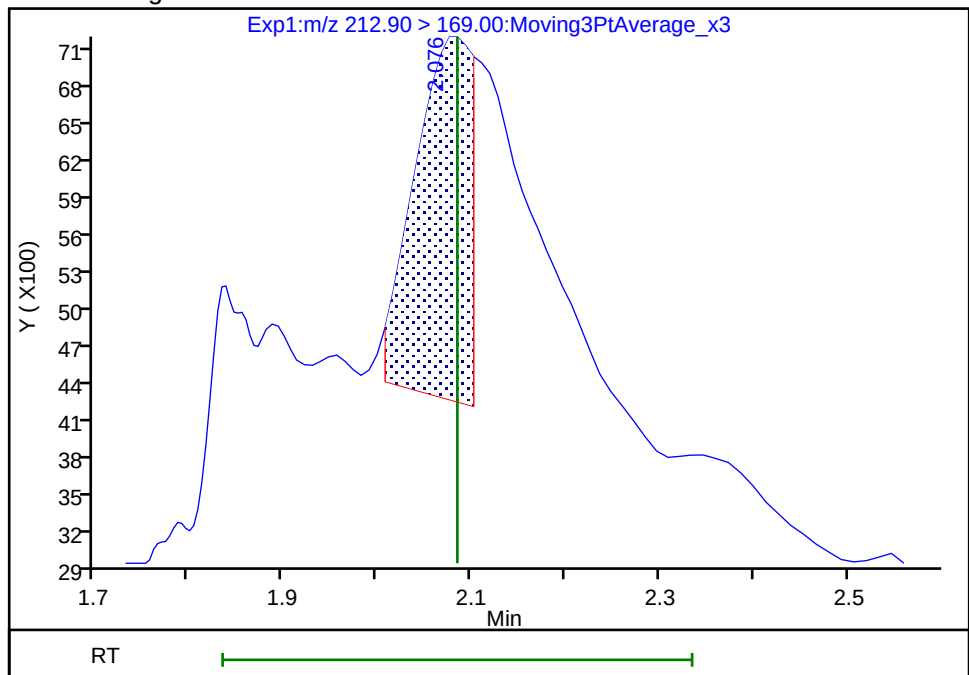
RT: 2.08
Area: 26543
Amount: 0.016244
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 11847
Amount: 0.007250
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:24:21

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

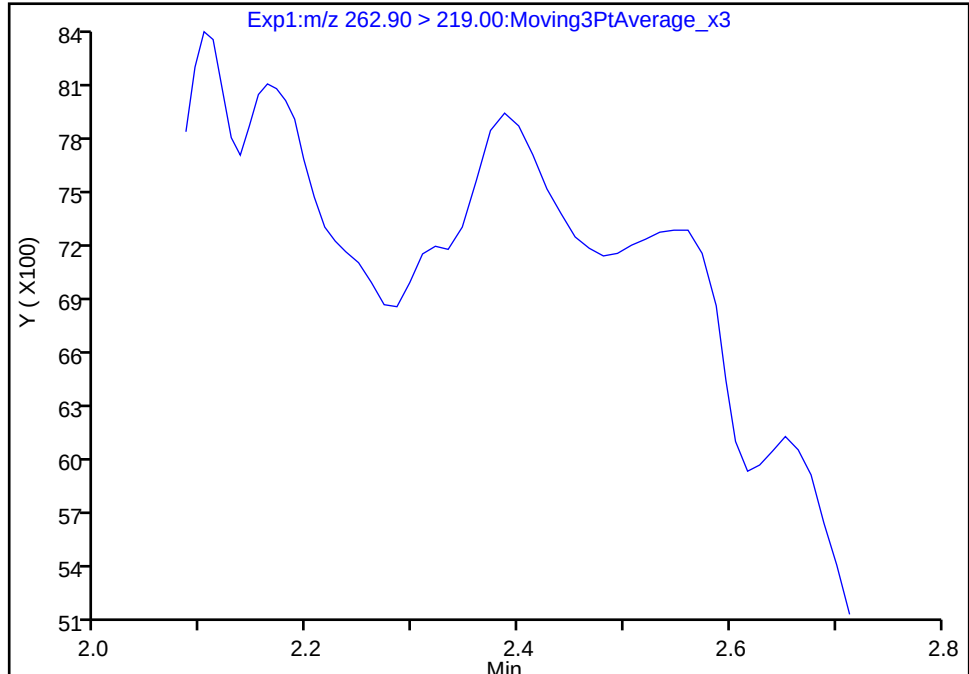
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A06.d
Injection Date: 09-Aug-2022 16:32:08 Instrument ID: LC812
Lims ID: MB 200-182492/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

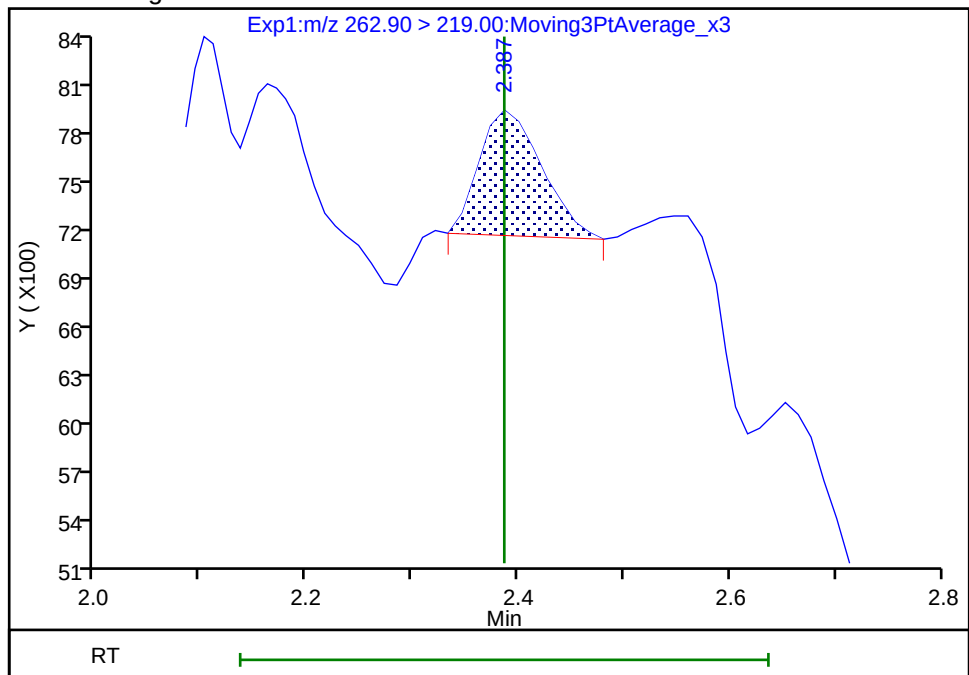
Signal: 1

Not Detected
Expected RT: 2.39

Processing Integration Results



Manual Integration Results



RT: 2.39
Area: 3102
Amount: 0.002031
Amount Units: ng/ml

Reviewer: khanphomeea, 10-Aug-2022 09:24:26

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

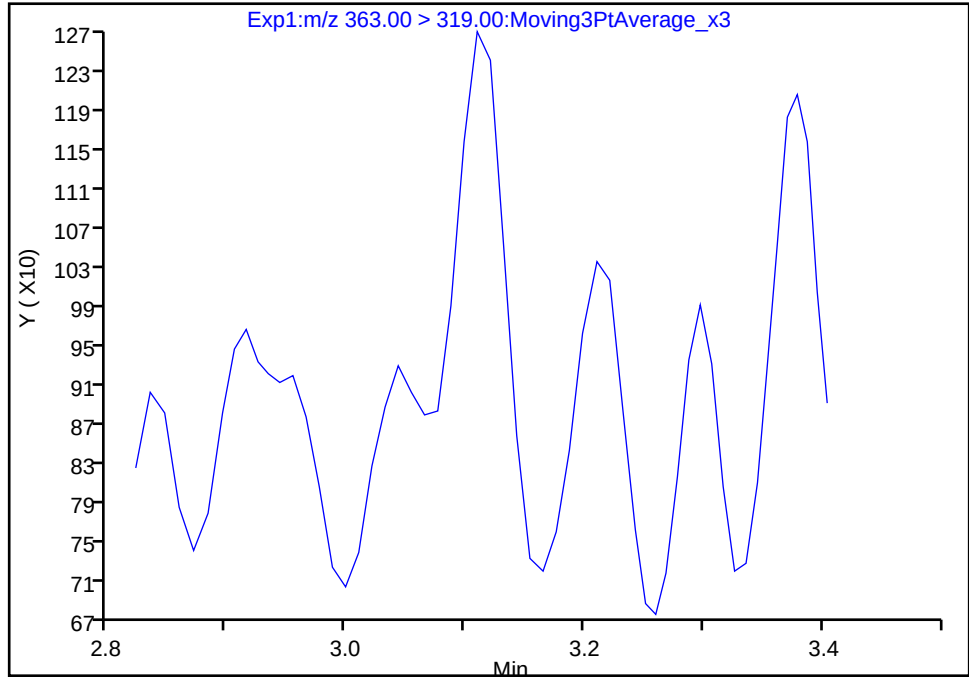
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A06.d
Injection Date: 09-Aug-2022 16:32:08 Instrument ID: LC812
Lims ID: MB 200-182492/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

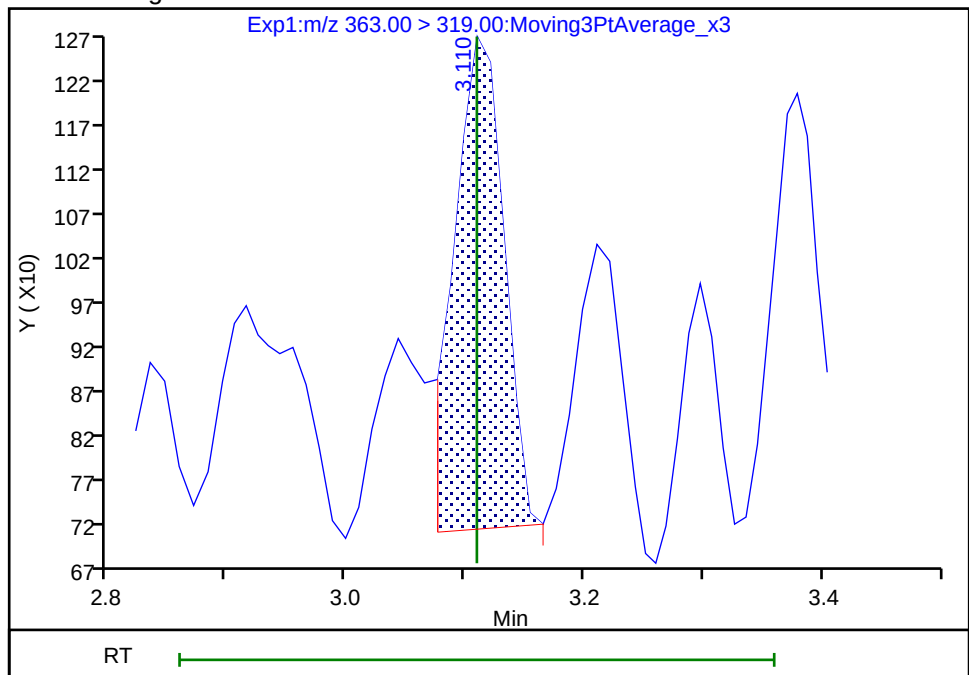
Signal: 1

Not Detected
Expected RT: 3.11

Processing Integration Results



Manual Integration Results



RT: 3.11
Area: 1578
Amount: 0.000994
Amount Units: ng/ml

Reviewer: khanphomeea, 10-Aug-2022 09:25:36

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

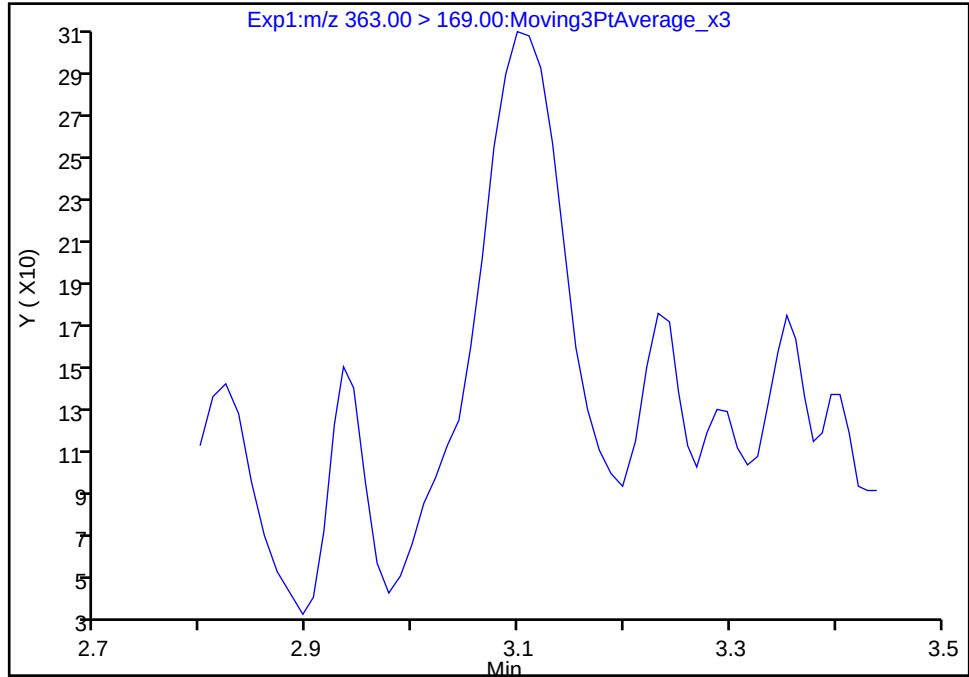
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A06.d
Injection Date: 09-Aug-2022 16:32:08 Instrument ID: LC812
Lims ID: MB 200-182492/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

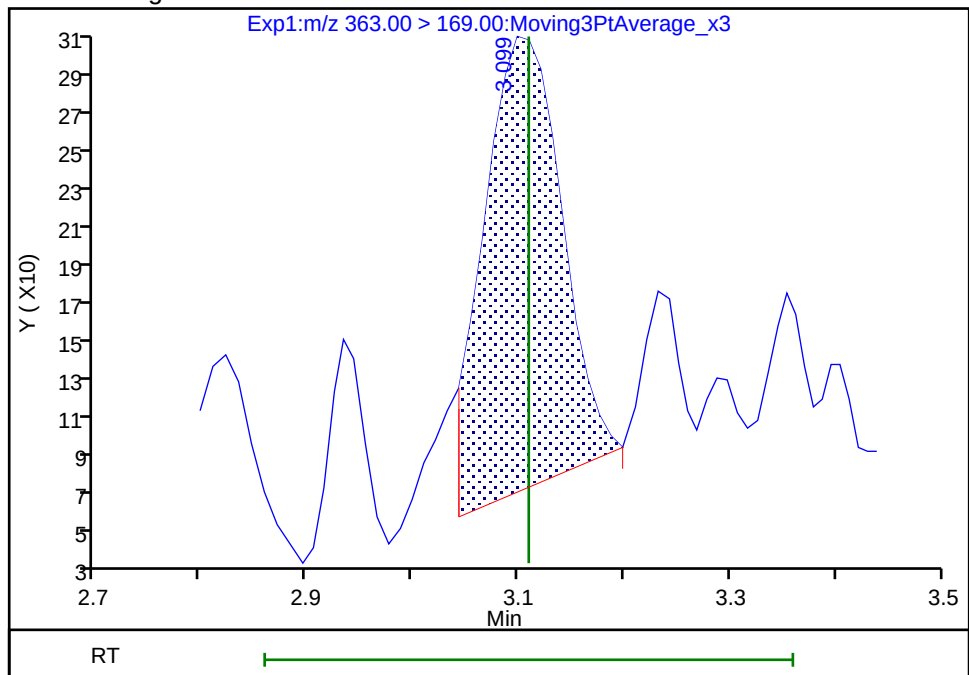
Not Detected
Expected RT: 3.11

Processing Integration Results



Manual Integration Results

RT: 3.10
Area: 1201
Amount: 0.000994
Amount Units: ng/ml



Reviewer: khanphomeea, 10-Aug-2022 09:25:37

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

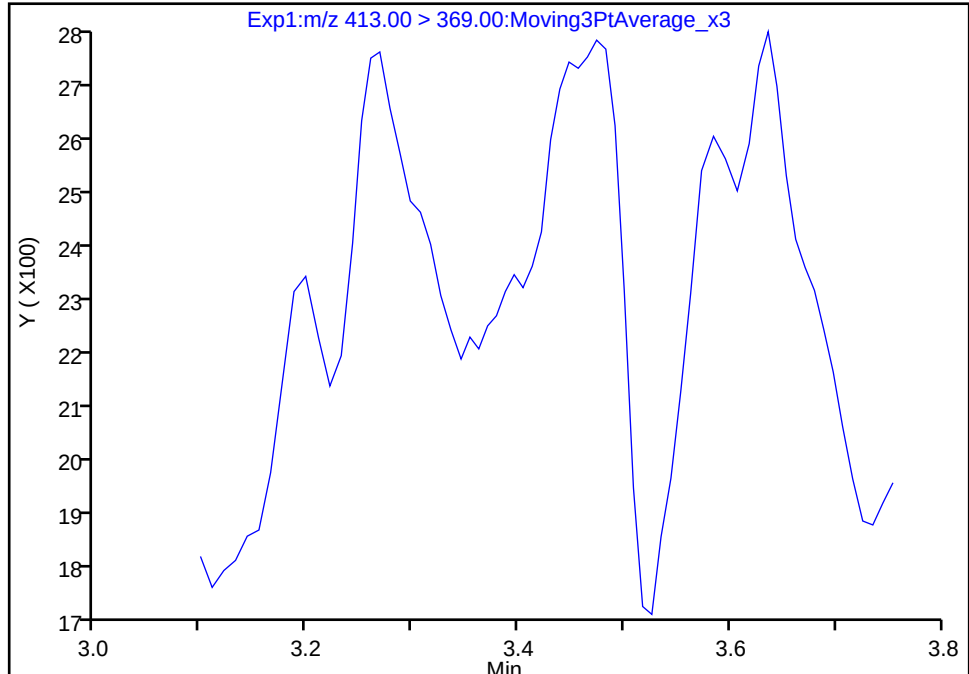
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A06.d
Injection Date: 09-Aug-2022 16:32:08 Instrument ID: LC812
Lims ID: MB 200-182492/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

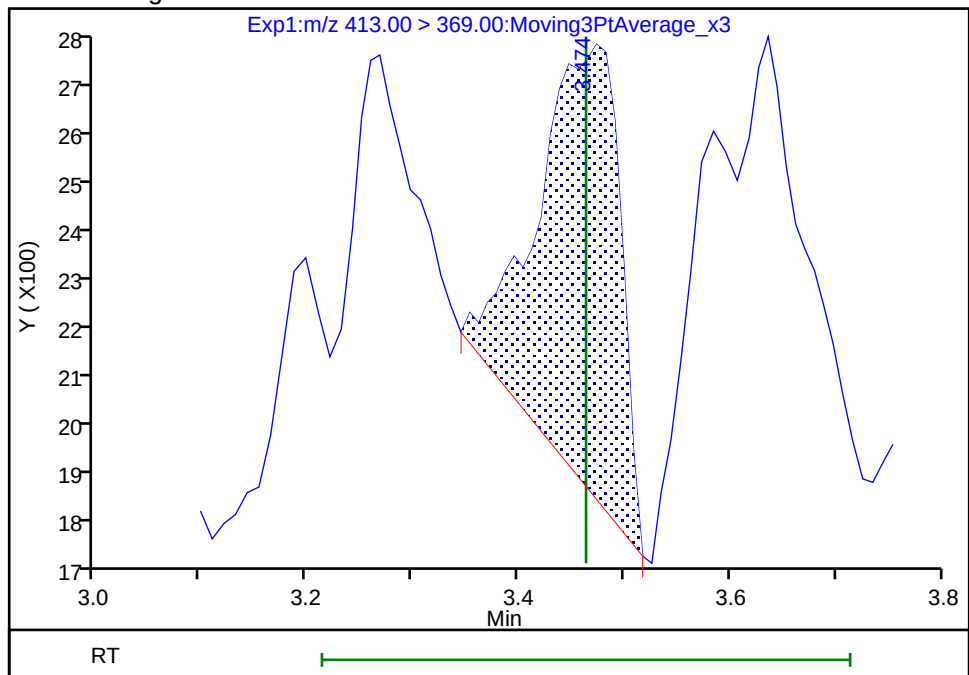
Signal: 1

Not Detected
Expected RT: 3.46

Processing Integration Results



Manual Integration Results



RT: 3.47
Area: 4682
Amount: 0.002607
Amount Units: ng/ml

Reviewer: khanphomeea, 10-Aug-2022 09:25:56

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

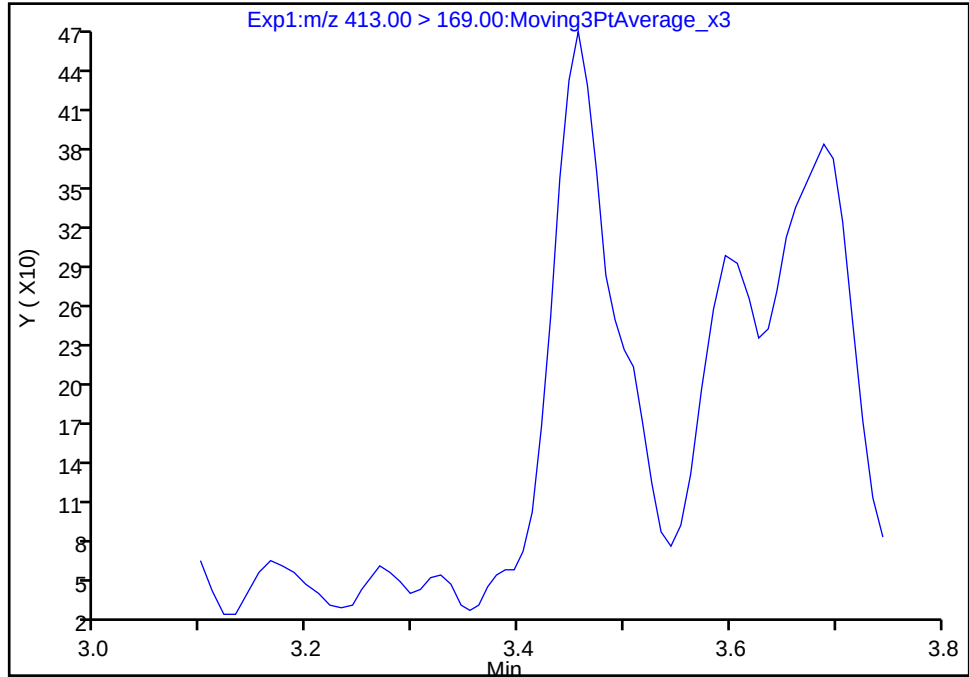
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A06.d
Injection Date: 09-Aug-2022 16:32:08 Instrument ID: LC812
Lims ID: MB 200-182492/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

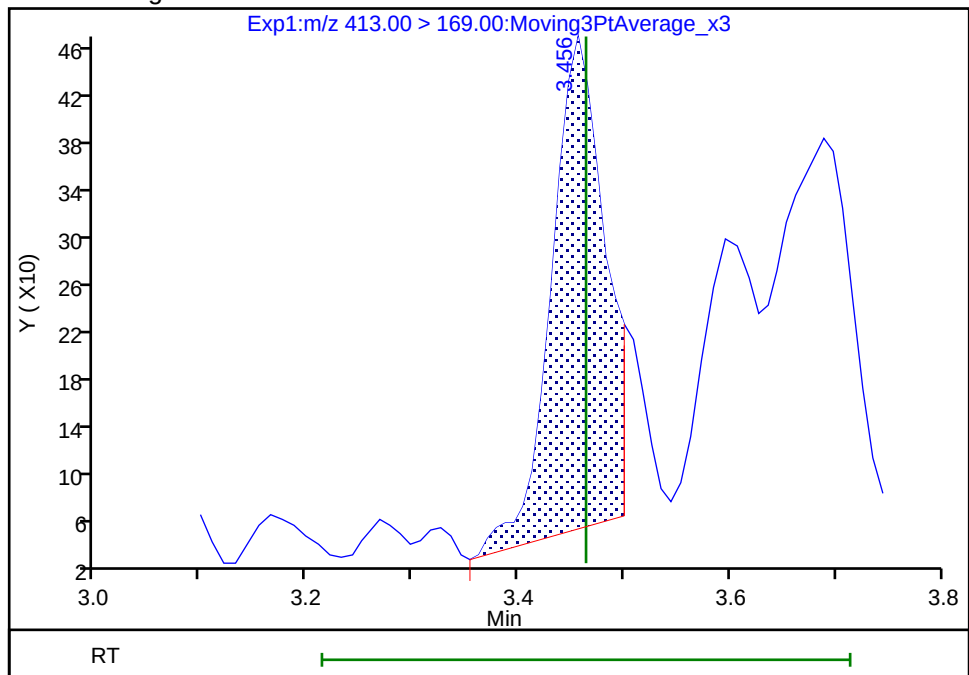
Not Detected
Expected RT: 3.46

Processing Integration Results



Manual Integration Results

RT: 3.46
Area: 1447
Amount: 0.002607
Amount Units: ng/ml



Reviewer: khanphomeea, 10-Aug-2022 09:26:05

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

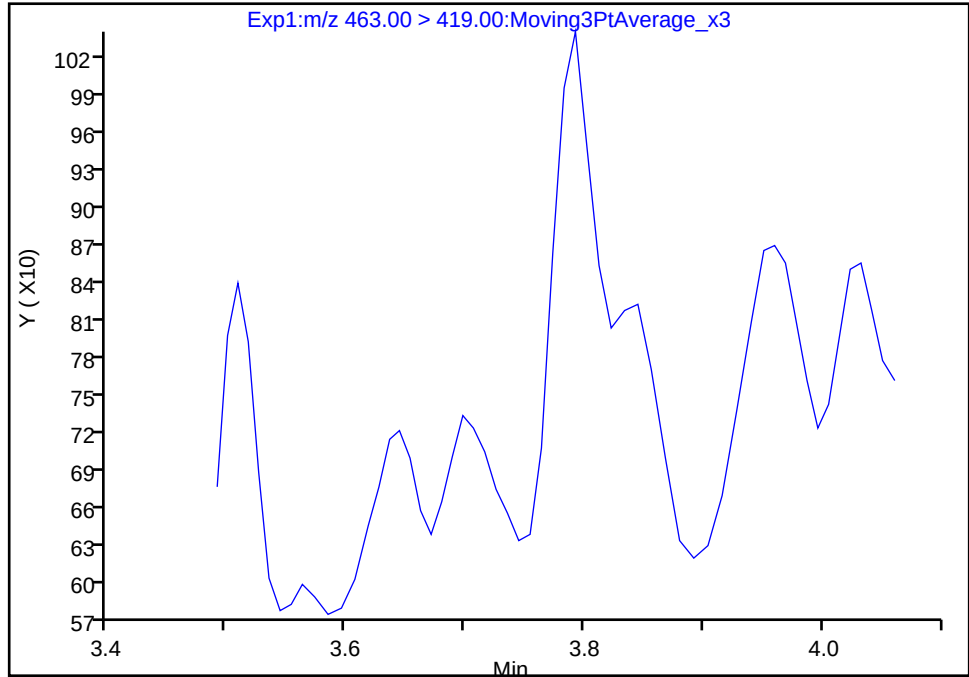
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A06.d
Injection Date: 09-Aug-2022 16:32:08 Instrument ID: LC812
Lims ID: MB 200-182492/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

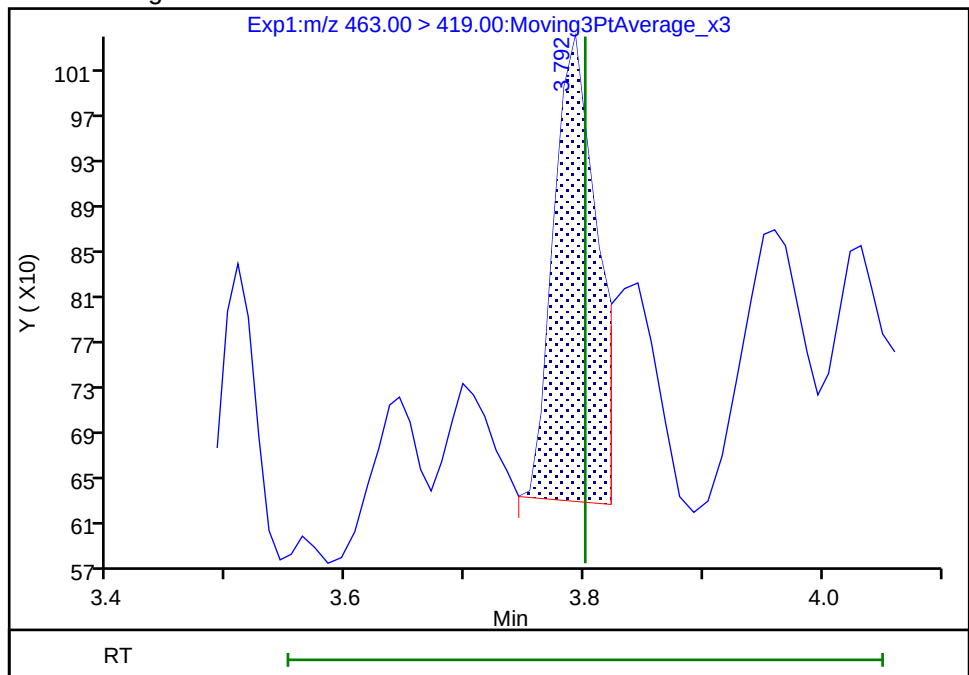
Not Detected
Expected RT: 3.80

Processing Integration Results



Manual Integration Results

RT: 3.79
Area: 1011
Amount: 0.000590
Amount Units: ng/ml



Reviewer: khanphomeea, 10-Aug-2022 09:26:54

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

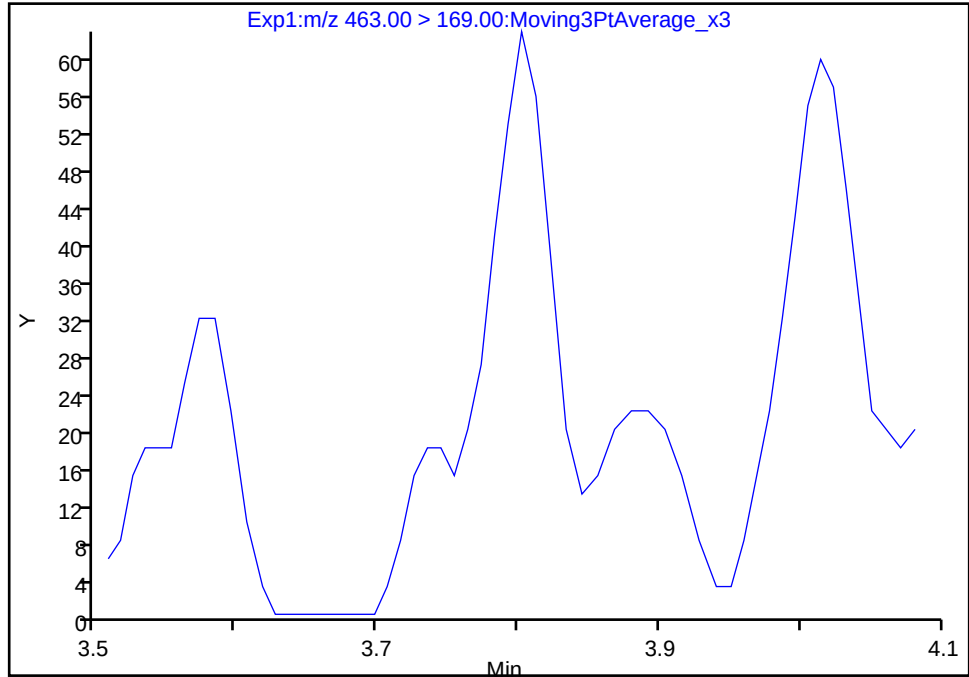
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A06.d
Injection Date: 09-Aug-2022 16:32:08 Instrument ID: LC812
Lims ID: MB 200-182492/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

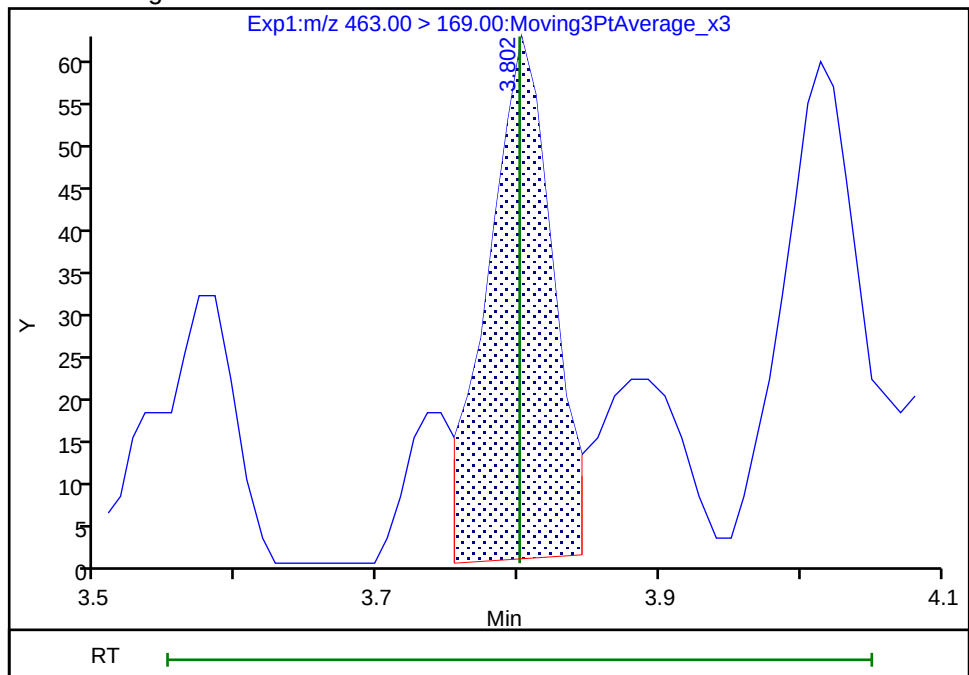
Not Detected
Expected RT: 3.80

Processing Integration Results



Manual Integration Results

RT: 3.80
Area: 197
Amount: 0.000590
Amount Units: ng/ml



Reviewer: khanphomeea, 10-Aug-2022 09:26:59

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A06.d

Injection Date: 09-Aug-2022 16:32:08

Instrument ID: LC812

Lims ID: MB 200-182492/1-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

3

Worklist Smp#: 6

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

EXP1

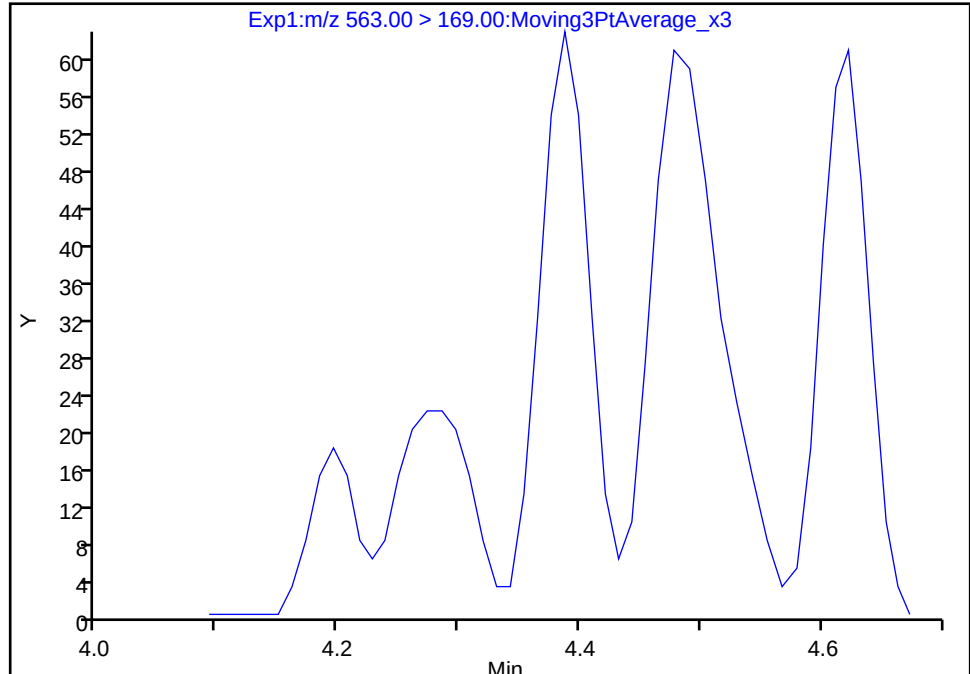
31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

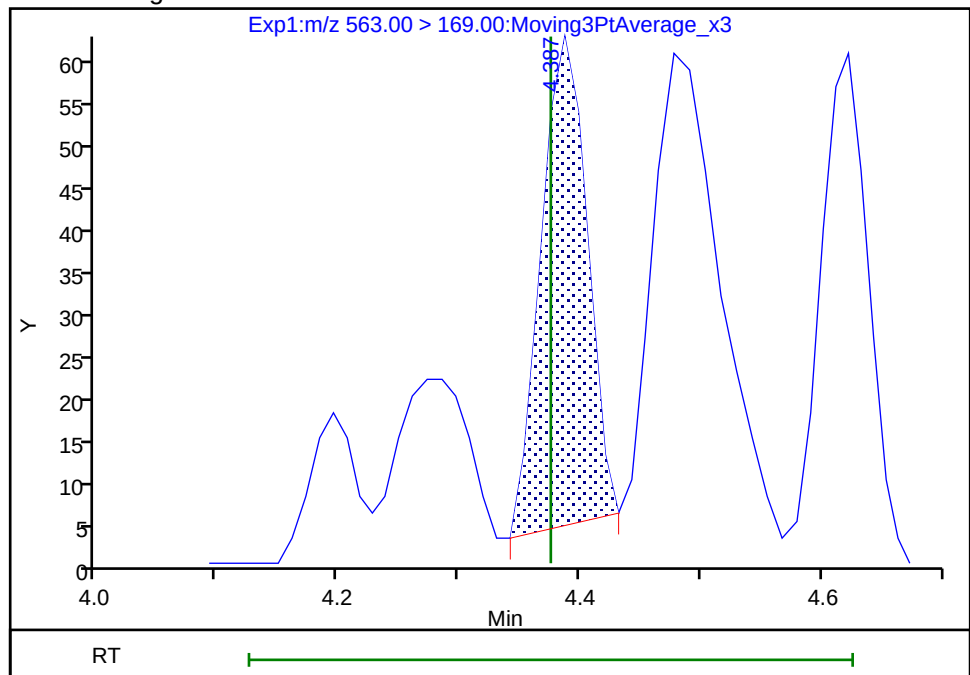
Not Detected

Expected RT: 4.38

Processing Integration Results



Manual Integration Results



RT: 4.39

Area: 155

Amount: 0.000751

Amount Units: ng/ml

Reviewer: khanphomeea, 10-Aug-2022 09:28:09

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

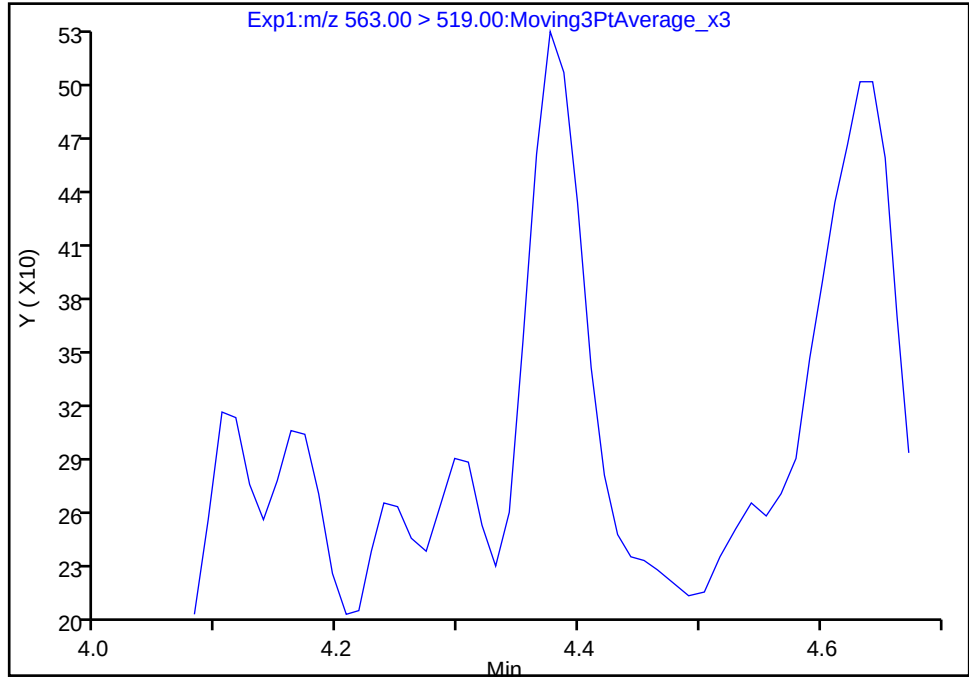
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A06.d
Injection Date: 09-Aug-2022 16:32:08 Instrument ID: LC812
Lims ID: MB 200-182492/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

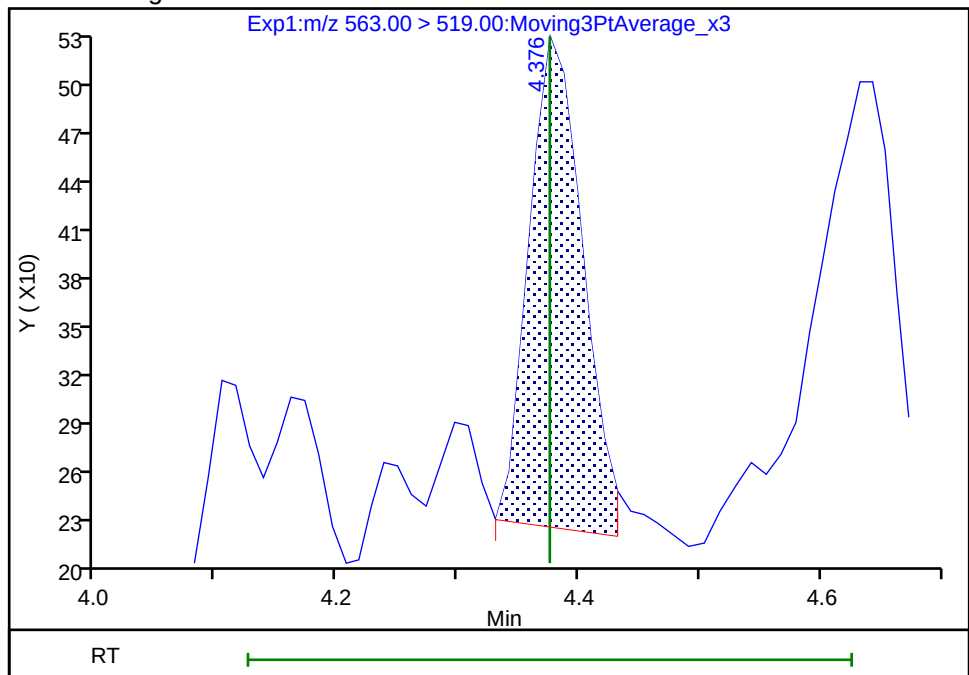
Signal: 1

Not Detected
Expected RT: 4.38

Processing Integration Results



Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:28:12

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A06.d

Injection Date: 09-Aug-2022 16:32:08

Instrument ID: LC812

Lims ID: MB 200-182492/1-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

3

Worklist Smp#: 6

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

EXP1

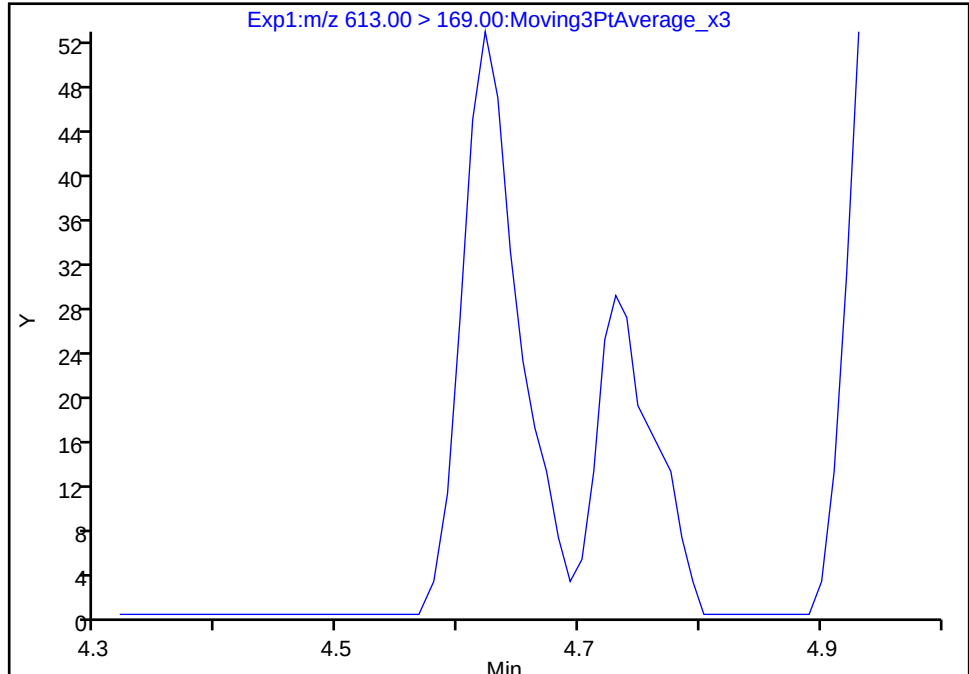
37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

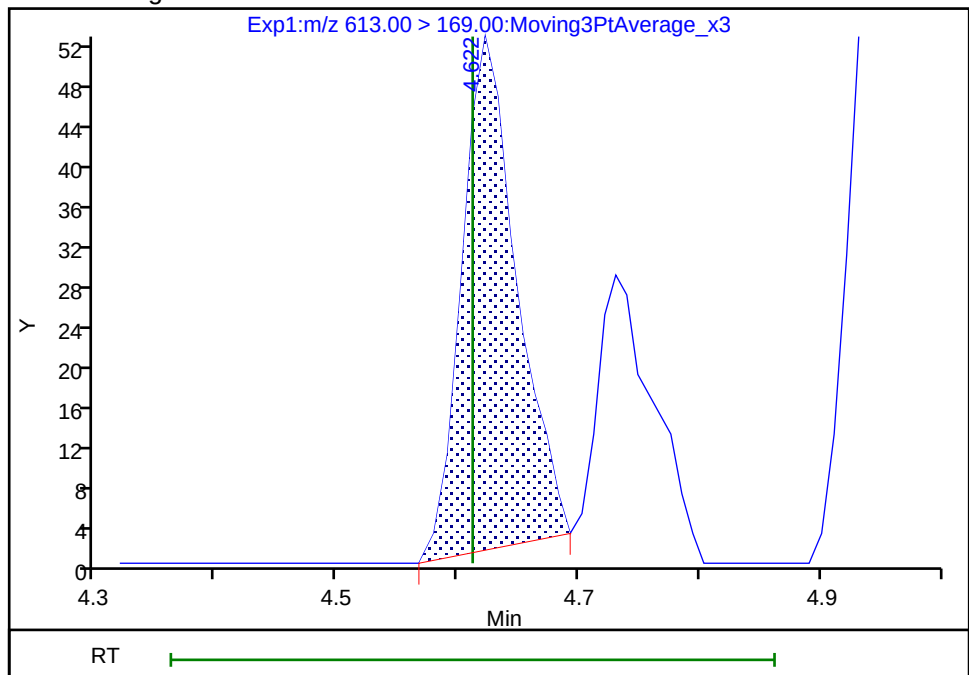
Not Detected

Expected RT: 4.61

Processing Integration Results



Manual Integration Results



RT: 4.62

Area: 162

Amount: 0.002207

Amount Units: ng/ml

Reviewer: khanphomeea, 10-Aug-2022 09:28:35

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

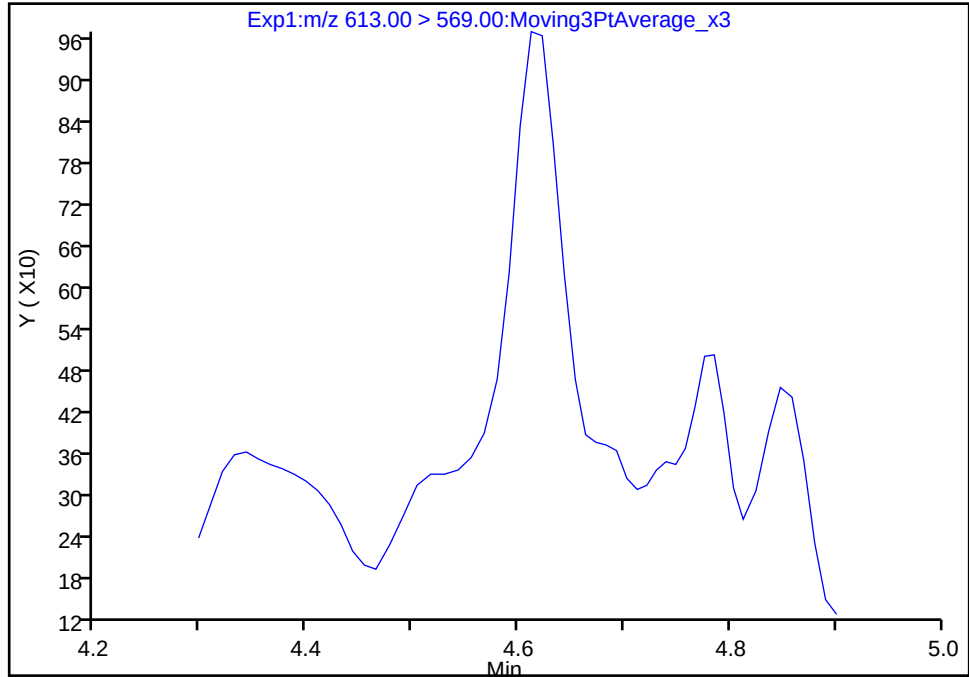
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A06.d
Injection Date: 09-Aug-2022 16:32:08 Instrument ID: LC812
Lims ID: MB 200-182492/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

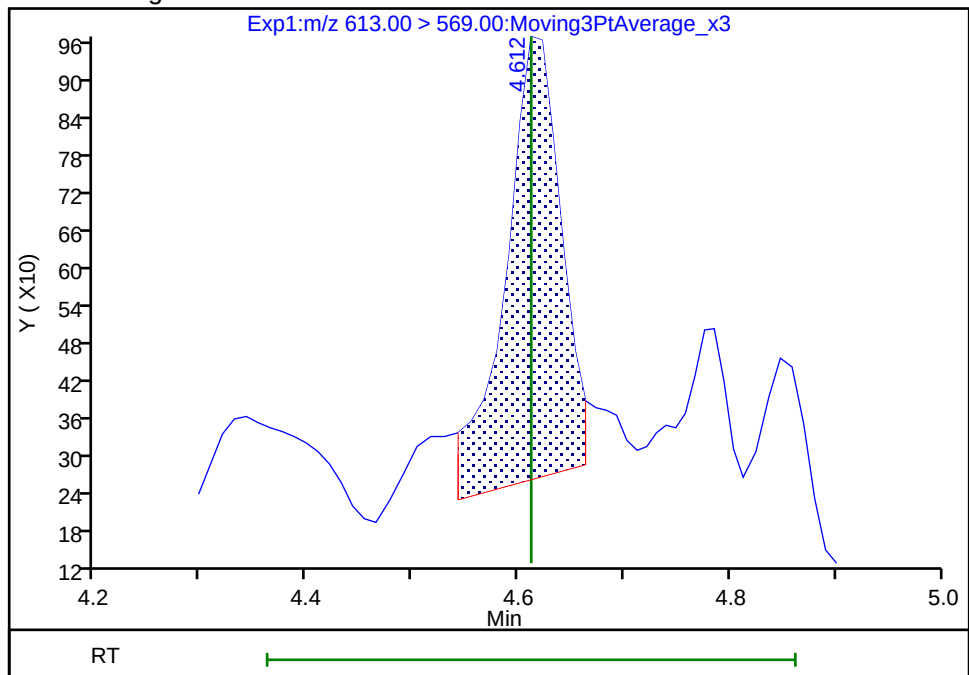
Not Detected
Expected RT: 4.61

Processing Integration Results



Manual Integration Results

RT: 4.61
Area: 2566
Amount: 0.002207
Amount Units: ng/ml



Reviewer: khanphomeea, 10-Aug-2022 09:28:41

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

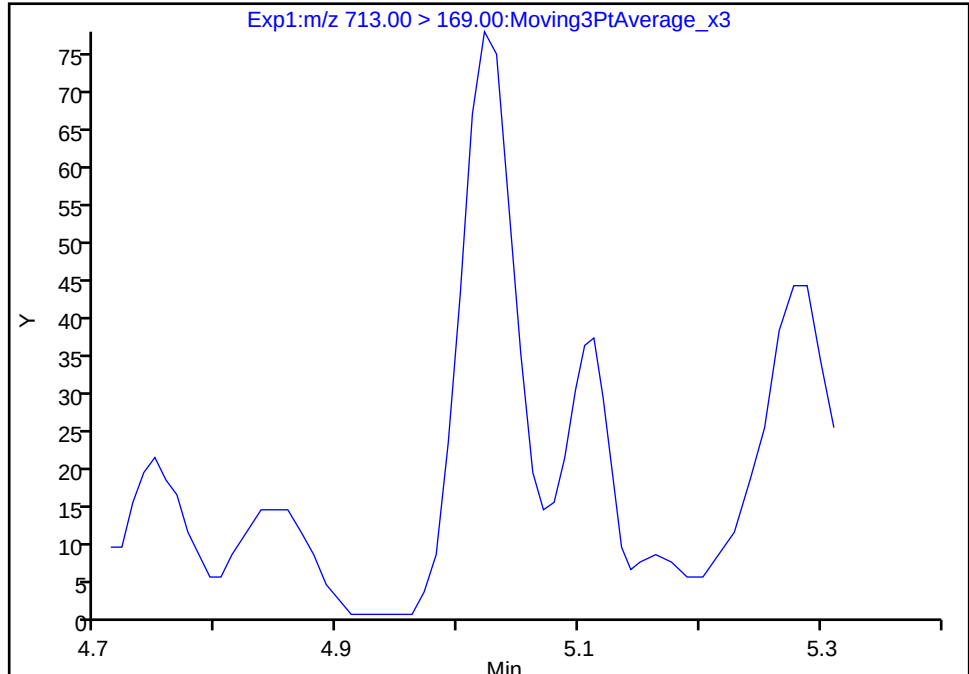
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A06.d
Injection Date: 09-Aug-2022 16:32:08 Instrument ID: LC812
Lims ID: MB 200-182492/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

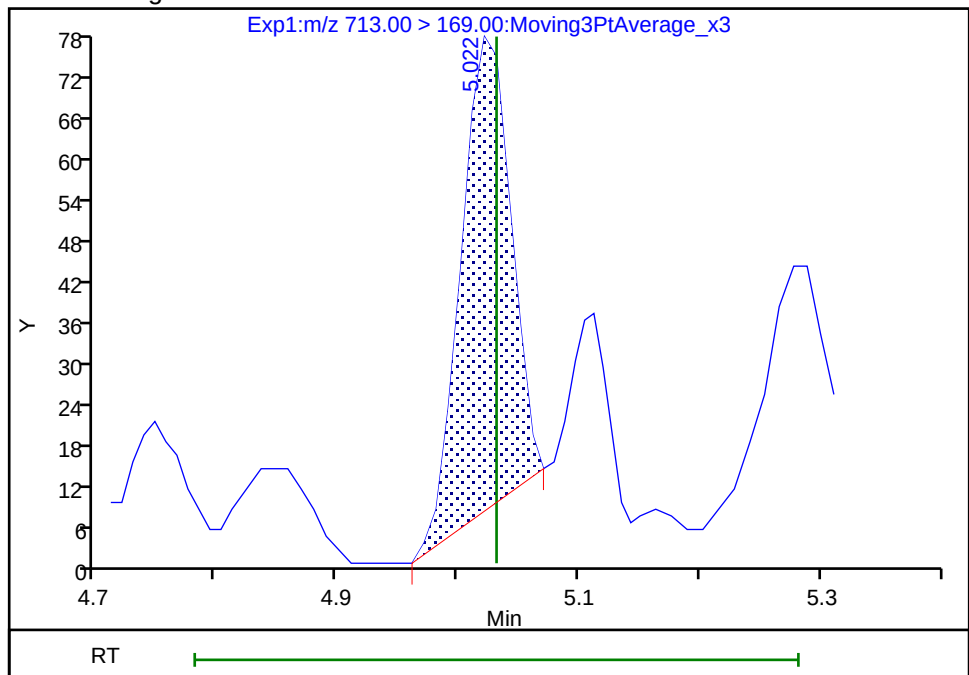
Signal: 1

Not Detected
Expected RT: 5.03

Processing Integration Results



Manual Integration Results



RT: 5.02
Area: 200
Amount: 0.001253
Amount Units: ng/ml

Reviewer: khanphomeea, 10-Aug-2022 09:29:14

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

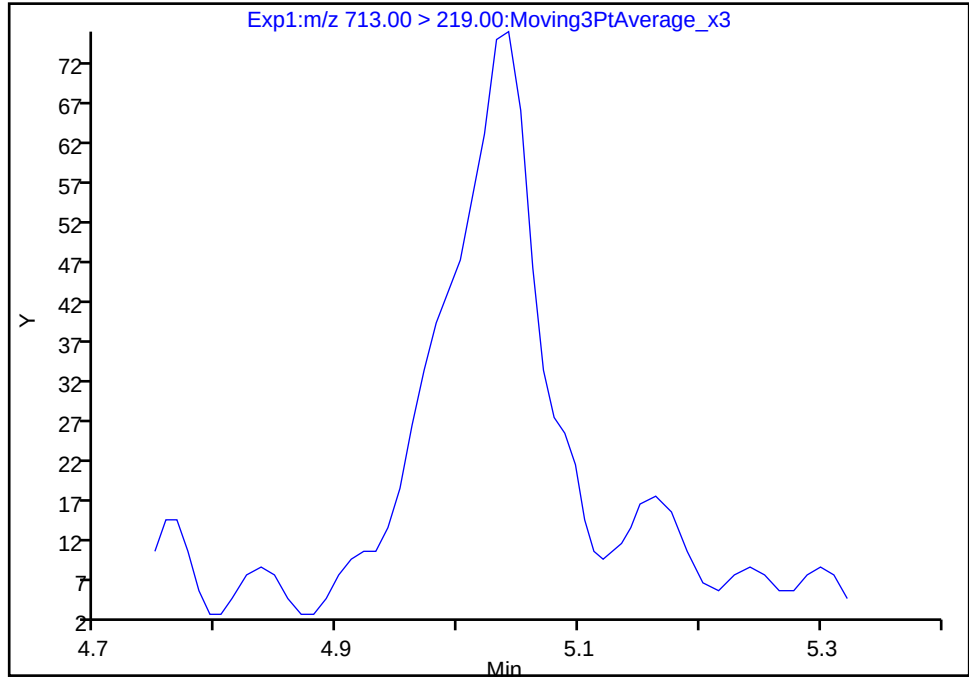
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A06.d
Injection Date: 09-Aug-2022 16:32:08 Instrument ID: LC812
Lims ID: MB 200-182492/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

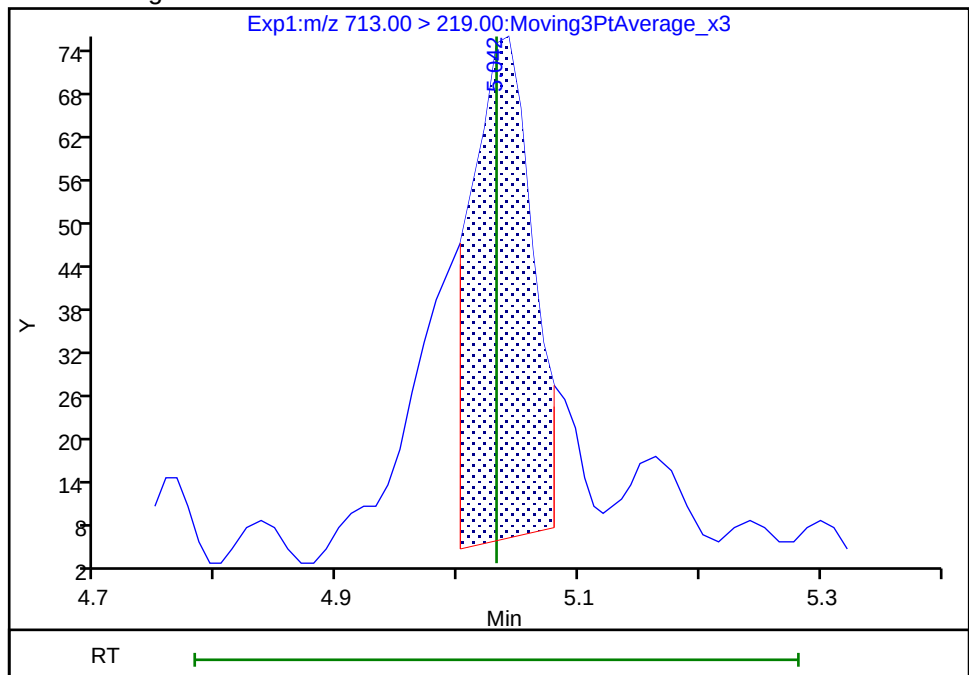
Not Detected
Expected RT: 5.03

Processing Integration Results



Manual Integration Results

RT: 5.04
Area: 240
Amount: 0.001253
Amount Units: ng/ml



Reviewer: khanphomeea, 10-Aug-2022 09:29:21

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

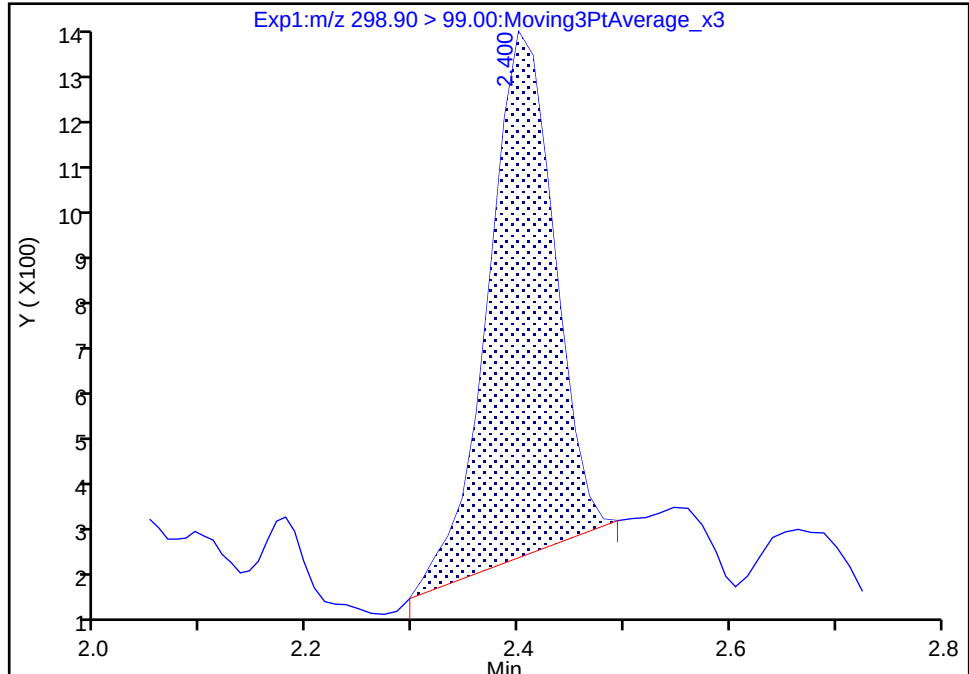
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A06.d
Injection Date: 09-Aug-2022 16:32:08 Instrument ID: LC812
Lims ID: MB 200-182492/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

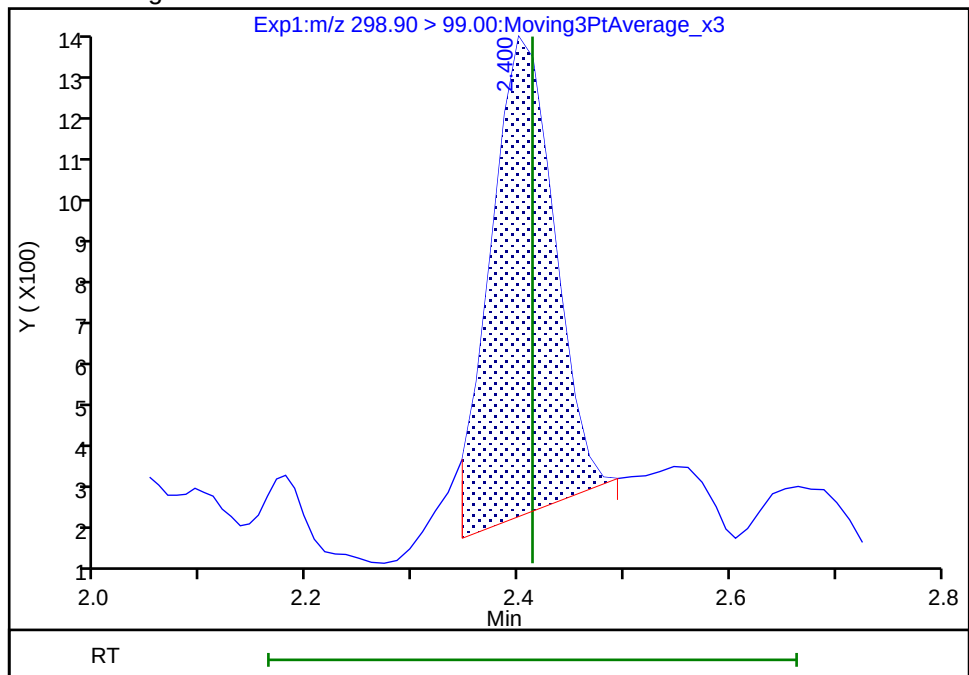
RT: 2.40
Area: 4454
Amount: 0.005227
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 4321
Amount: 0.005227
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:24:34

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

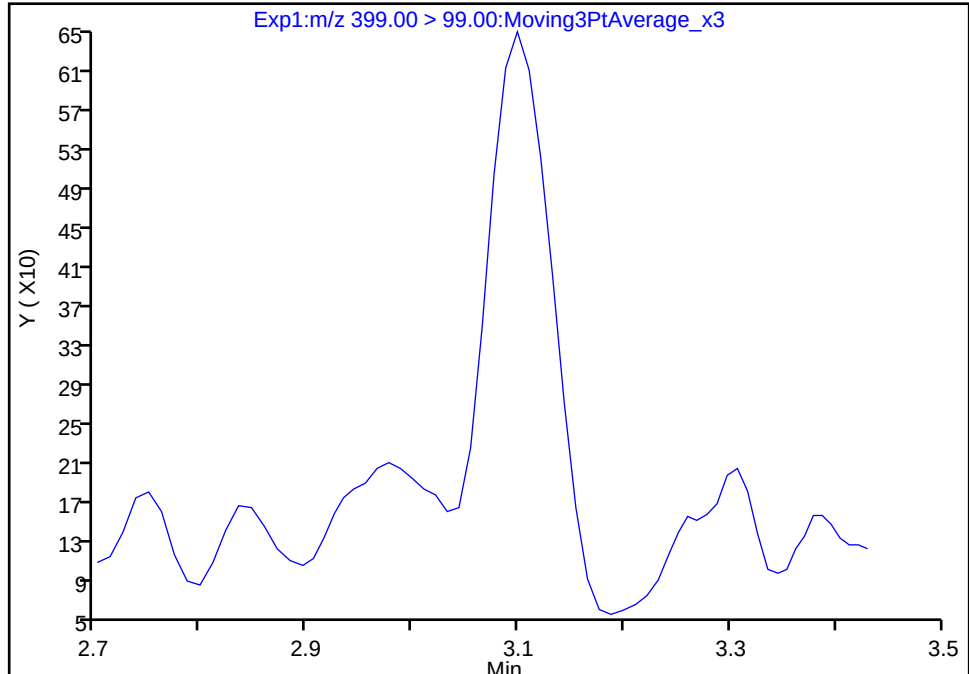
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A06.d
Injection Date: 09-Aug-2022 16:32:08 Instrument ID: LC812
Lims ID: MB 200-182492/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

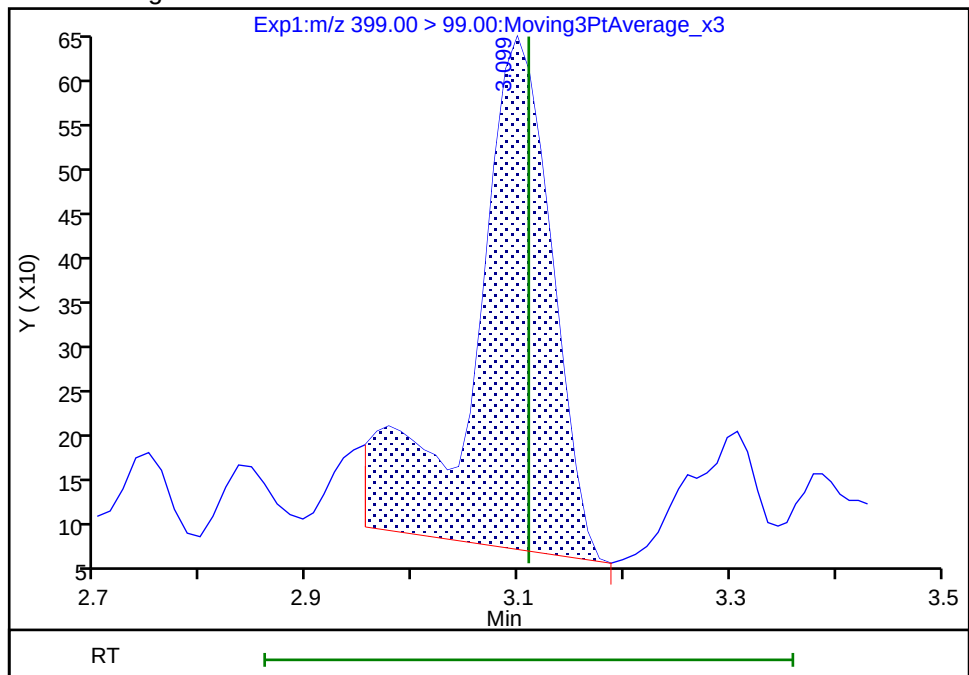
Not Detected
Expected RT: 3.11

Processing Integration Results



RT: 3.10
Area: 2985
Amount: 0.004876
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:25:19

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

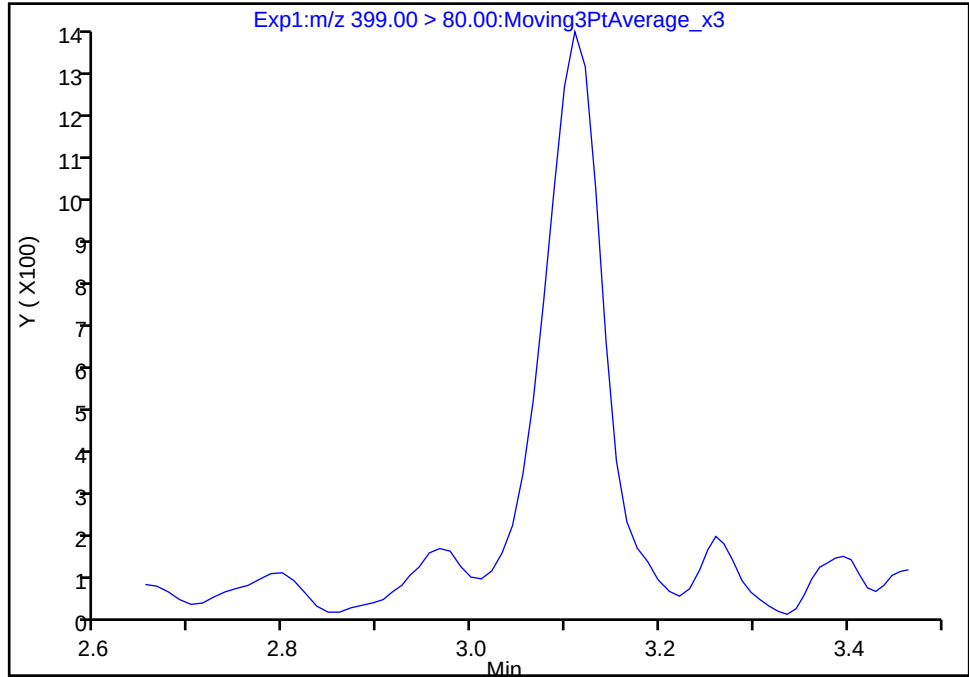
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A06.d
Injection Date: 09-Aug-2022 16:32:08 Instrument ID: LC812
Lims ID: MB 200-182492/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

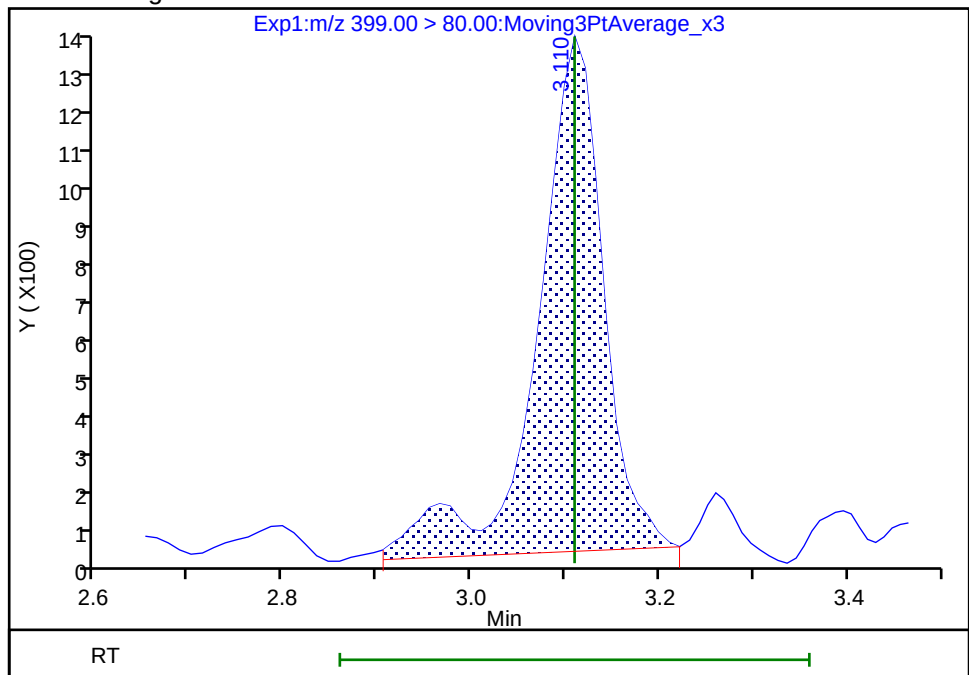
Not Detected
Expected RT: 3.11

Processing Integration Results



Manual Integration Results

RT: 3.11
Area: 6449
Amount: 0.004876
Amount Units: ng/ml



Reviewer: khanphomeea, 10-Aug-2022 09:25:20

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

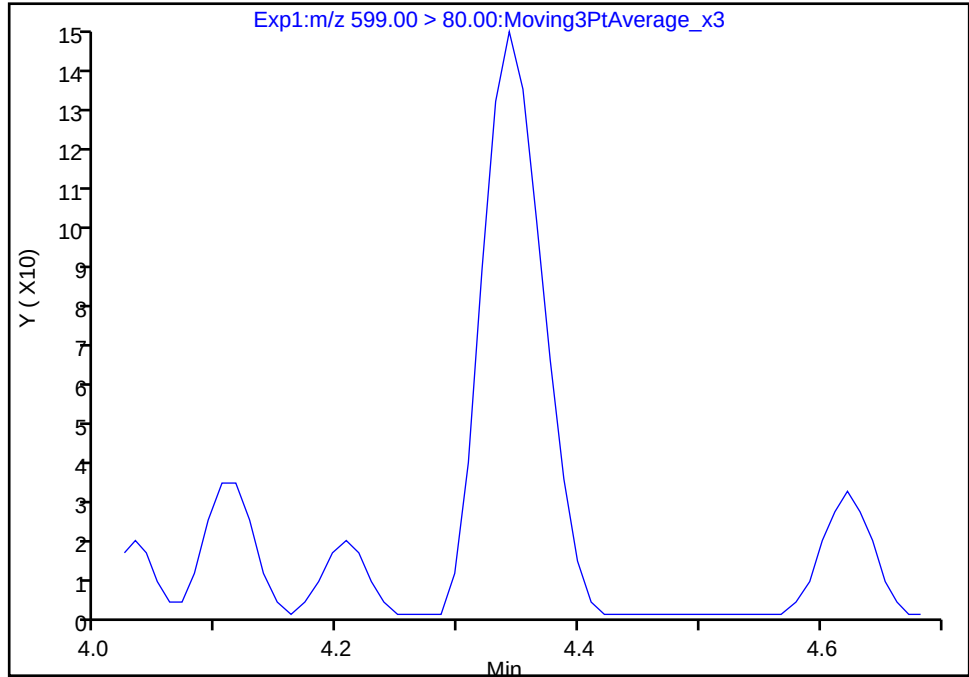
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A06.d
Injection Date: 09-Aug-2022 16:32:08 Instrument ID: LC812
Lims ID: MB 200-182492/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

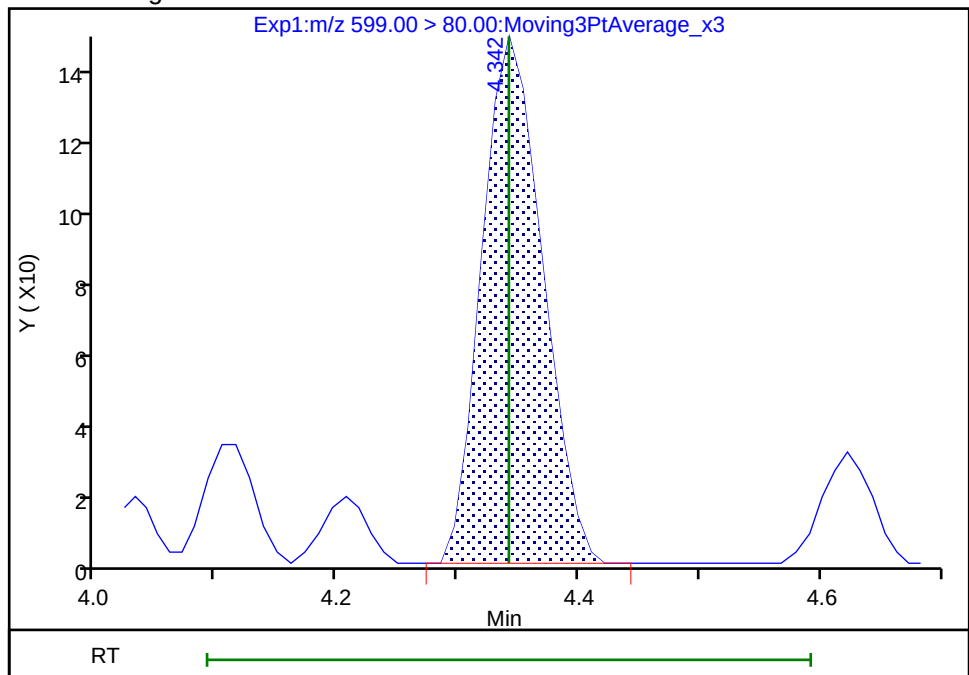
Not Detected
Expected RT: 4.34

Processing Integration Results



RT: 4.34
Area: 496
Amount: 0.000995
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:46:24
Audit Action: Manually Integrated

Audit Reason: Missed Peak

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A06.d

Injection Date: 09-Aug-2022 16:32:08

Instrument ID: LC812

Lims ID: MB 200-182492/1-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

3

Worklist Smp#: 6

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

EXP1

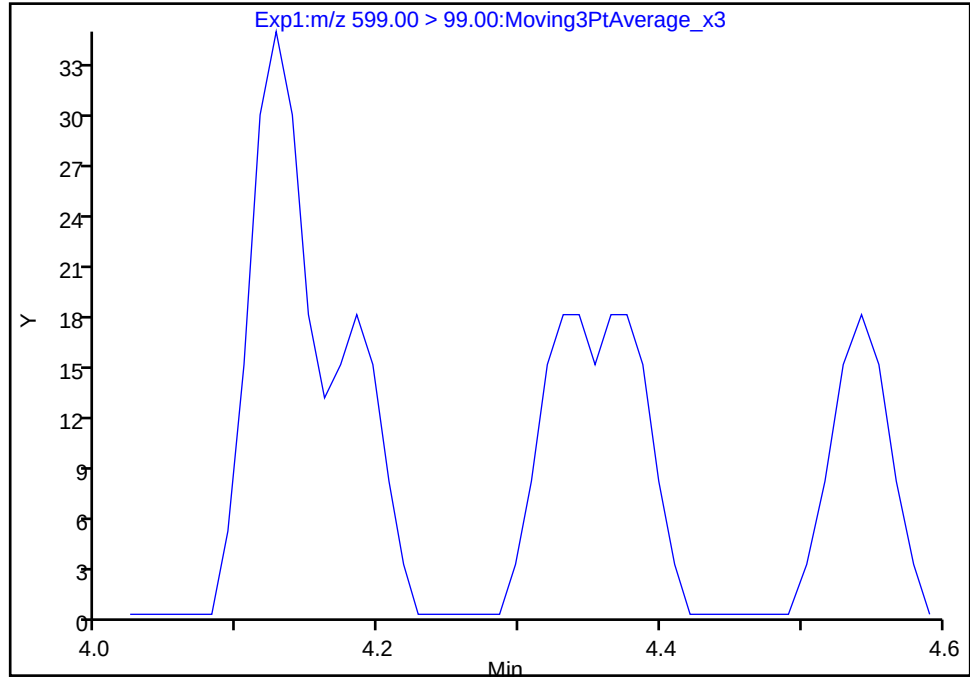
29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

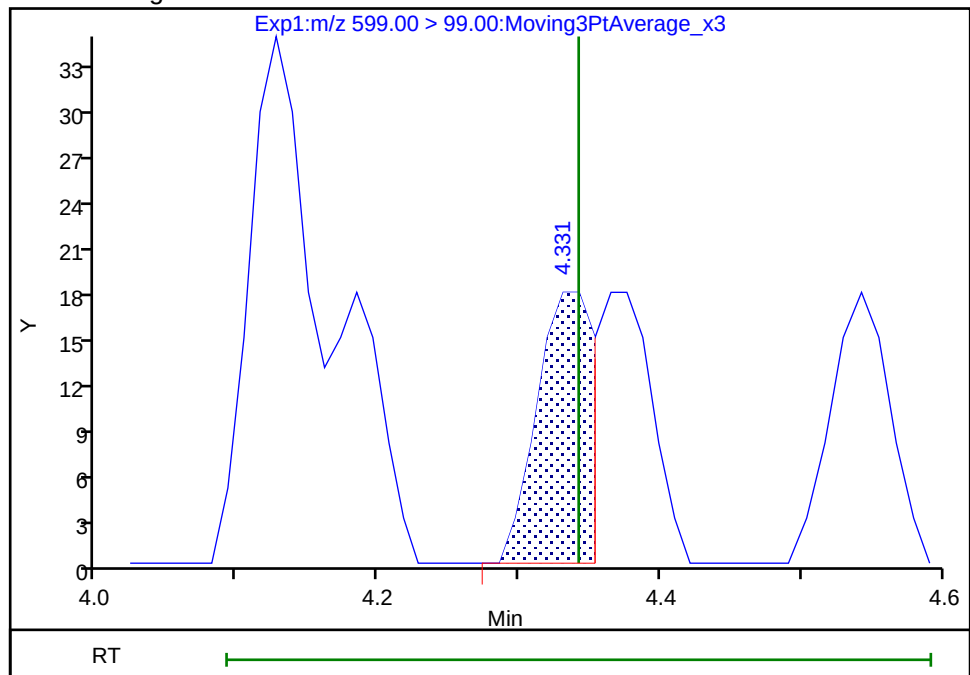
Not Detected

Expected RT: 4.34

Processing Integration Results



Manual Integration Results



RT: 4.33

Area: 47

Amount: 0.000995

Amount Units: ng/ml

Reviewer: Z1IP, 10-Aug-2022 07:46:30

Audit Action: Manually Integrated

Audit Reason: Missed Peak

Eurofins Burlington

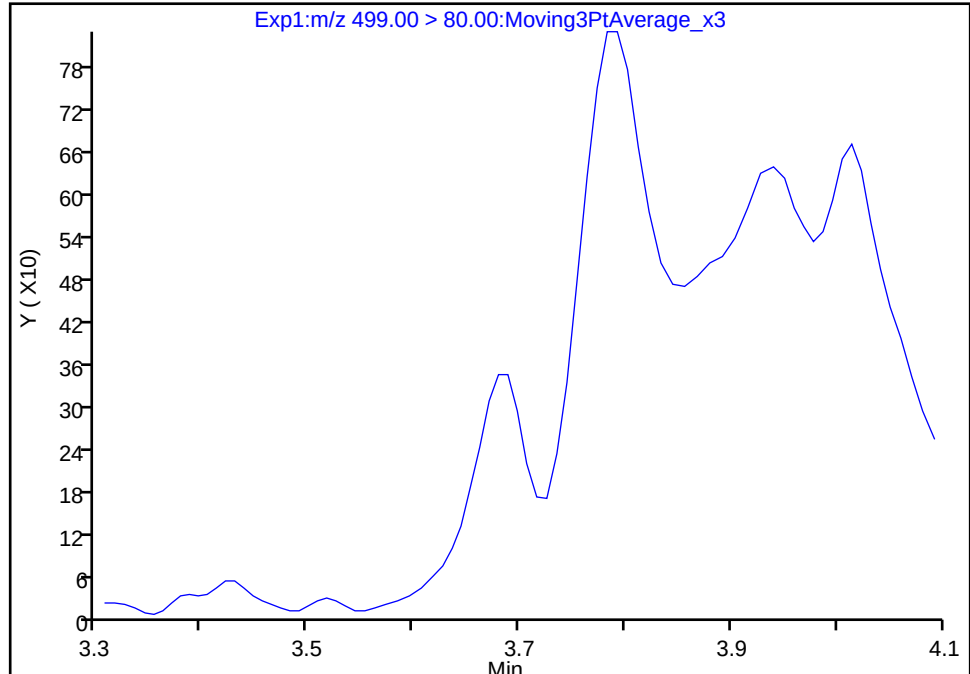
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A06.d
Injection Date: 09-Aug-2022 16:32:08 Instrument ID: LC812
Lims ID: MB 200-182492/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

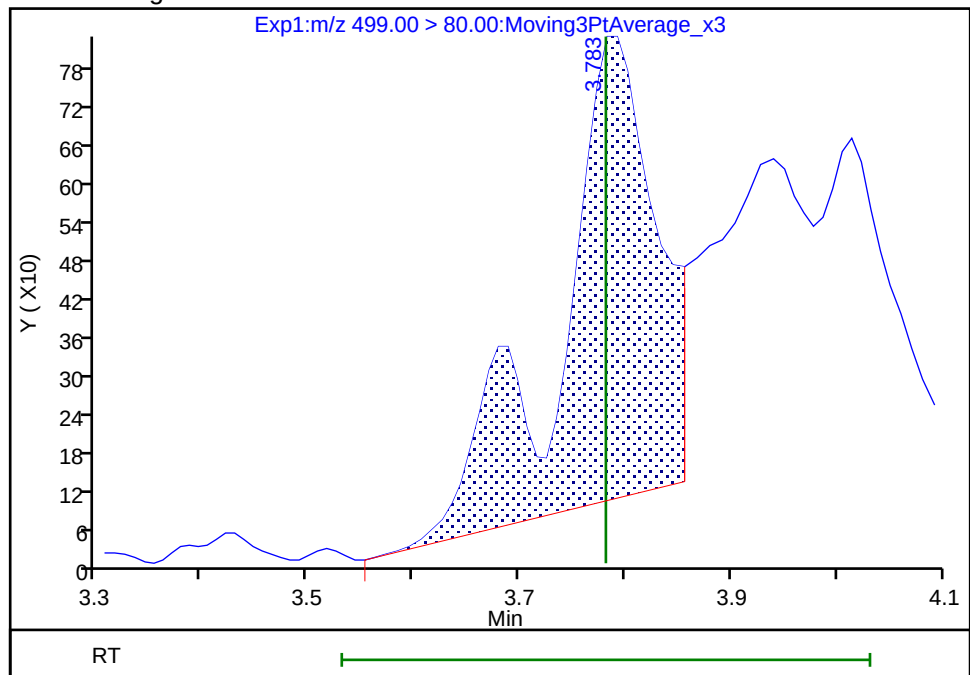
Not Detected
Expected RT: 3.78

Processing Integration Results



Manual Integration Results

RT: 3.78
Area: 4575
Amount: -0.013100
Amount Units: ng/ml



Reviewer: khanphomeea, 10-Aug-2022 09:26:28

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

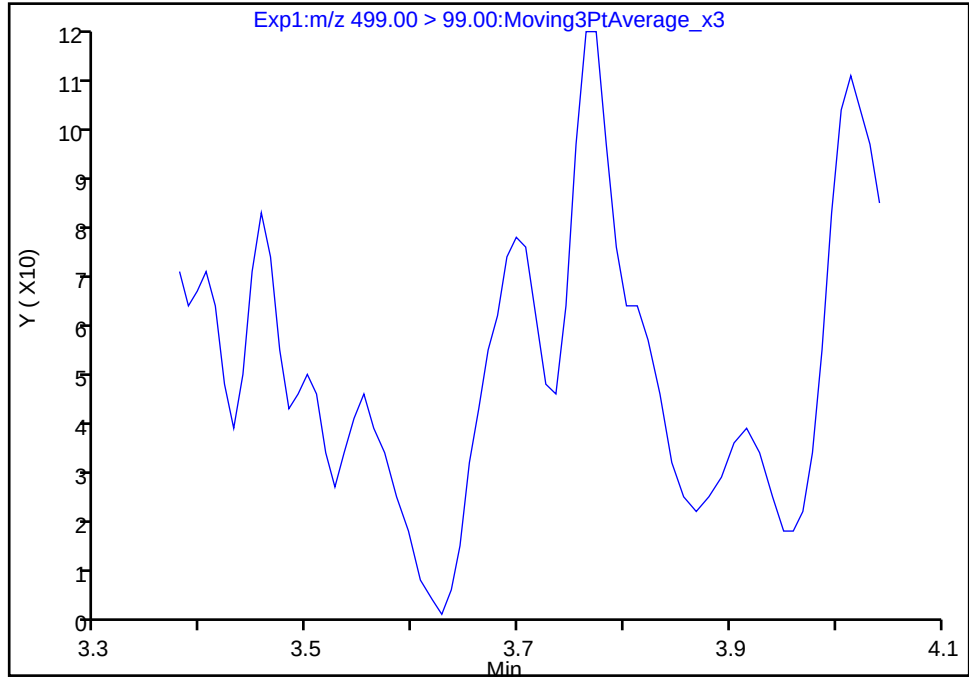
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A06.d
Injection Date: 09-Aug-2022 16:32:08 Instrument ID: LC812
Lims ID: MB 200-182492/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

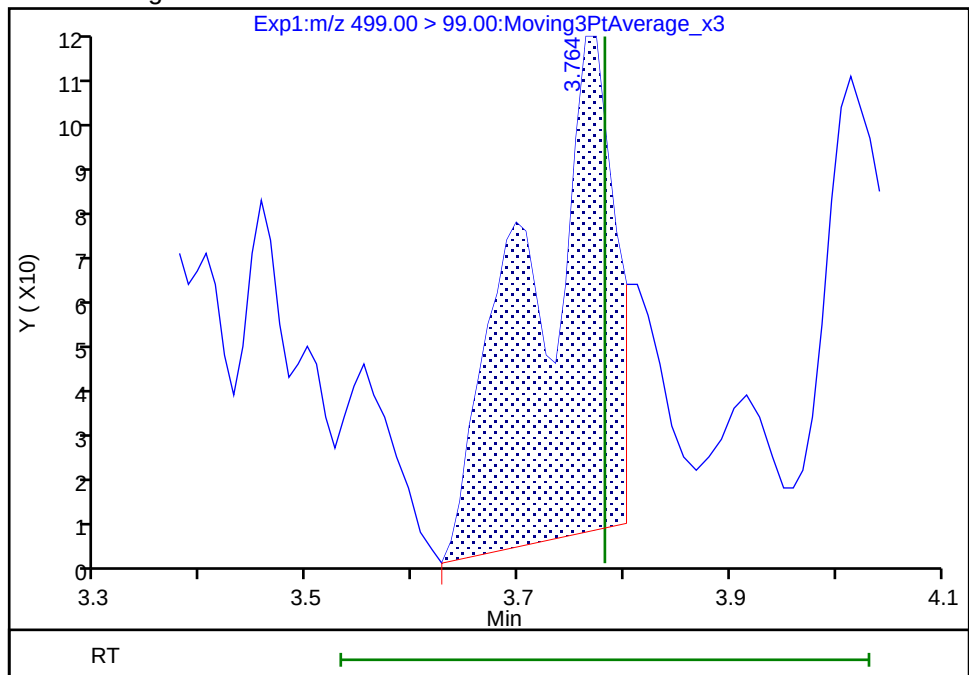
Not Detected
Expected RT: 3.78

Processing Integration Results



Manual Integration Results

RT: 3.76
Area: 615
Amount: -0.013100
Amount Units: ng/ml



Reviewer: khanphomeea, 10-Aug-2022 09:26:40

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

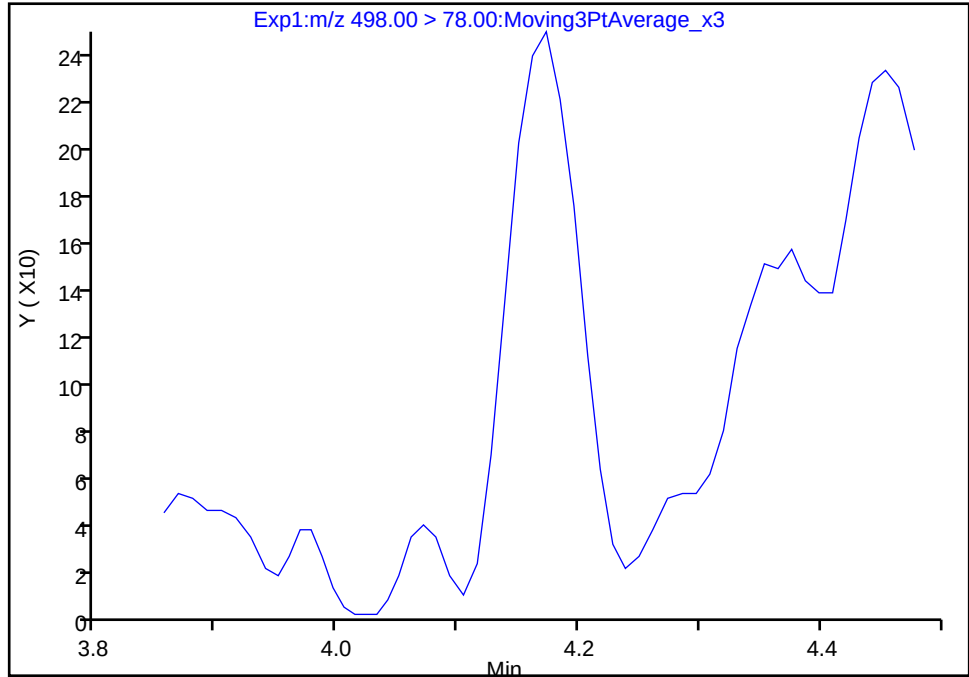
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A06.d
Injection Date: 09-Aug-2022 16:32:08 Instrument ID: LC812
Lims ID: MB 200-182492/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

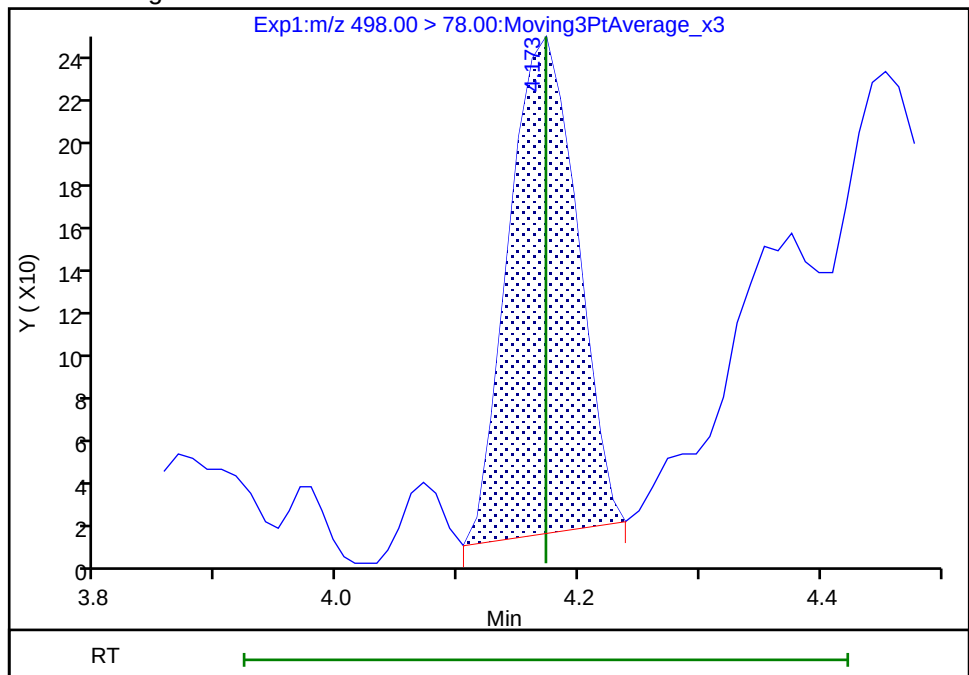
Not Detected
Expected RT: 4.17

Processing Integration Results



Manual Integration Results

RT: 4.17
Area: 894
Amount: 0.000792
Amount Units: ng/ml



Reviewer: khanphomeea, 10-Aug-2022 09:27:51

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A06.d

Injection Date: 09-Aug-2022 16:32:08

Instrument ID: LC812

Lims ID: MB 200-182492/1-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

3

Worklist Smp#: 6

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

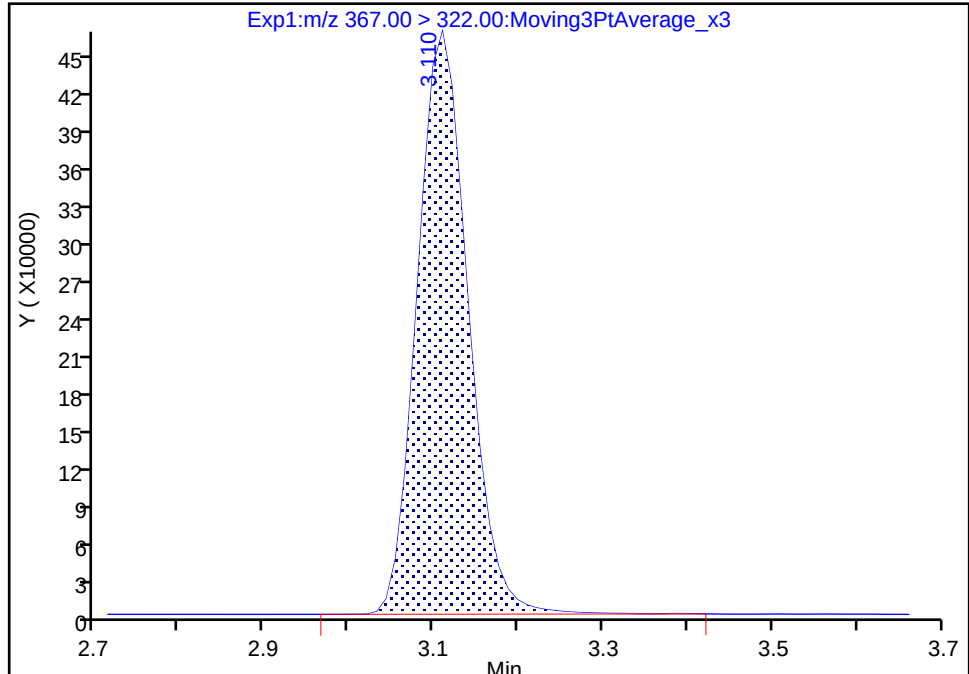
Detector: EXP1

D 9 13C4 PFHpA, CAS: STL01892

Signal: 1

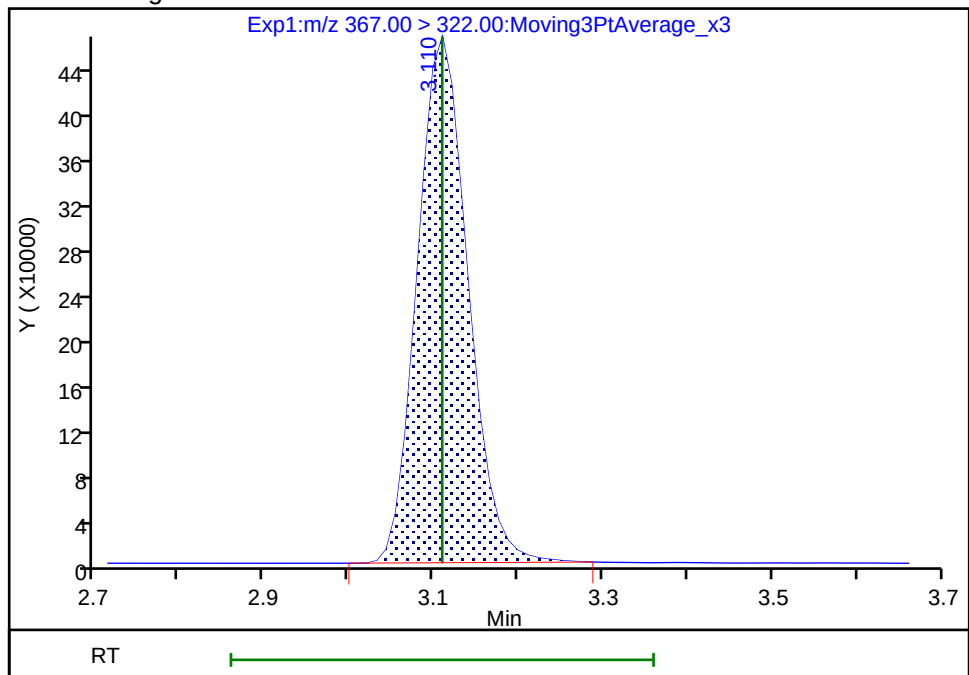
RT: 3.11
Area: 1934362
Amount: 1.336506
Amount Units: ng/ml

Processing Integration Results



RT: 3.11
Area: 1925108
Amount: 1.330112
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:45:37

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

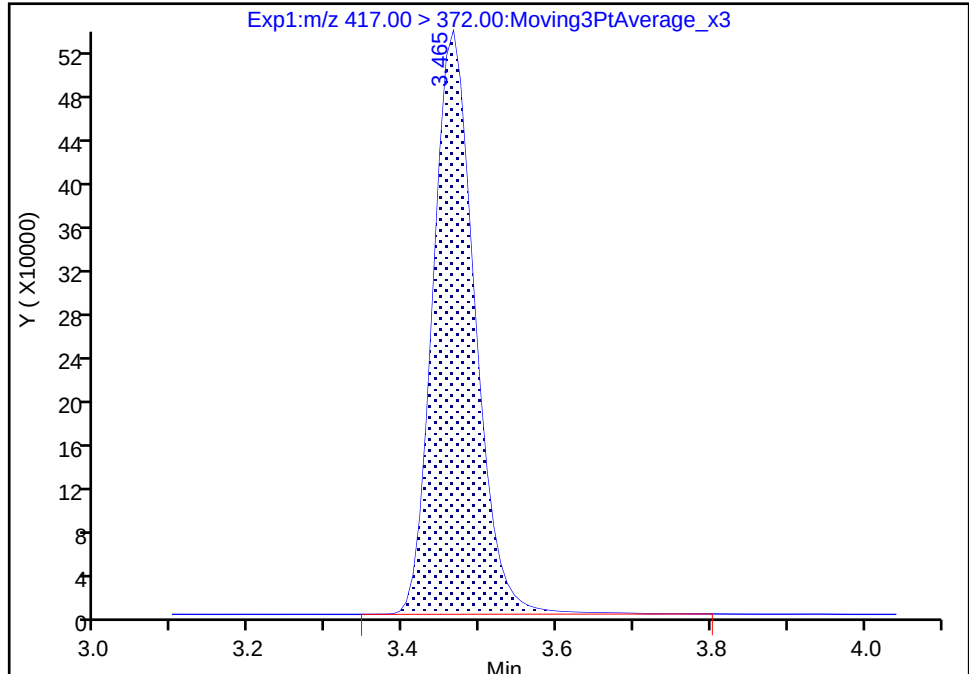
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A06.d
Injection Date: 09-Aug-2022 16:32:08 Instrument ID: LC812
Lims ID: MB 200-182492/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 14 13C4 PFOA, CAS: STL00990

Signal: 1

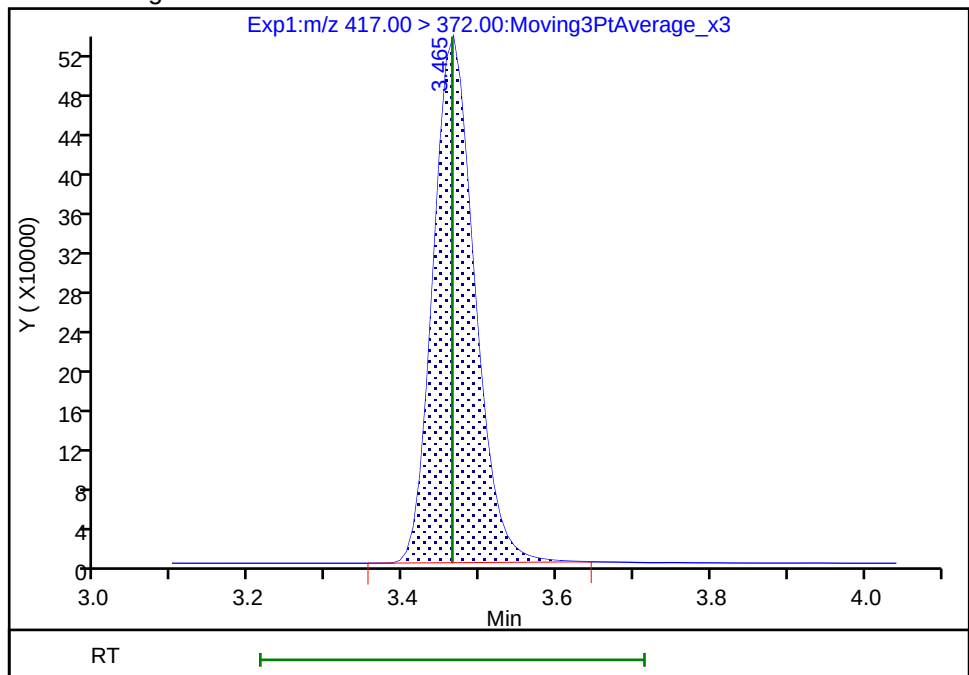
RT: 3.47
Area: 2017169
Amount: 1.360148
Amount Units: ng/ml

Processing Integration Results



RT: 3.47
Area: 2002269
Amount: 1.350101
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:45:47

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A06.d

Injection Date: 09-Aug-2022 16:32:08

Instrument ID: LC812

Lims ID: MB 200-182492/1-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

3

Worklist Smp#: 6

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

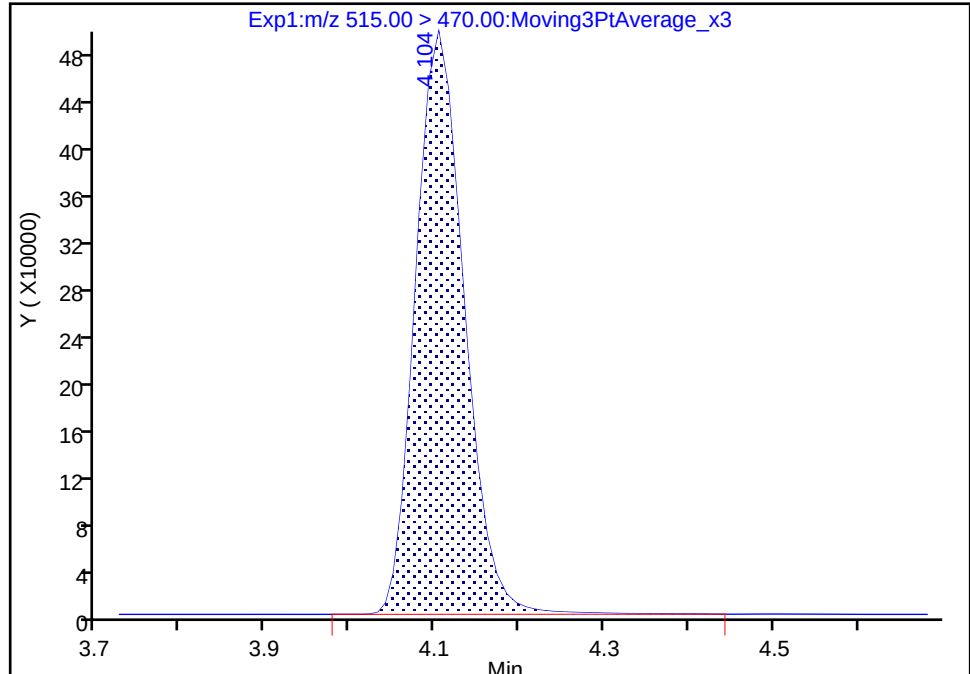
Detector: EXP1

D 23 13C2 PFDA, CAS: STL00996

Signal: 1

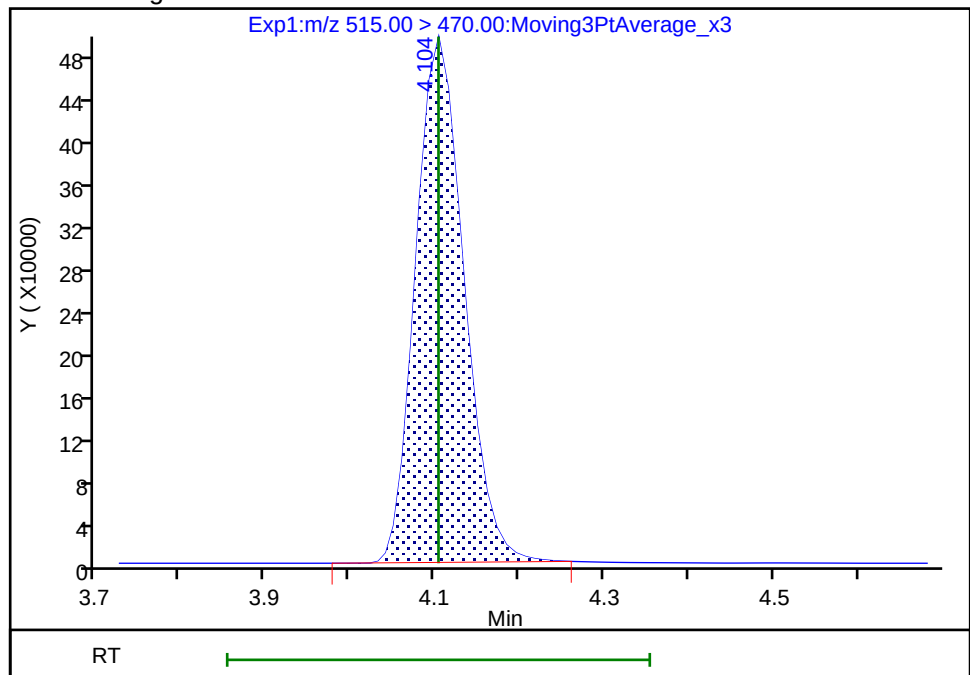
RT: 4.10
Area: 1955857
Amount: 1.305243
Amount Units: ng/ml

Processing Integration Results



RT: 4.10
Area: 1936210
Amount: 1.292132
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:45:58

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A06.d

Injection Date: 09-Aug-2022 16:32:08

Instrument ID: LC812

Lims ID: MB 200-182492/1-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

3

Worklist Smp#: 6

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

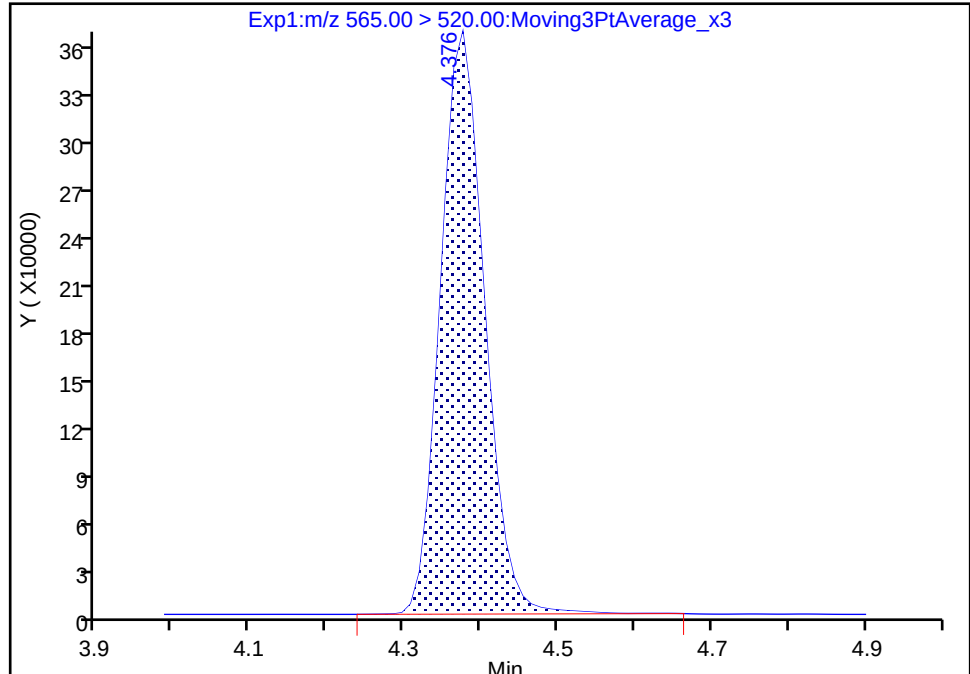
Detector: EXP1

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

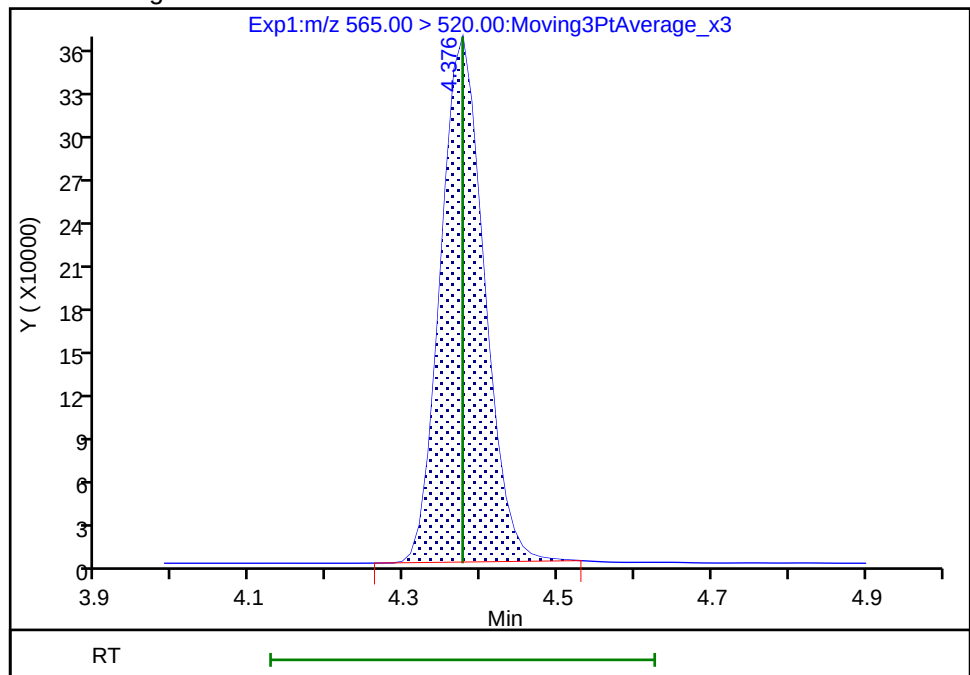
RT: 4.38
Area: 1429523
Amount: 1.259103
Amount Units: ng/ml

Processing Integration Results



RT: 4.38
Area: 1414271
Amount: 1.245669
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:46:40

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

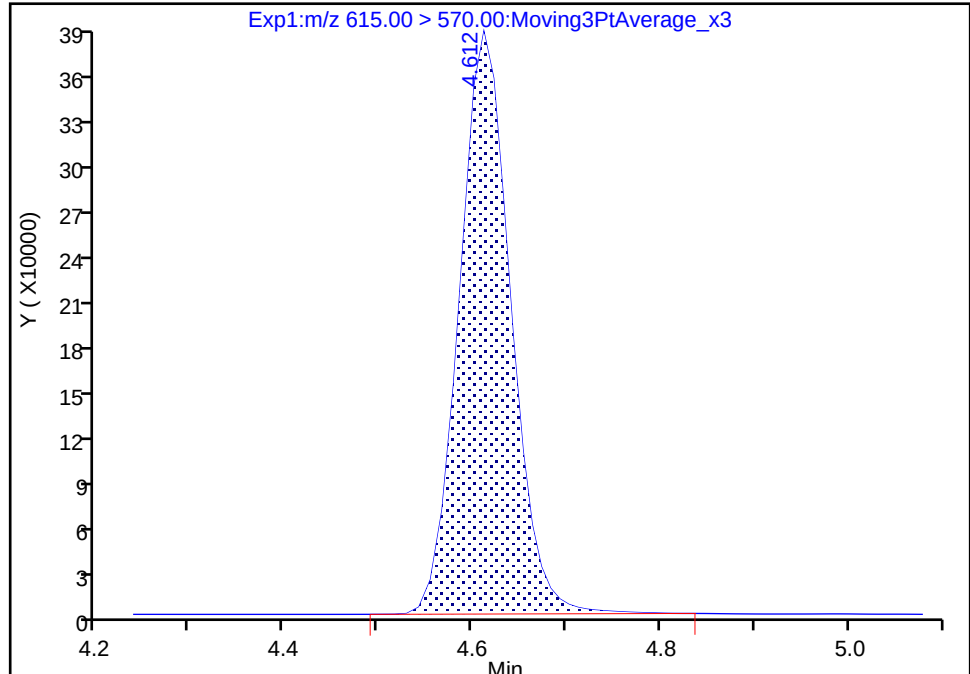
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A06.d
Injection Date: 09-Aug-2022 16:32:08 Instrument ID: LC812
Lims ID: MB 200-182492/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 36 13C2 PFD_oA, CAS: STL00998

Signal: 1

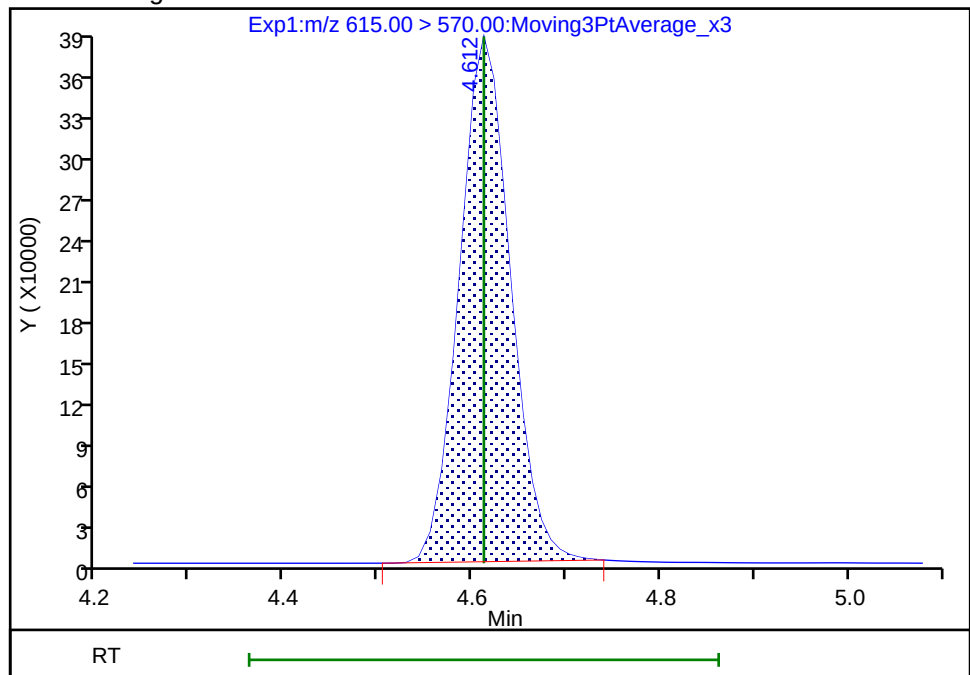
RT: 4.61
Area: 1450454
Amount: 1.232858
Amount Units: ng/ml

Processing Integration Results



RT: 4.61
Area: 1433155
Amount: 1.218155
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:46:53
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A06.d

Injection Date: 09-Aug-2022 16:32:08

Instrument ID: LC812

Lims ID: MB 200-182492/1-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

3

Worklist Smp#: 6

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

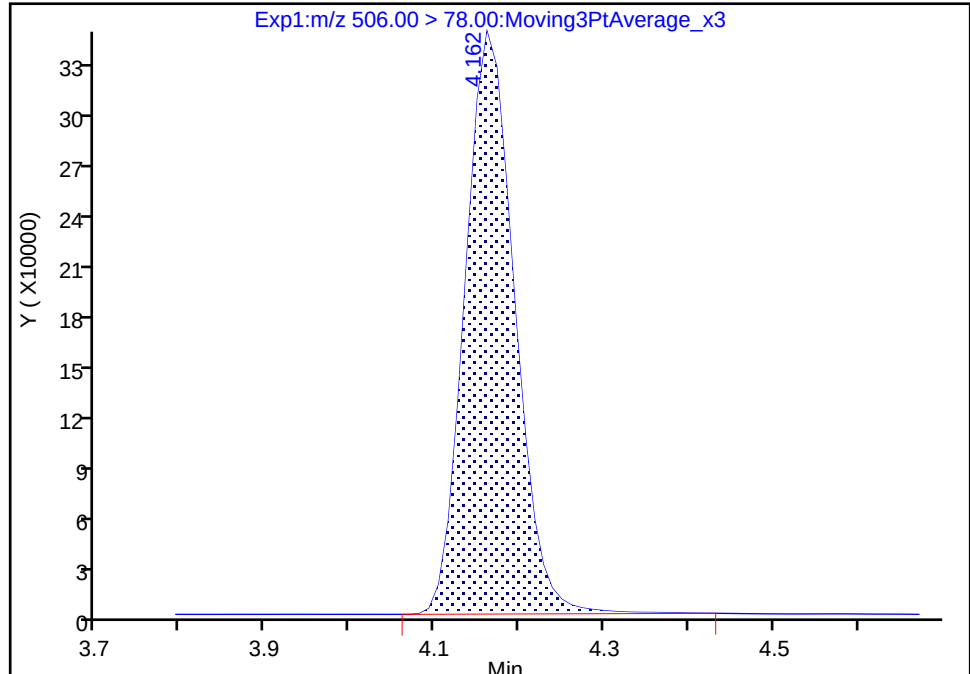
Detector: EXP1

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

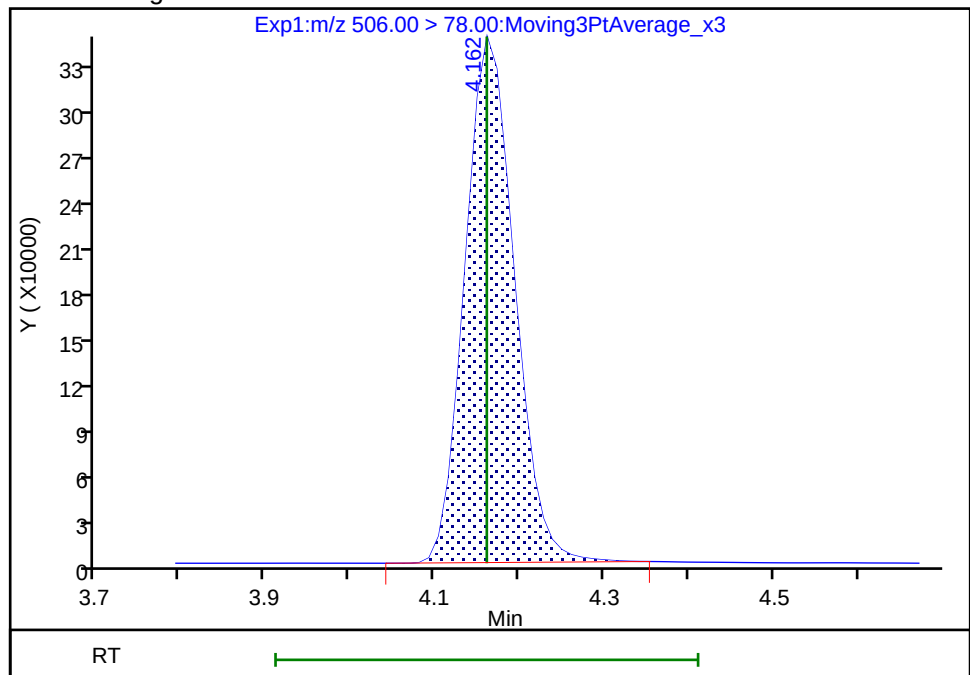
RT: 4.16
Area: 1392487
Amount: 1.061759
Amount Units: ng/ml

Processing Integration Results



RT: 4.16
Area: 1384955
Amount: 1.056016
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:46:08

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A06.d

Injection Date: 09-Aug-2022 16:32:08

Instrument ID: LC812

Lims ID: MB 200-182492/1-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

3

Worklist Smp#: 6

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

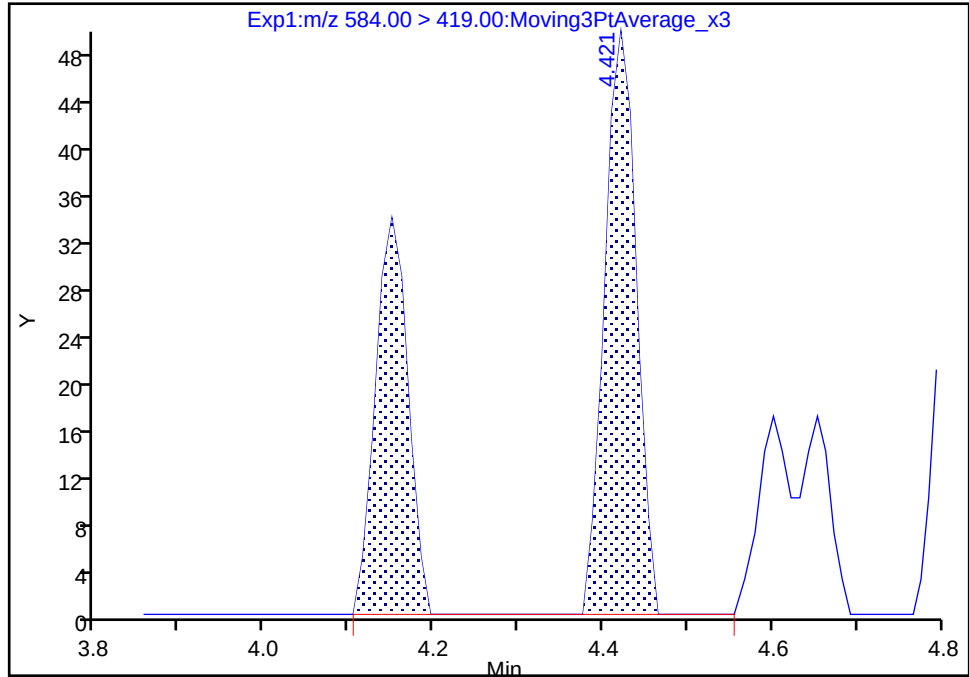
Detector: EXP1

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

Signal: 1

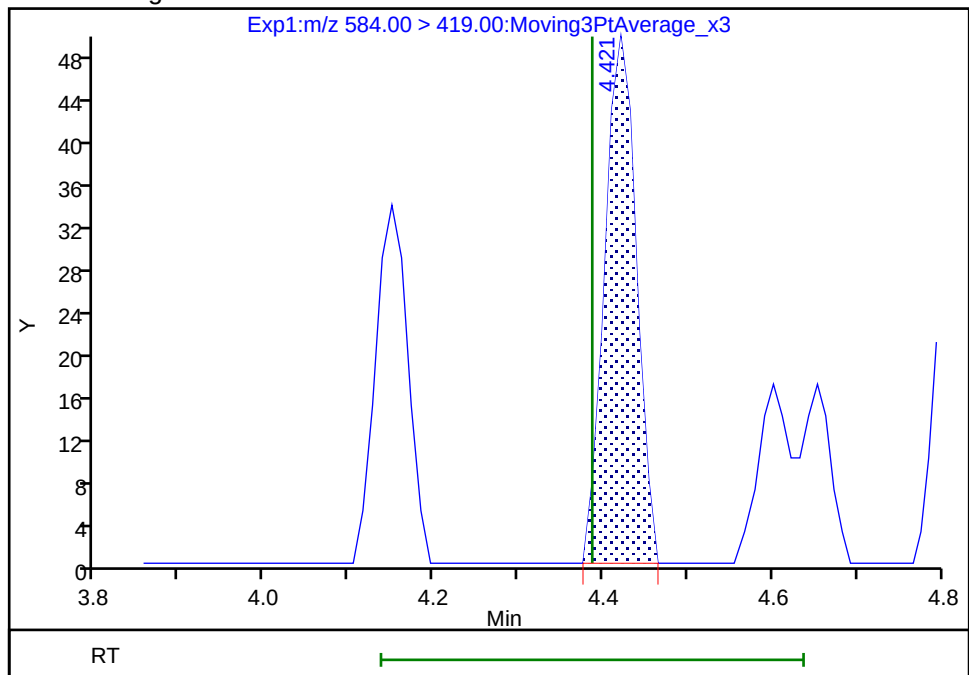
RT: 4.42
Area: 220
Amount: 0.001317
Amount Units: ng/ml

Processing Integration Results



RT: 4.42
Area: 129
Amount: 0.000772
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:28:17

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

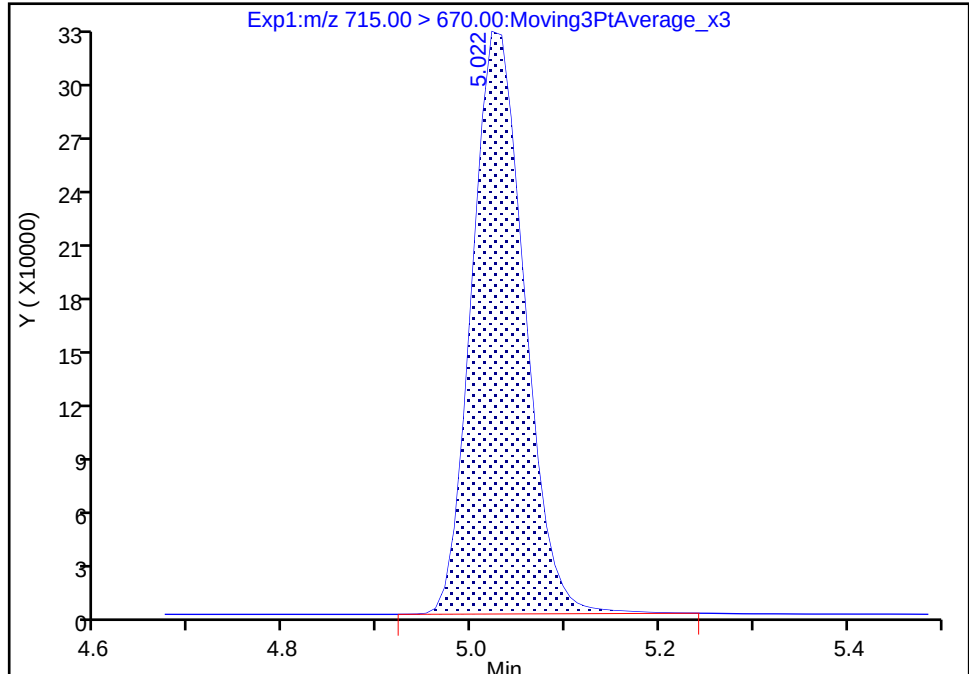
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A06.d
Injection Date: 09-Aug-2022 16:32:08 Instrument ID: LC812
Lims ID: MB 200-182492/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

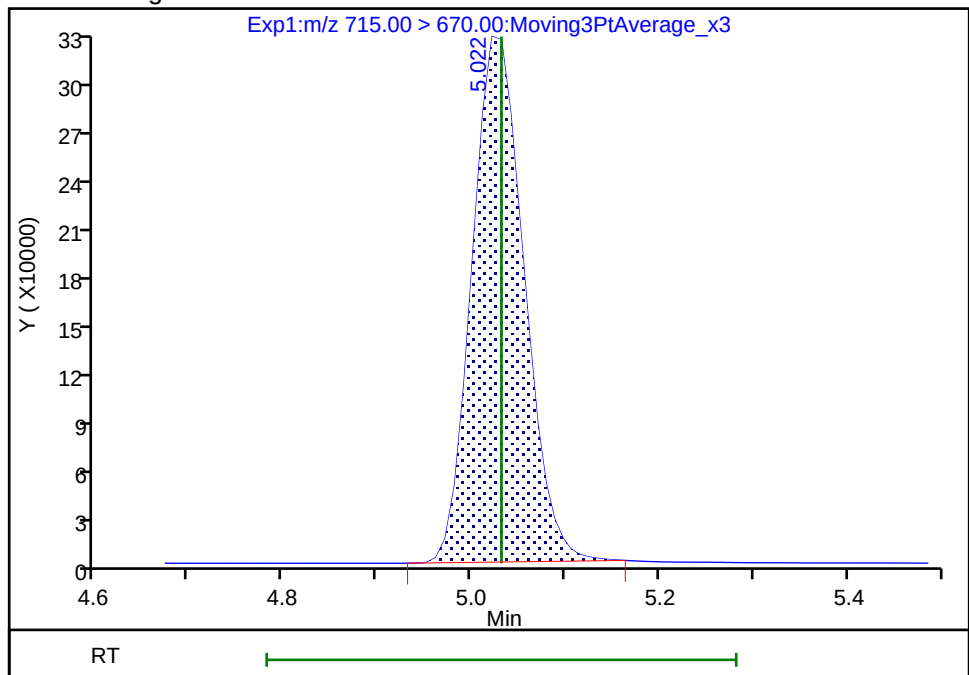
RT: 5.02
Area: 1255715
Amount: 1.305653
Amount Units: ng/ml

Processing Integration Results



RT: 5.02
Area: 1245007
Amount: 1.294519
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:47:04
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1199 of 1695

08/18/2022

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A06.d

Injection Date: 09-Aug-2022 16:32:08

Instrument ID: LC812

Lims ID: MB 200-182492/1-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

3

Worklist Smp#: 6

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

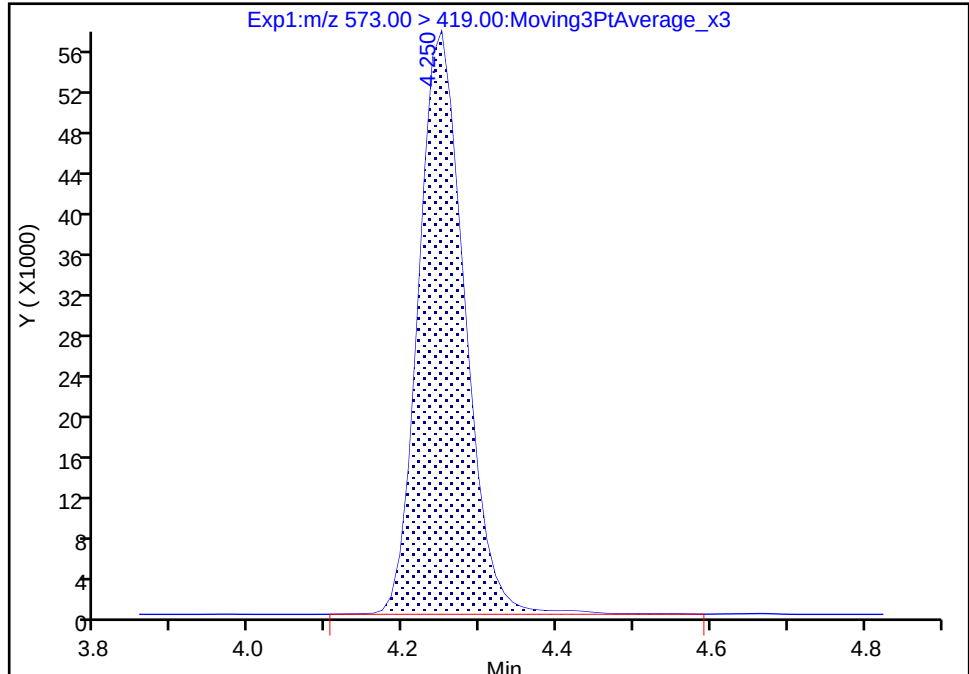
Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

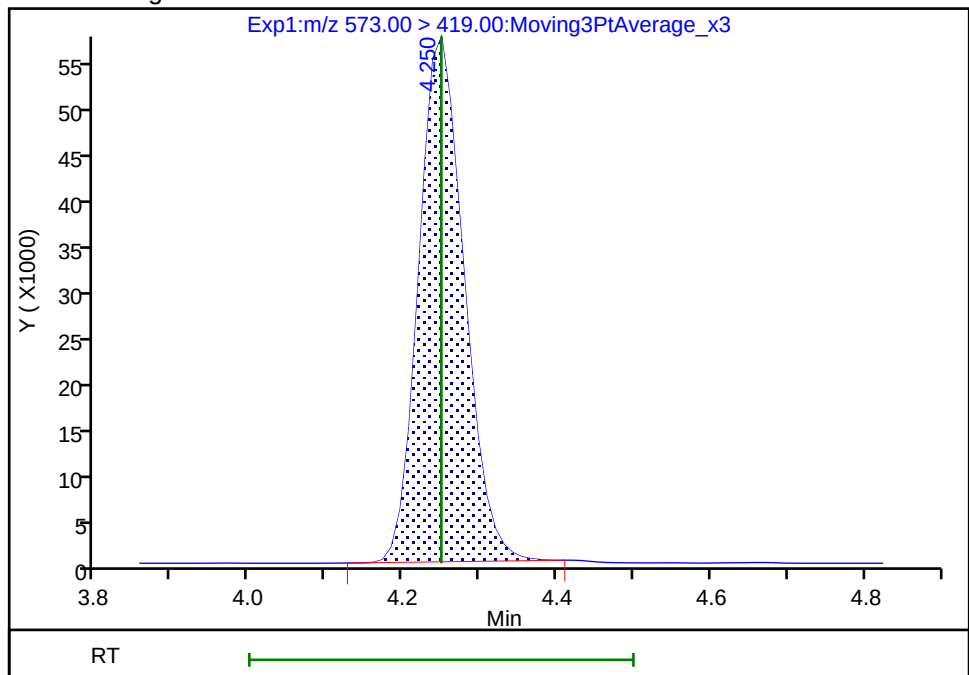
RT: 4.25
Area: 239249
Amount: 1.191235
Amount Units: ng/ml

Processing Integration Results



RT: 4.25
Area: 235430
Amount: 1.172220
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:46:16

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

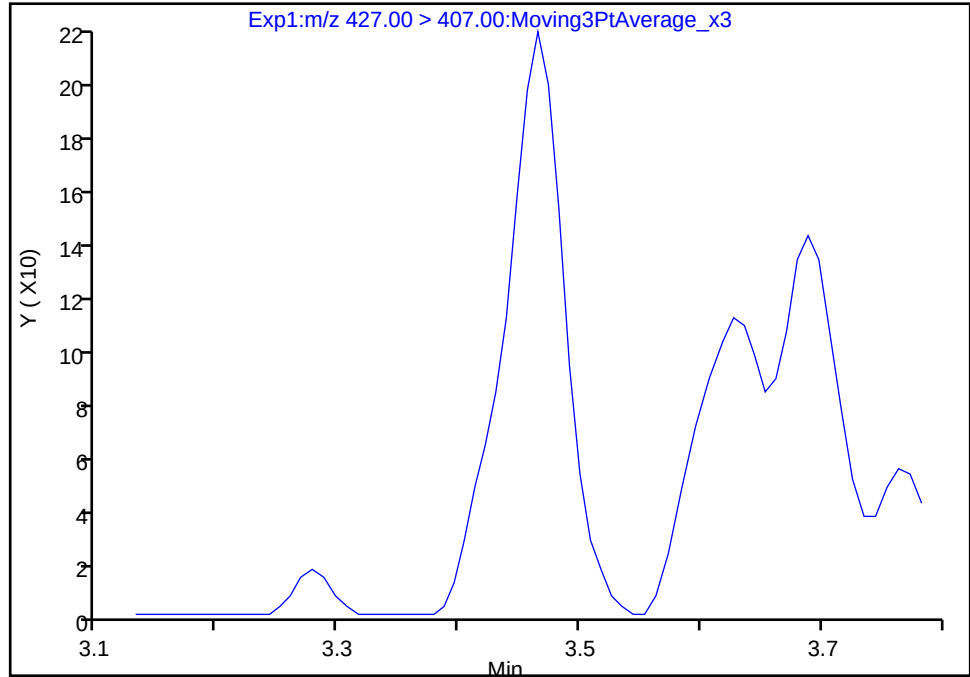
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A06.d
Injection Date: 09-Aug-2022 16:32:08 Instrument ID: LC812
Lims ID: MB 200-182492/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

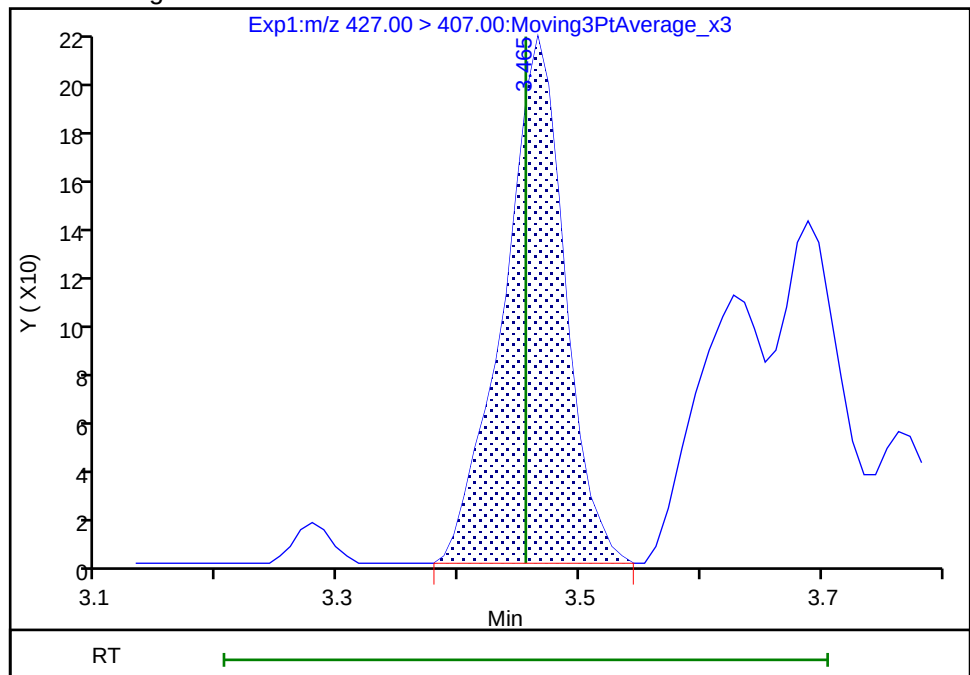
Not Detected
Expected RT: 3.46

Processing Integration Results



Manual Integration Results

RT: 3.47
Area: 773
Amount: -0.014077
Amount Units: ng/ml



Reviewer: khanphomeea, 10-Aug-2022 09:25:46

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A06.d

Injection Date: 09-Aug-2022 16:32:08

Instrument ID: LC812

Lims ID: MB 200-182492/1-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

3

Worklist Smp#: 6

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector: EXP1

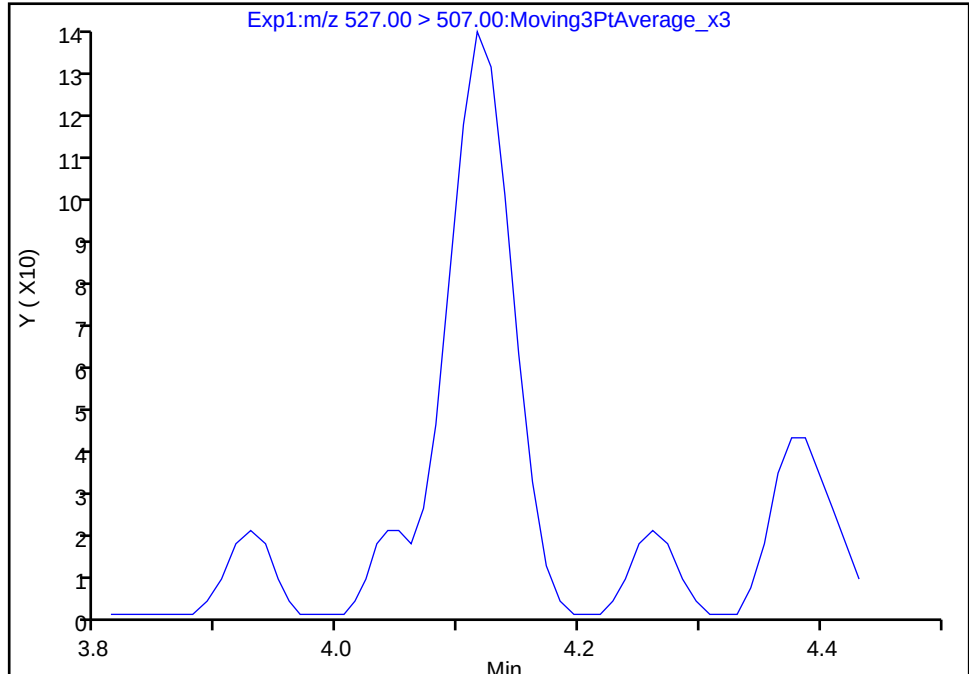
25 1H,1H,2H,2H-perfluorodecanesulfo, CAS: 39108-34-4

Signal: 1

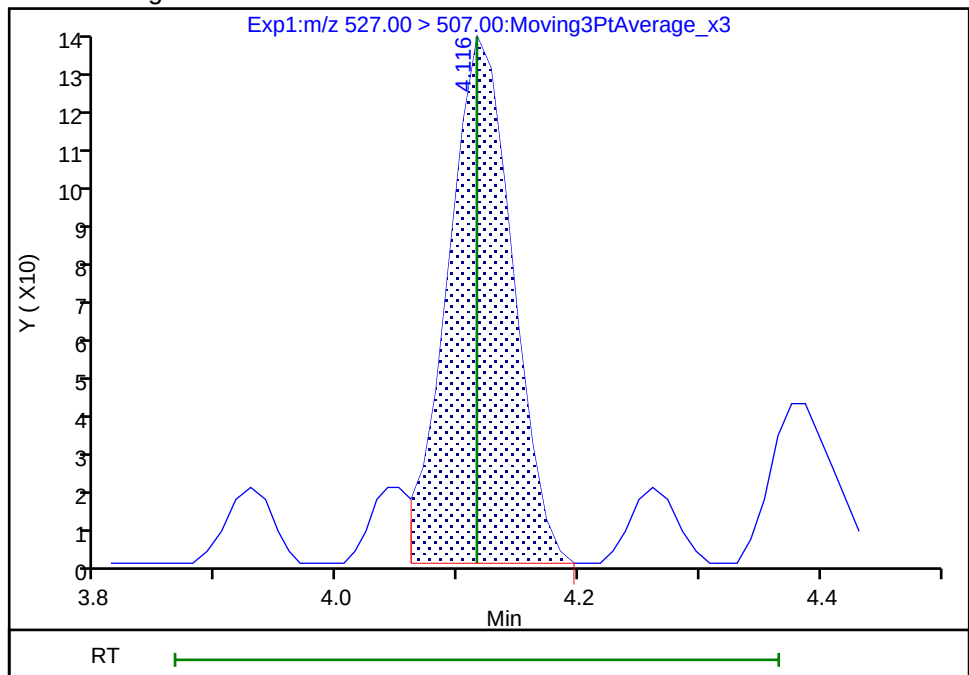
Not Detected

Expected RT: 4.12

Processing Integration Results



Manual Integration Results



RT: 4.12

Area: 488

Amount: 0.002105

Amount Units: ng/ml

Reviewer: khanphomeea, 10-Aug-2022 09:27:44

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-263208-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 200-182554/1-A

Matrix: Solid Lab File ID: PA220811B02.d

Analysis Method: 537 (modified) Date Collected: _____

Extraction Method: SHAKE Date Extracted: 08/10/2022 17:30

Sample wt/vol: 5.00 (g) Date Analyzed: 08/11/2022 18:39

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

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

% Moisture: _____ % Solids: _____ GPC Cleanup: (Y/N) N

Cleanup Factor: _____

Analysis Batch No.: 182595 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.: 460-263208-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-182554/1-A
 Matrix: Solid Lab File ID: PA220811B02.d
 Analysis Method: 537 (modified) Date Collected: _____
 Extraction Method: SHAKE Date Extracted: 08/10/2022 17:30
 Sample wt/vol: 5.00 (g) Date Analyzed: 08/11/2022 18:39
 Con. Extract Vol.: 10 (mL) Dilution Factor: 1
 Injection Volume: 20 (uL) GC Column: C-18 ID: 4.6 (mm)
 % Moisture: _____ % Solids: _____ GPC Cleanup: (Y/N) N
 Cleanup Factor: _____
 Analysis Batch No.: 182595 Units: ug/Kg

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL01892	13C4 PFHpA	95		50-150
STL00990	13C4 PFOA	97		50-150
STL00995	13C5 PFNA	93		50-150
STL00992	13C4 PFBA	89		50-150
STL00993	13C2 PFHxA	100		50-150
STL00996	13C2 PFDA	94		50-150
STL00997	13C2 PFUnA	94		50-150
STL00994	18O2 PFHxS	92		50-150
STL00998	13C2 PFDoA	90		50-150
STL00991	13C4 PFOS	84		50-150
STL01056	13C8 FOSA	73		50-150
STL01893	13C5 PFPeA	94		50-150
STL02116	13C2 PFTeDA	99		50-150
STL02118	d3-NMeFOSAA	87		50-150
STL02117	d5-NEtFOSAA	89		50-150
STL02279	M2-6:2 FTS	90		50-150
STL02337	13C3 PFBS	85		50-150
STL02280	M2-8:2 FTS	95		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B02.d
 Lims ID: MB 200-182554/1-A
 Client ID:
 Sample Type: MB
 Inject. Date: 11-Aug-2022 18:39:19 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: MB 200-182554/1-A
 Misc. Info.: 200-0052043-002 Plate: 1 Rack: 2
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 12-Aug-2022 12:19:48 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: CTX1609

First Level Reviewer: nampitakw

Date: 12-Aug-2022 08:16:19

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	2061000	1.11		88.8	8281	M
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.085	2.076	0.009	1.004	21769	0.0136			2.0	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.387	2.386	0.001	0.689	1672079	1.17		93.7	3146	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.373	2.386	-0.013	0.994	9826	0.007125			0.3	M
D 47 13C3 PFBS										M
301.90 > 80.00	2.400	2.400	0.0	0.693	1634036	0.9889		85.1	256141	M
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.400	2.413	-0.013	1.000	5085	0.003277	Target=2.23		7.6	M
298.90 > 99.00	2.400	2.413	-0.013	1.000	2370		2.15(1.11-3.34)		2.1	
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.701	2.701	0.0	0.779	157694	1.11		94.9	165	M
61 1H,1H,2H,2H-perfluorohexanesulfo										M
327.00 > 307.00	2.689	2.701	-0.012	0.996	837	0.002607			11.3	M
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.750	2.737	0.013	1.004	7567	0.005099	Target=12.24		1.6	M
313.00 > 119.00	2.750	2.737	0.013	1.004	783		9.66(6.12-18.36)		1.0	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.738	2.737	0.001	0.790	1777620	1.25		99.7	4380	
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.750	2.737	0.013	0.887	2209	0.001591	Target=2.95		3.7	M
349.00 > 99.00	2.738	2.737	0.001	0.883	719		3.07(1.48-4.43)		2.2	M
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.847	2.847	0.0	0.822	316248	1.18		94.3	1565	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 11 18O2 PFHxS										
403.00 > 84.00	3.099	3.098	0.001	0.894	1265866	1.09		92.1	2425	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.099	3.098	0.001	1.000	6202	0.005253	Target=3.43		22.2	M
399.00 > 99.00	3.110	3.098	0.012	1.004	1744		3.56(1.72-5.15)		2.9	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.110	3.098	0.012	0.897	1754326	1.19		94.9	2335	
10 Perfluoroheptanoic acid										RM
363.00 > 319.00	3.110	3.110	0.0	1.000	5899	0.004078	Target=3.73		1.7	RM
363.00 > 169.00	3.099	3.110	-0.011	0.996	993		5.94(1.86-5.59)		3.0	M
77 DONA										M
377.00 > 251.00	3.143	3.143	0.0	0.831	6435	0.002154	Target=2.84		13.3	
377.00 > 85.00	3.143	3.143	0.0	0.831	2102		3.06(1.42-4.26)		3.8	M
D 12 M2-6:2 FTS										
429.00 > 81.00	3.448	3.447	0.001	0.995	208967	1.07		90.5	481	
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.448	3.447	0.001	1.000	788	-0.0137			6.0	M
16 Perfluoroheptanesulfonic acid										RM
449.00 > 80.00	3.448	3.447	0.001	0.911	1783	0.001988	Target=4.89		10.5	RM
449.00 > 99.00	3.430	3.447	-0.017	0.907	189		9.43(2.44-7.33)		1.8	M
D 14 13C4 PFOA										
417.00 > 372.00	3.465	3.456	0.009	1.000	1830353	1.21		96.6	3947	
* 62 13C2 PFOA										
415.00 > 370.00	3.465	3.456	0.009		1988618	1.25			1894	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.456	3.456	0.0	0.997	10027	0.006106	Target=2.67		1.0	M
413.00 > 169.00	3.456	3.456	0.0	0.997	2876		3.49(1.34-4.01)		6.5	M
D 18 13C4 PFOS										
503.00 > 80.00	3.783	3.773	0.010	1.092	866921	1.00		83.6	2847	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.783	3.773	0.010	1.000	3193	-0.0140	Target=4.88		2.7	M
499.00 > 99.00	3.783	3.773	0.010	1.000	810		3.94(2.44-7.32)		2.1	M
20 Perfluorononanoic acid										M
463.00 > 419.00	3.793	3.792	0.001	0.997	2924	0.001966	Target=8.23		1.4	M
463.00 > 169.00	3.802	3.792	0.010	1.000	328		8.91(4.11-12.34)		5.4	M
D 19 13C5 PFNA										
468.00 > 423.00	3.802	3.792	0.010	1.097	1827445	1.16		92.9	3998	
69 9-Chlorohexadecafluoro-3-oxanona										M
531.00 > 351.00	3.940	3.940	0.0	1.042	1876	0.001464			12.7	M
68 Perfluorononanesulfonic acid										M
549.00 > 80.00	4.081	4.060	0.021	1.079	846	0.001489	Target=2.53		9.1	M
549.00 > 99.00	4.071	4.060	0.011	1.076	447		1.89(1.26-3.79)		4.1	M
D 23 13C2 PFDA										
515.00 > 470.00	4.104	4.092	0.012	1.184	1794307	1.17		93.8	4995	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.104	4.092	0.012	0.997	584	0.002721			8.7	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.116	4.104	0.012	1.188	2661156	1.14		95.0	96708	08/18/2022

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 21 13C8 FOSA										M
506.00 > 78.00	4.161	4.150	0.011	1.201	1226842	0.9155		73.2	1677	M
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.150	4.161	-0.011	0.997	2158	0.002158			12.8	M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.250	4.238	0.012	1.226	223178	1.09		87.0	1277	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.261	4.238	0.023	1.003	1251	0.007889			5.8	M
29 Perfluorodecanesulfonic acid										RM
599.00 > 80.00	4.342	4.330	0.012	1.148	707	0.001673	Target=2.80		8.1	RM
599.00 > 99.00	4.342	4.330	0.012	1.148	548		1.29(1.40-4.20)		9.1	M
D 30 13C2 PFUnA										M
565.00 > 520.00	4.376	4.364	0.012	1.263	1357820	1.17		93.6	2583	M
31 Perfluoroundecanoic acid										RM
563.00 > 519.00	4.365	4.364	0.001	0.997	2746	0.002386	Target=9.07		2.4	RM
563.00 > 169.00	4.365	4.364	0.001	0.997	199		13.80(4.54-13.61)		3.8	M
D 32 d5-NEtFOSAA										M
589.00 > 419.00	4.376	4.376	0.0	1.263	215659	1.11		88.8	695	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.387	4.376	0.011	1.003	1297	0.008280			18.8	M
66 11-Chloroeicosafuoro-3-oxaundec										M
631.00 > 451.00	4.478	4.465	0.013	1.184	2746	0.001646			23.2	M
D 36 13C2 PFDaA										
615.00 > 570.00	4.612	4.601	0.011	1.331	1349555	1.12		89.8	2750	
37 Perfluorododecanoic acid										RM
613.00 > 569.00	4.612	4.601	0.011	1.000	3667	0.003349	Target=6.97		0.6	RM
613.00 > 169.00	4.602	4.601	0.001	0.998	159		23.06(3.48-10.45)		3.0	M
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.602	4.622	-0.020	1.118	104	0.001037			2.2	M
75 Perfluorododecanesulfonic acid (										RM
699.00 > 80.00	4.776	4.776	0.0	1.262	146	0.000778	Target=0.52		3.2	RM
699.00 > 99.00	4.803	4.776	0.027	1.270	584		0.25(0.26-0.79)		18.6	M
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.837	4.813	0.024	1.049	2038	0.002147	Target=4.56		0.4	
663.00 > 169.00	4.813	4.813	0.0	1.043	444		4.59(2.28-6.84)		5.8	M
D 43 13C2 PFTeDA										M
715.00 > 670.00	5.022	5.012	0.010	1.449	1218618	1.24		99.2	2064	M
42 Perfluorotetradecanoic acid										RM
713.00 > 169.00	5.022	5.012	0.010	1.000	734	0.004699	Target=0.94		10.8	RM
713.00 > 219.00	5.002	5.012	-0.010	0.996	470		1.56(0.47-1.41)		10.2	M
D 44 13C2 PFHxDA										M
815.00 > 770.00	5.389	5.366	0.023	1.555	1342128	1.20		95.9	2416	M
45 Perfluorohexadecanoic acid										M
813.00 > 769.00	5.389	5.378	0.011	1.000	12576	-0.007672	Target=4.38		3.5	
813.00 > 169.00	5.389	5.378	0.011	1.000	2965		4.24(2.19-6.57)		47.8	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
46 Perfluorooctadecanoic acid										
913.00 > 869.00	5.740	5.713	0.027	1.065	2625	0.003677	Target=4.31		1.0	
913.00 > 169.00	5.740	5.713	0.027	1.065	524		5.01(2.16-6.47)		10.4	

QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B02.d

Injection Date: 11-Aug-2022 18:39:19

Instrument ID: LC812

Lims ID: MB 200-182554/1-A

Client ID:

Operator ID: lc812tech

ALS Bottle#: 2

Worklist Smp#: 2

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

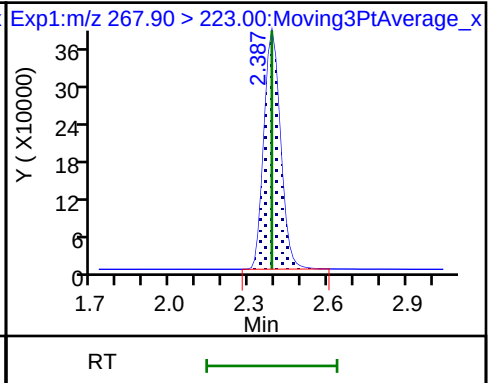
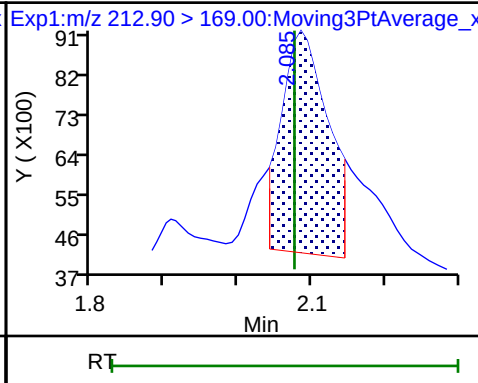
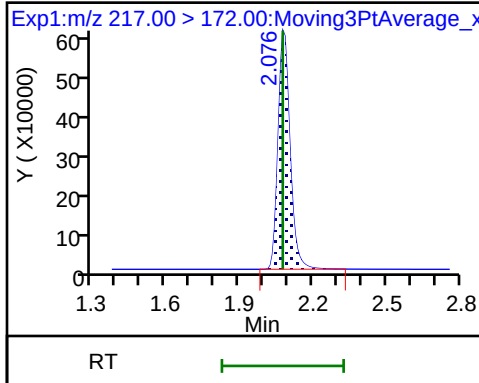
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA (M)

2 Perfluorobutanoic acid (M)

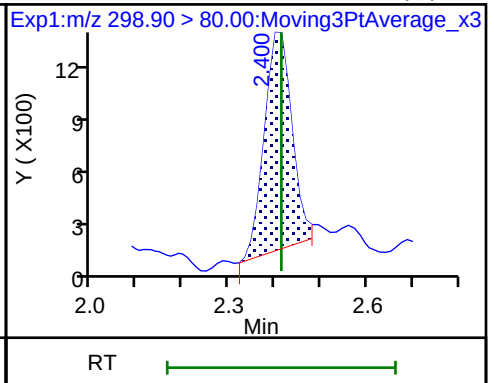
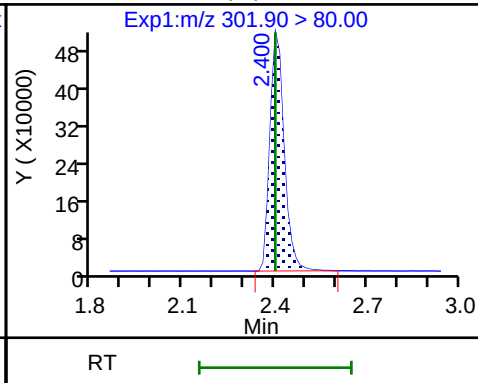
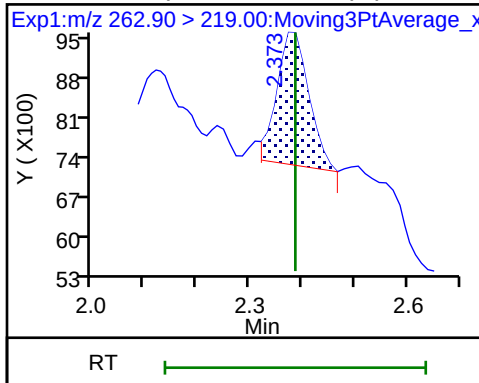
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

D 47 13C3 PFBS (M)

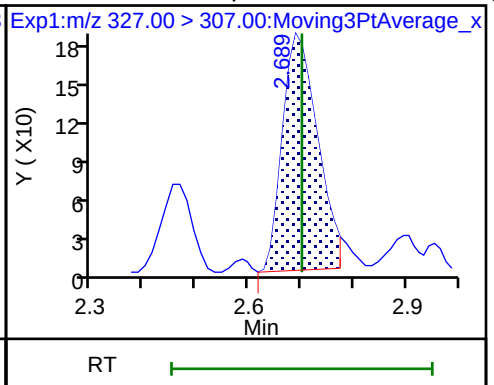
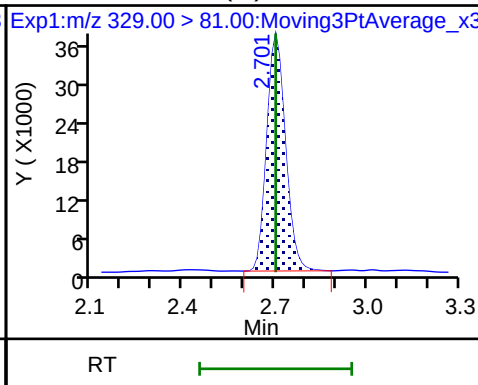
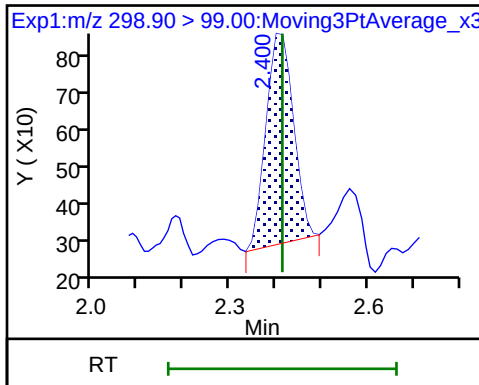
5 Perfluorobutanesulfonic acid (M)



5 Perfluorobutanesulfonic acid

D 60 M2-4:2 FTS (M)

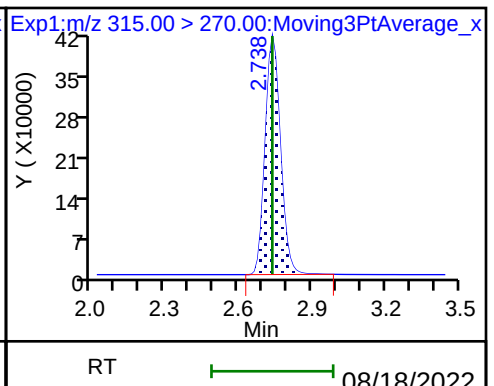
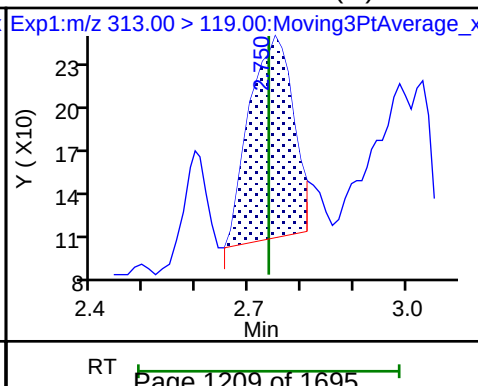
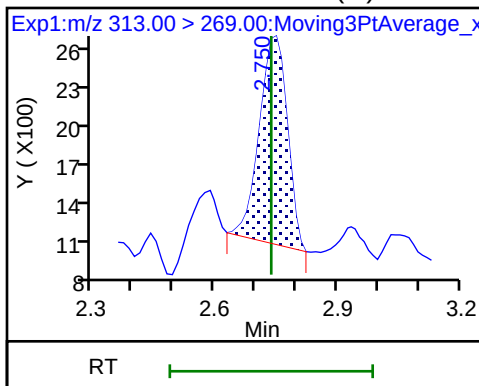
61 1H,1H,2H,2H-perfluorohexanesulfo (M)



6 Perfluorohexanoic acid (M)

6 Perfluorohexanoic acid (M)

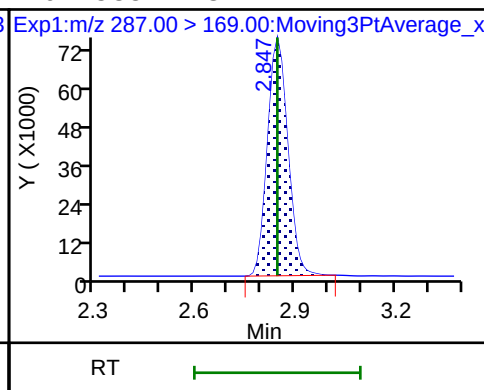
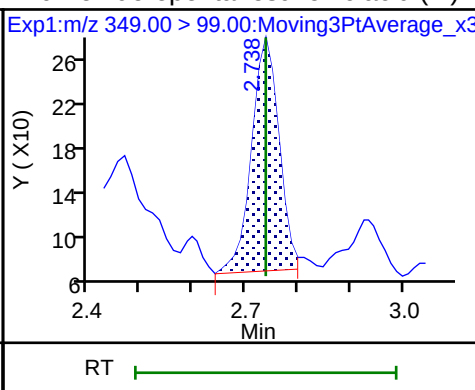
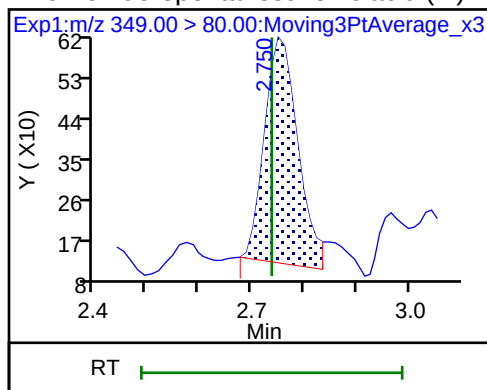
D 7 13C2 PFHxA



70 Perfluoropentanesulfonic acid (M)

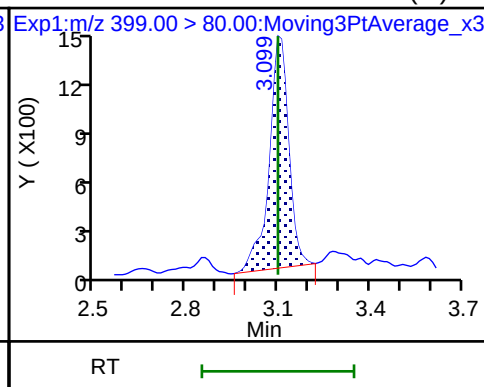
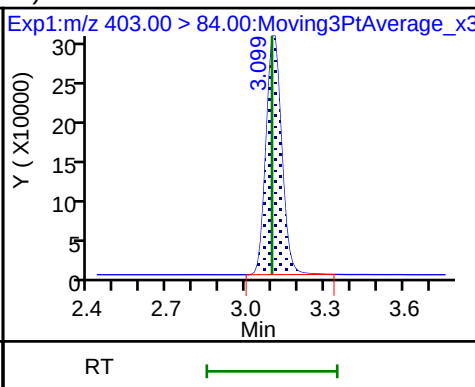
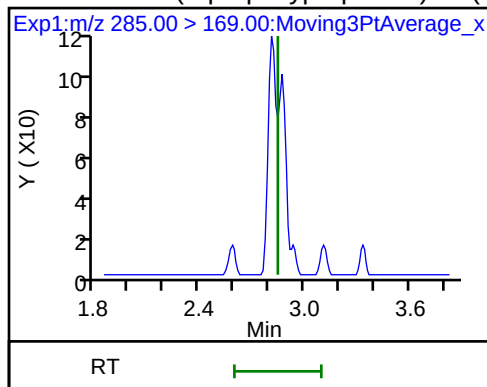
70 Perfluoropentanesulfonic acid (M)

D 64 13C3 HFPO-DA



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

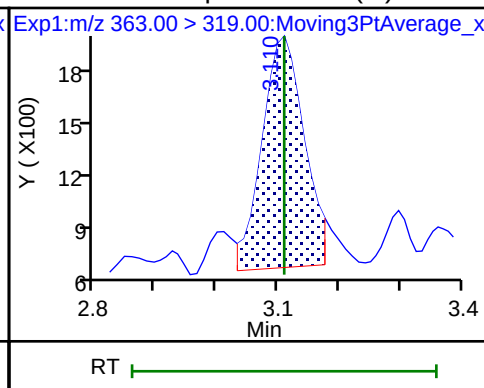
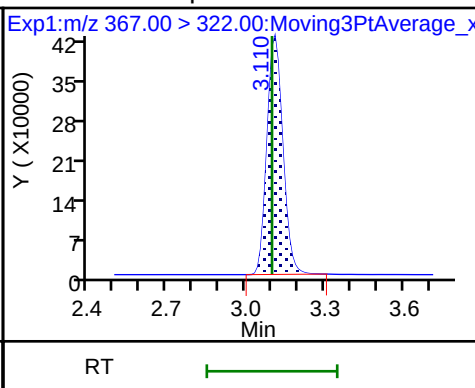
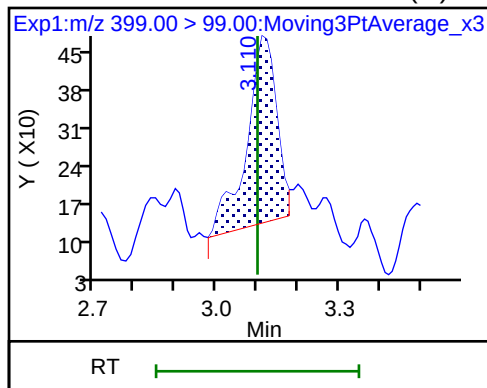
8 Perfluorohexanesulfonic acid (M)



8 Perfluorohexanesulfonic acid (M)

D 9 13C4 PFHpA

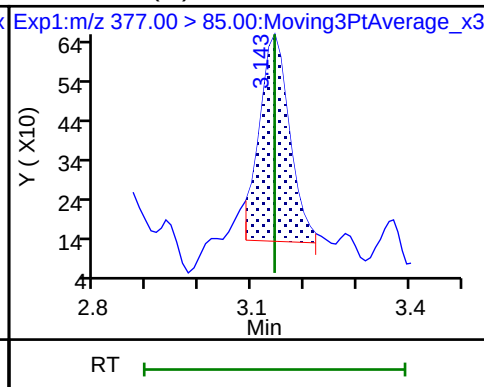
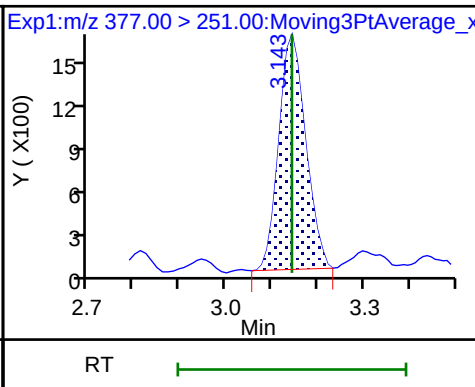
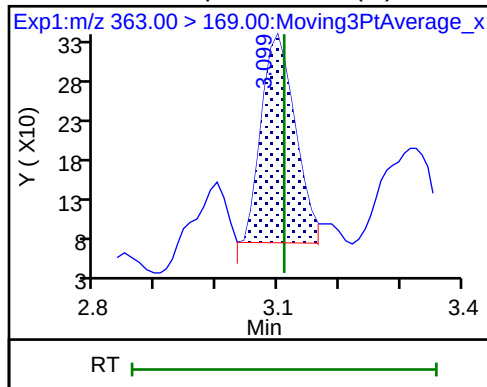
10 Perfluoroheptanoic acid (M)



10 Perfluoroheptanoic acid (M)

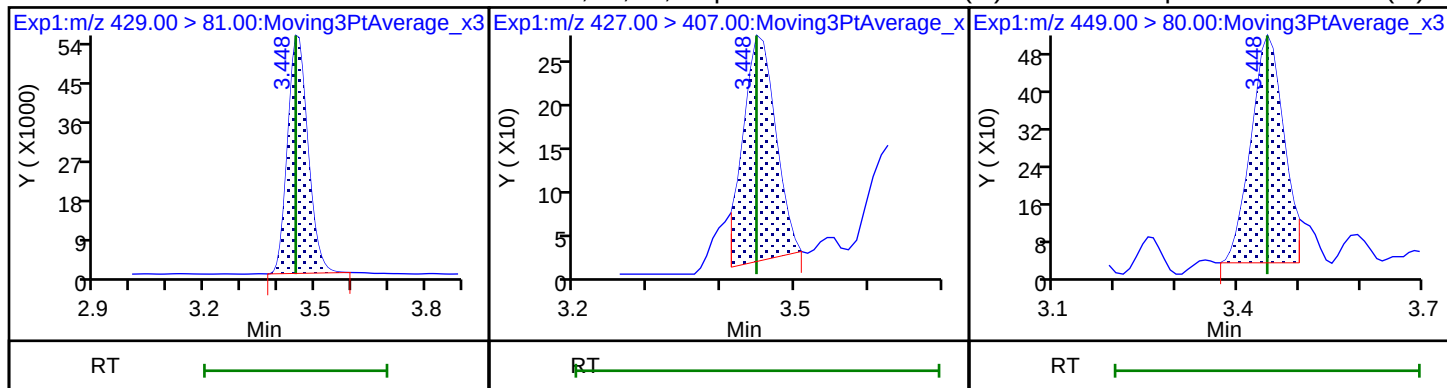
77 DONA

77 DONA (M)



D 12 M2-6:2 FTS

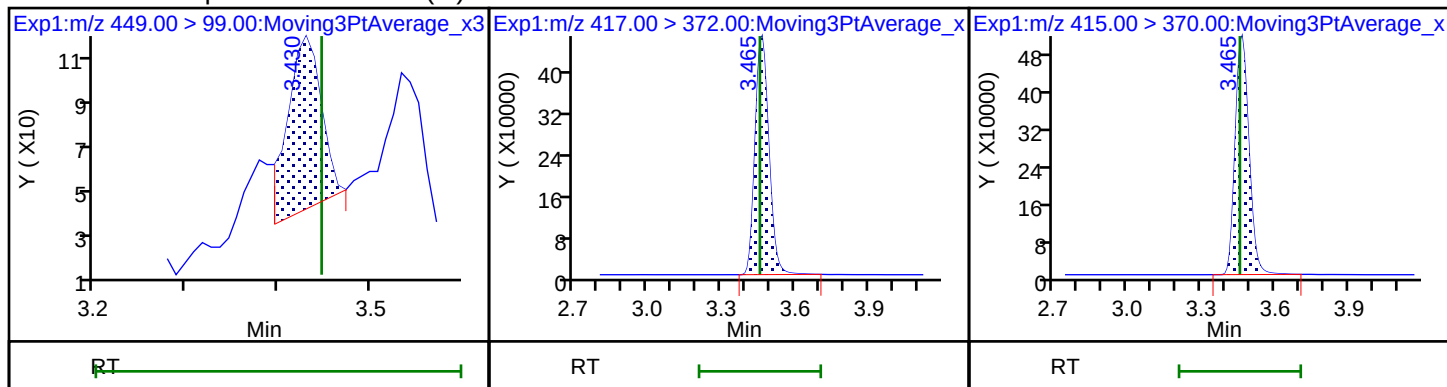
13 1H,1H,2H,2H-perfluorooctanesulfo (M) 16 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M)

D 14 13C4 PFOA

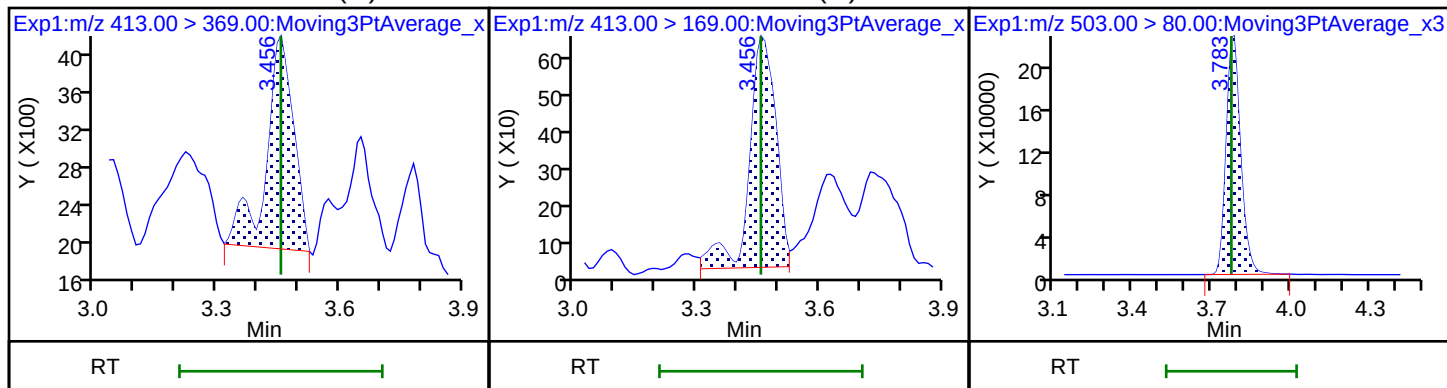
* 62 13C2 PFOA



15 Perfluorooctanoic acid (M)

15 Perfluorooctanoic acid (M)

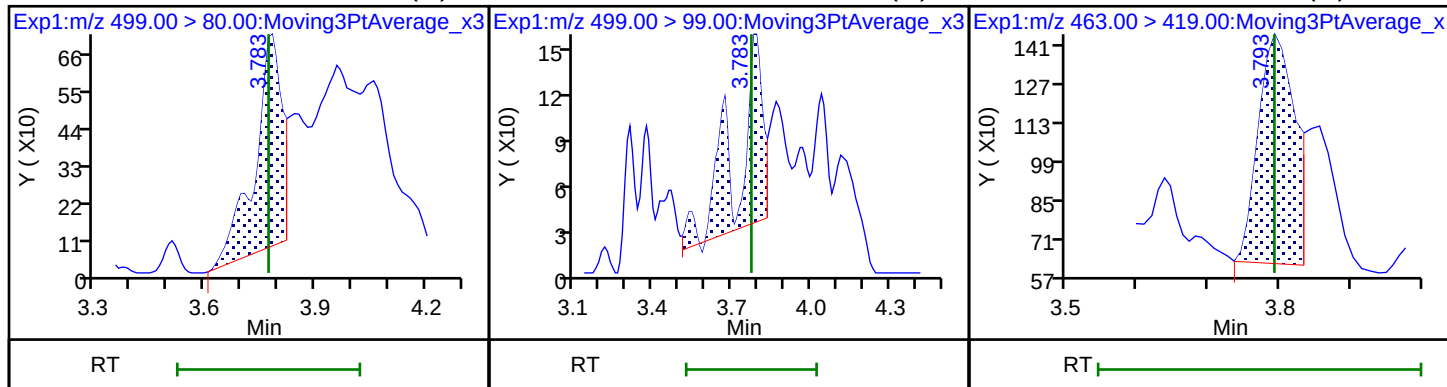
D 18 13C4 PFOS

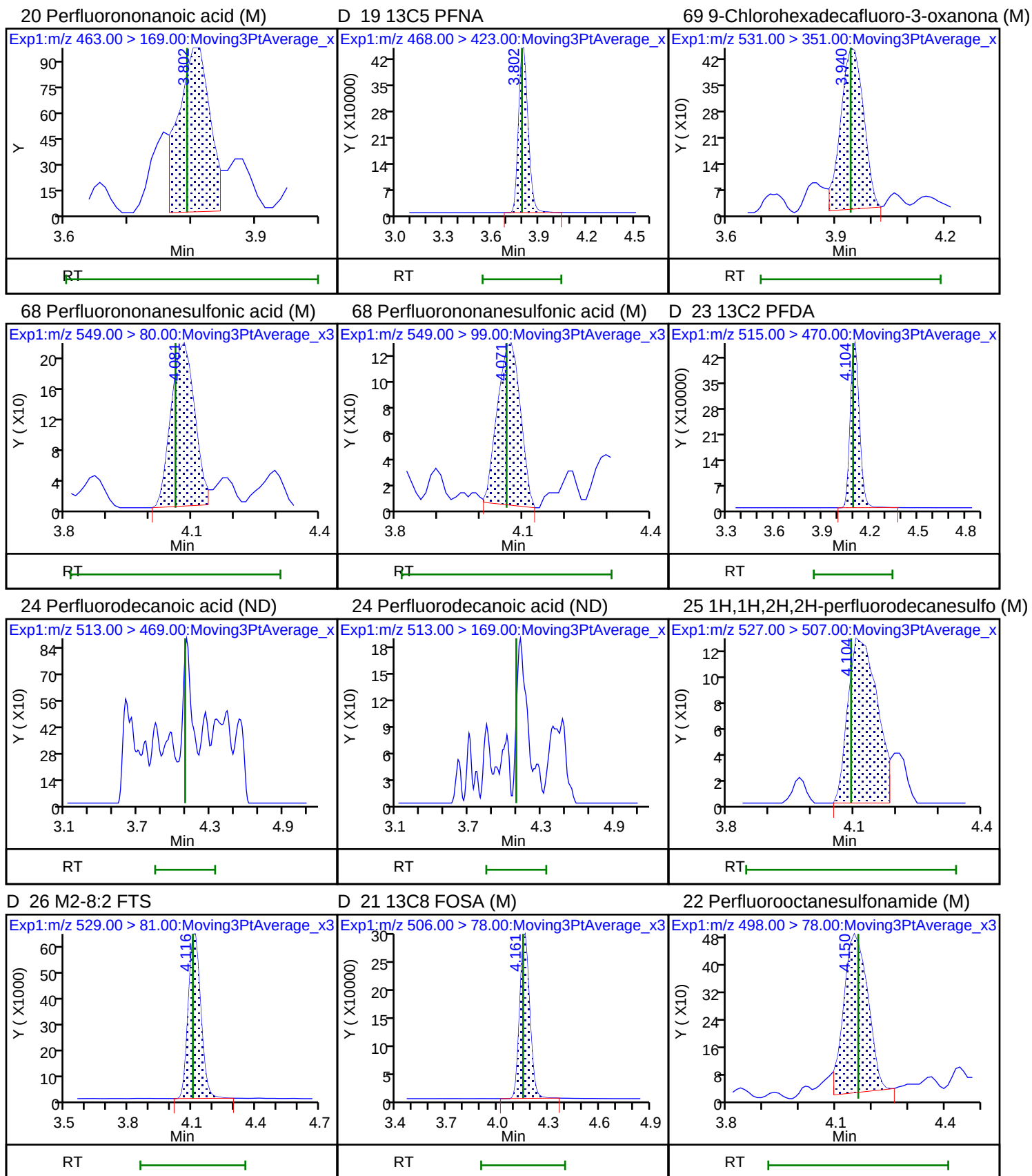


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

20 Perfluorononanoic acid (M)

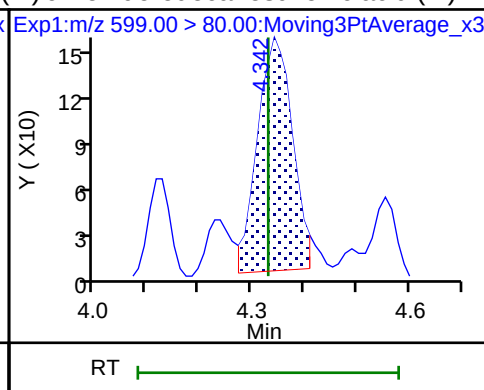
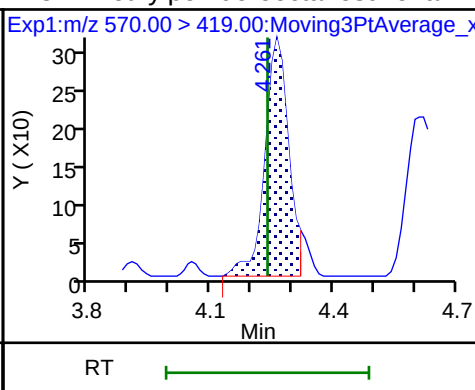
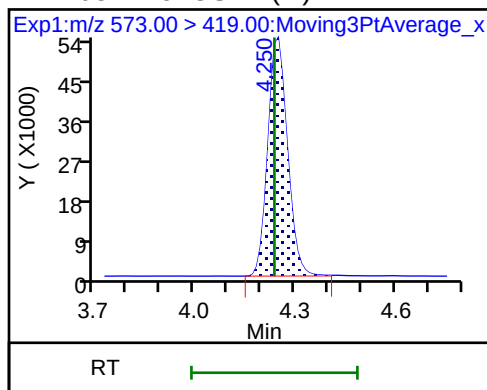




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami (M)

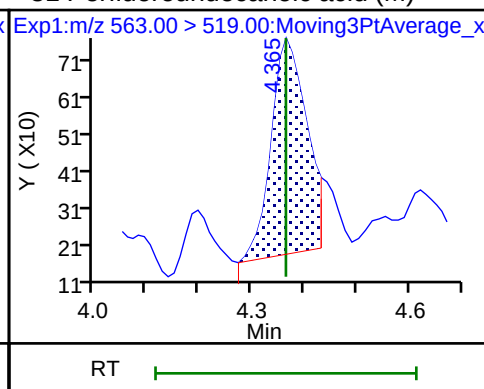
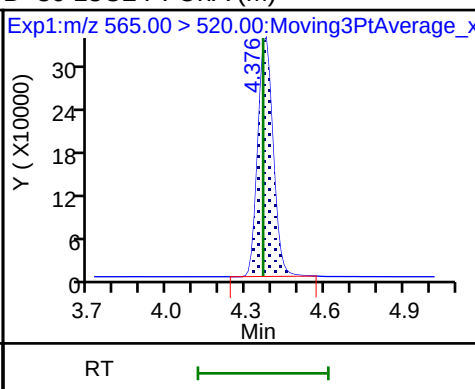
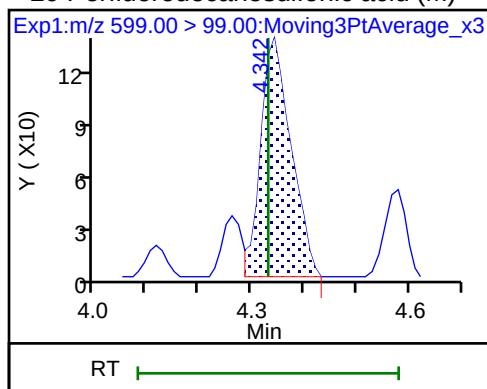
29 Perfluorodecanesulfonic acid (M)



29 Perfluorodecanesulfonic acid (M)

D 30 13C2 PFUnA (M)

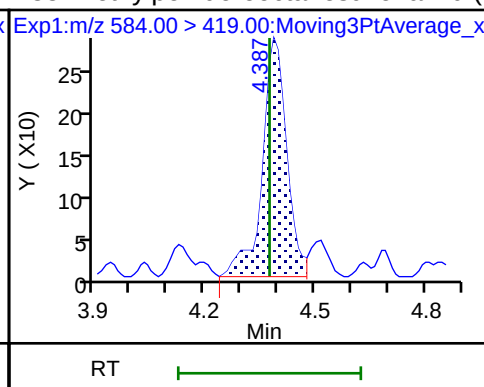
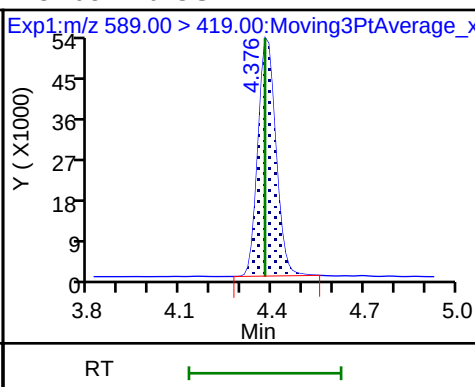
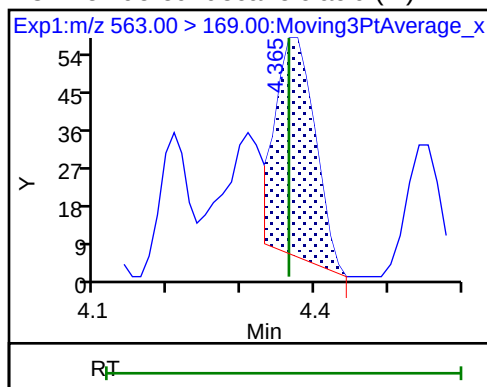
31 Perfluoroundecanoic acid (M)



31 Perfluoroundecanoic acid (M)

D 32 d5-NEtFOSAA

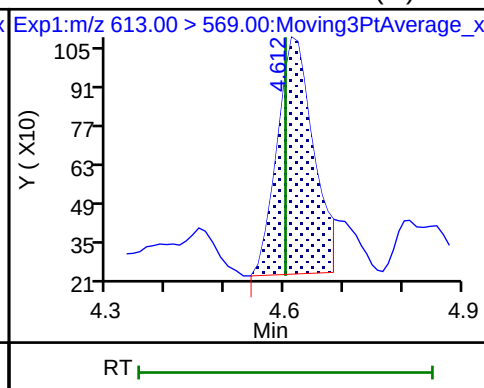
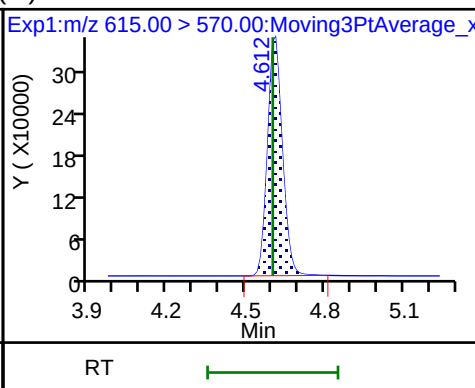
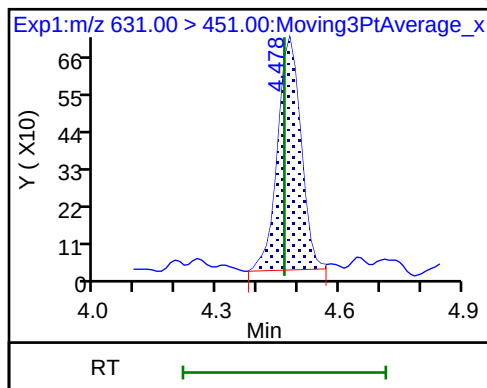
33 N-ethylperfluorooctanesulfonamid (M)

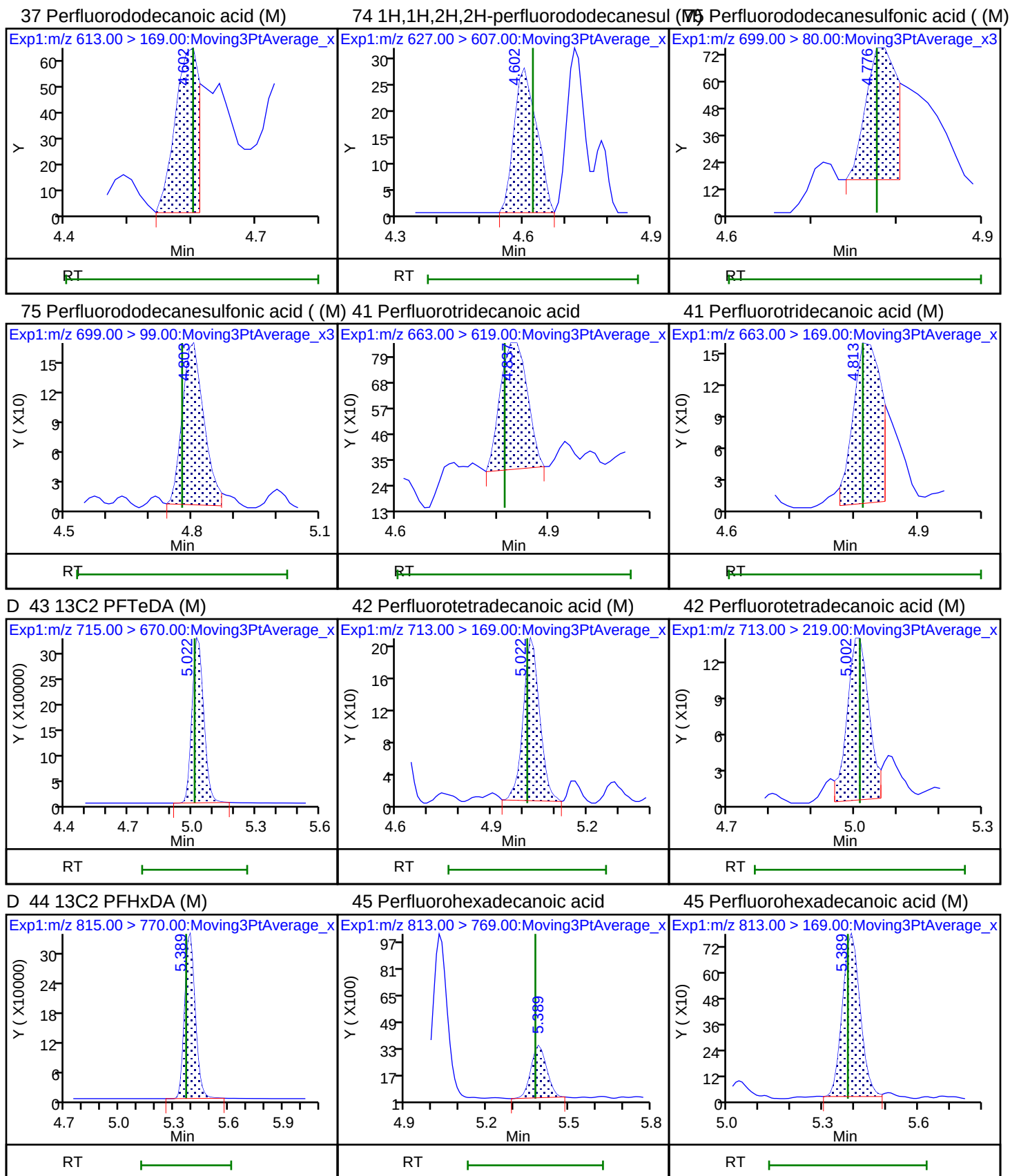


66 11-Chloroeicosafluoro-3-oxaundec (M)

36 13C2 PFDaA

37 Perfluorododecanoic acid (M)

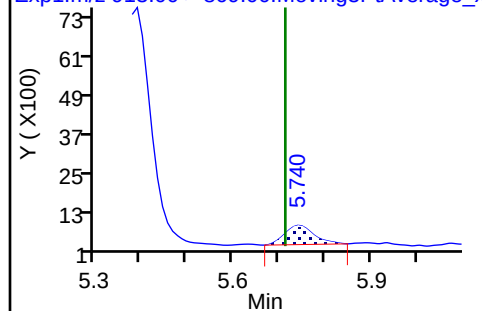




46 Perfluorooctadecanoic acid

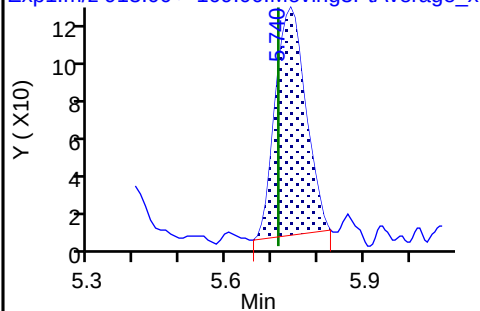
46 Perfluorooctadecanoic acid

Exp1:m/z 913.00 > 869.00:Moving3PtAverage_x



RT

Exp1:m/z 913.00 > 169.00:Moving3PtAverage_x



RT

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B02.d

Injection Date: 11-Aug-2022 18:39:19

Instrument ID: LC812

Lims ID: MB 200-182554/1-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

2

Worklist Smp#: 2

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

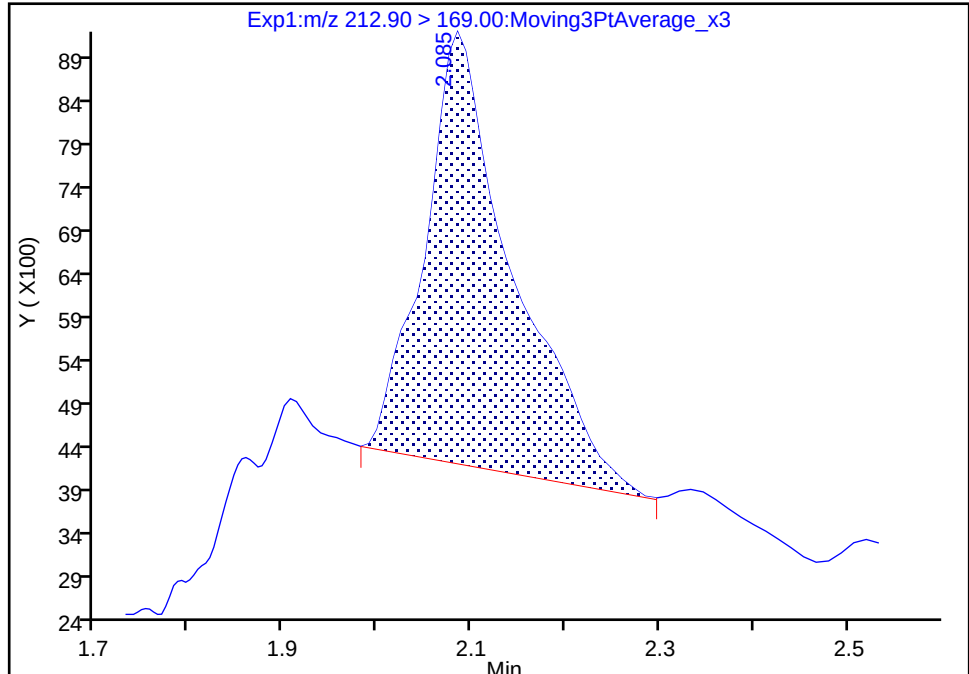
Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

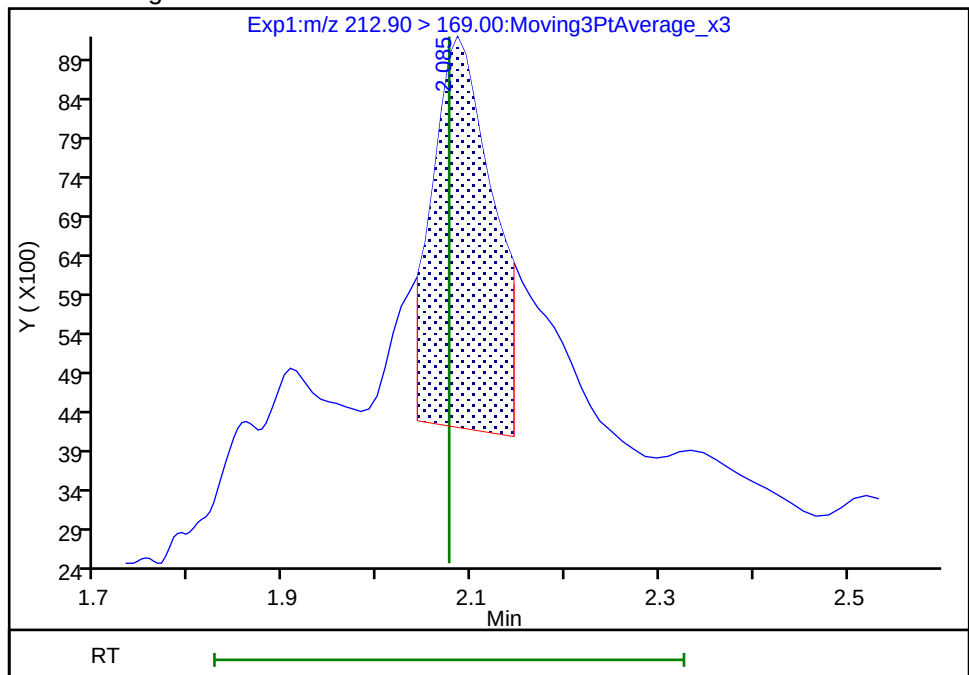
RT: 2.09
Area: 32573
Amount: 0.020322
Amount Units: ng/ml

Processing Integration Results



RT: 2.09
Area: 21769
Amount: 0.013616
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:03:20

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

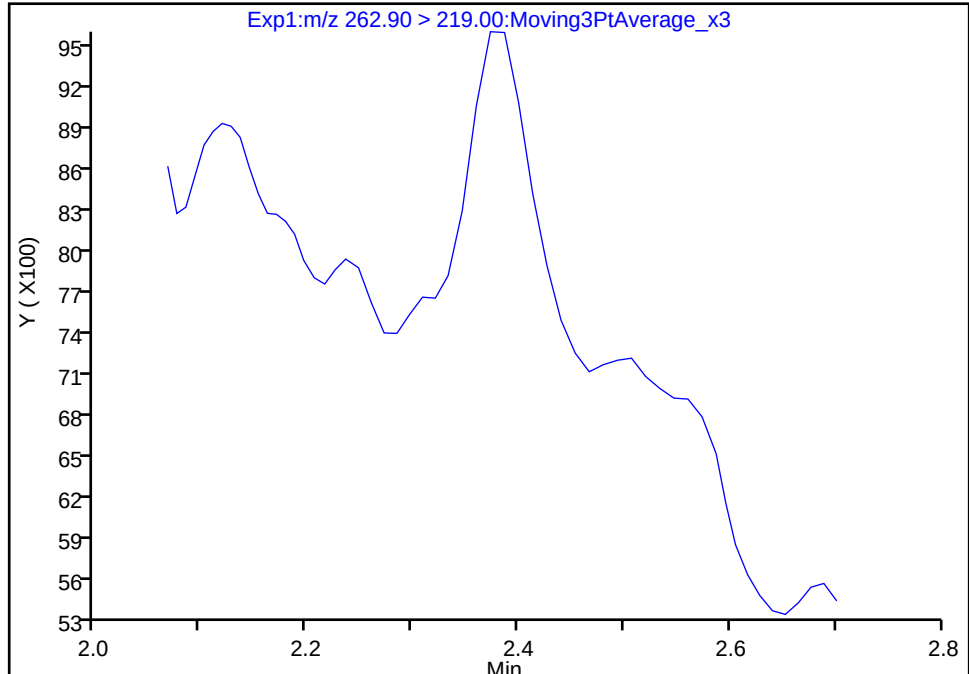
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B02.d
Injection Date: 11-Aug-2022 18:39:19 Instrument ID: LC812
Lims ID: MB 200-182554/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

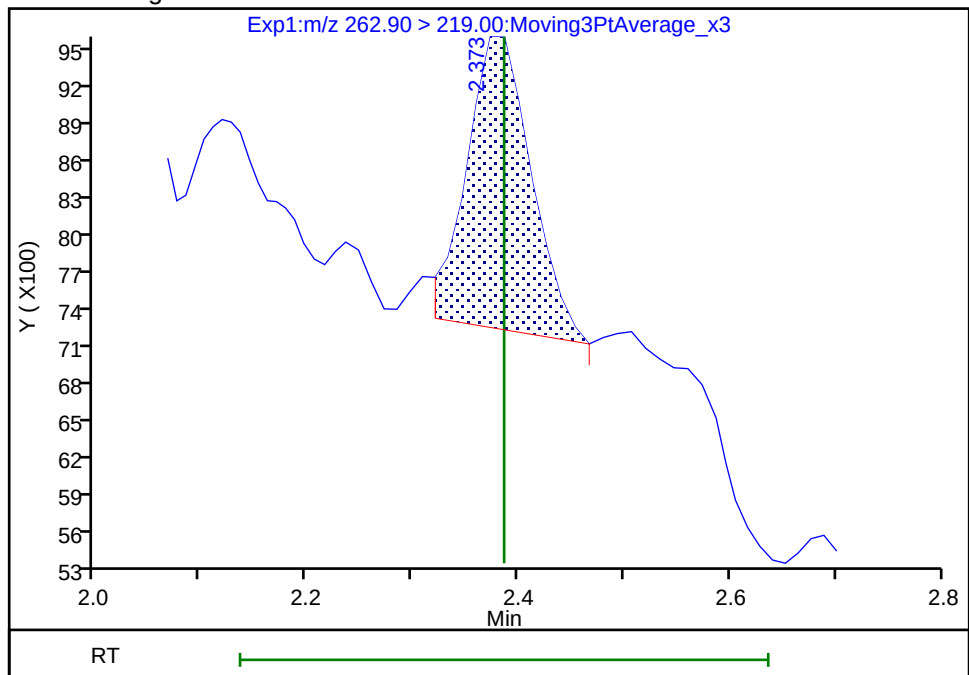
Not Detected
Expected RT: 2.39

Processing Integration Results



RT: 2.37
Area: 9826
Amount: 0.007125
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:03:46
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1217 of 1695

08/18/2022

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B02.d

Injection Date: 11-Aug-2022 18:39:19

Instrument ID: LC812

Lims ID: MB 200-182554/1-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

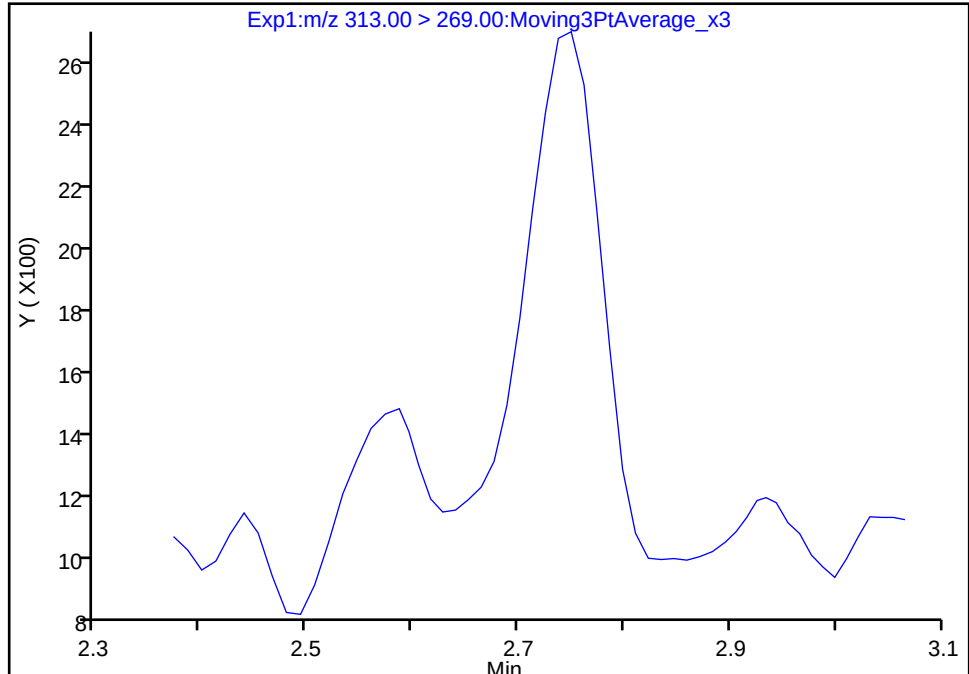
6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

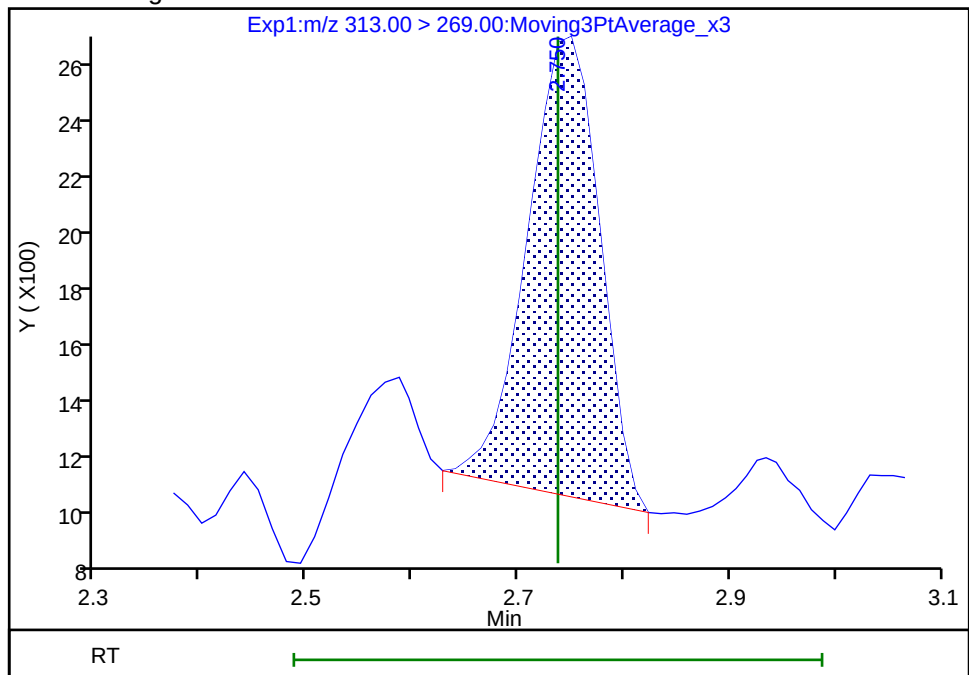
Not Detected

Expected RT: 2.74

Processing Integration Results



Manual Integration Results



RT: 2.75

Area: 7567

Amount: 0.005099

Amount Units: ng/ml

Reviewer: Z1IP, 12-Aug-2022 09:37:12

Audit Action: Manually Integrated

Audit Reason: Missed Peak

Eurofins Burlington

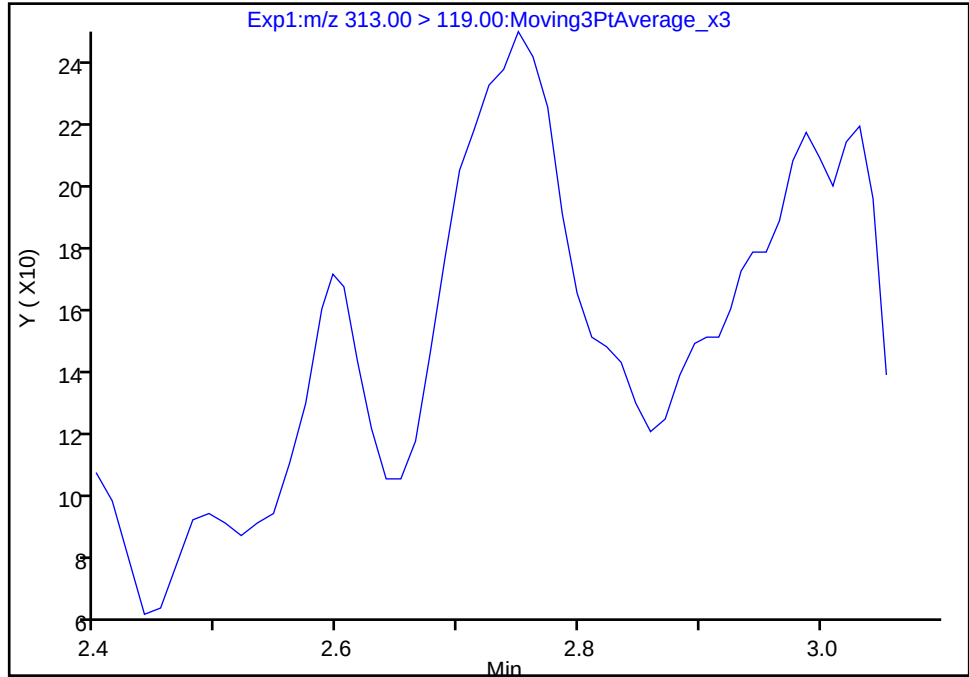
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B02.d
Injection Date: 11-Aug-2022 18:39:19 Instrument ID: LC812
Lims ID: MB 200-182554/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

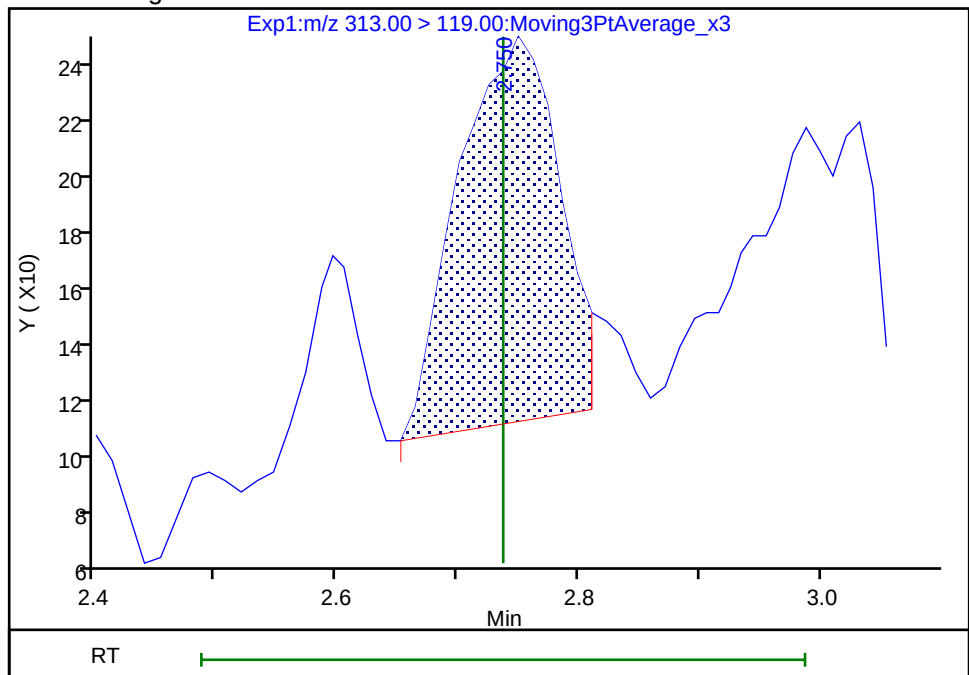
Not Detected
Expected RT: 2.74

Processing Integration Results



Manual Integration Results

RT: 2.75
Area: 783
Amount: 0.005099
Amount Units: ng/ml



Reviewer: Z1IP, 12-Aug-2022 09:37:23

Audit Action: Manually Integrated

Audit Reason: Missed Peak

Eurofins Burlington

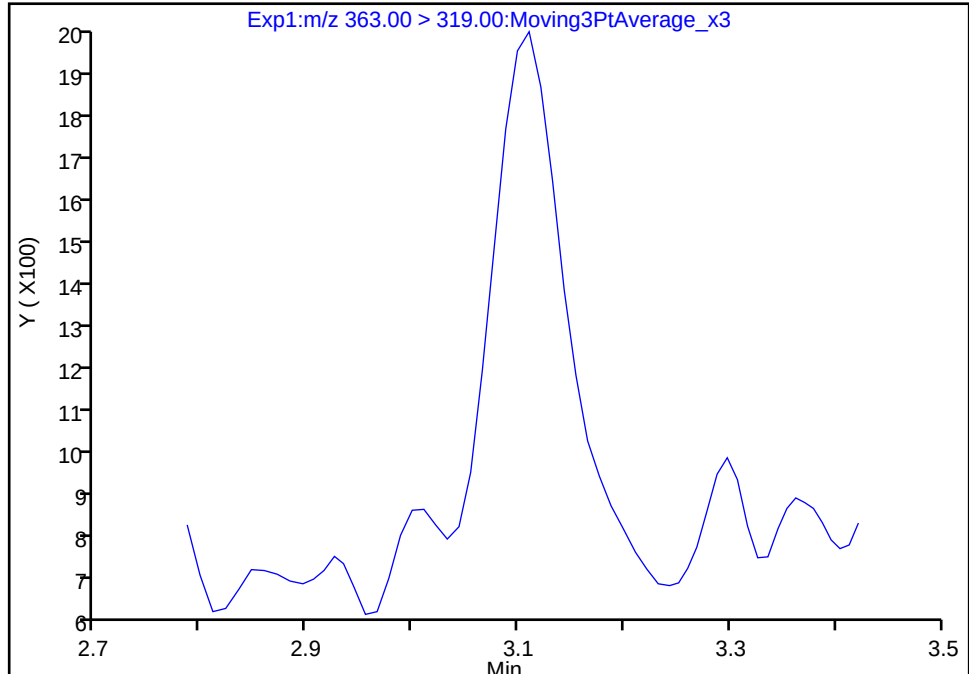
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B02.d
Injection Date: 11-Aug-2022 18:39:19 Instrument ID: LC812
Lims ID: MB 200-182554/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

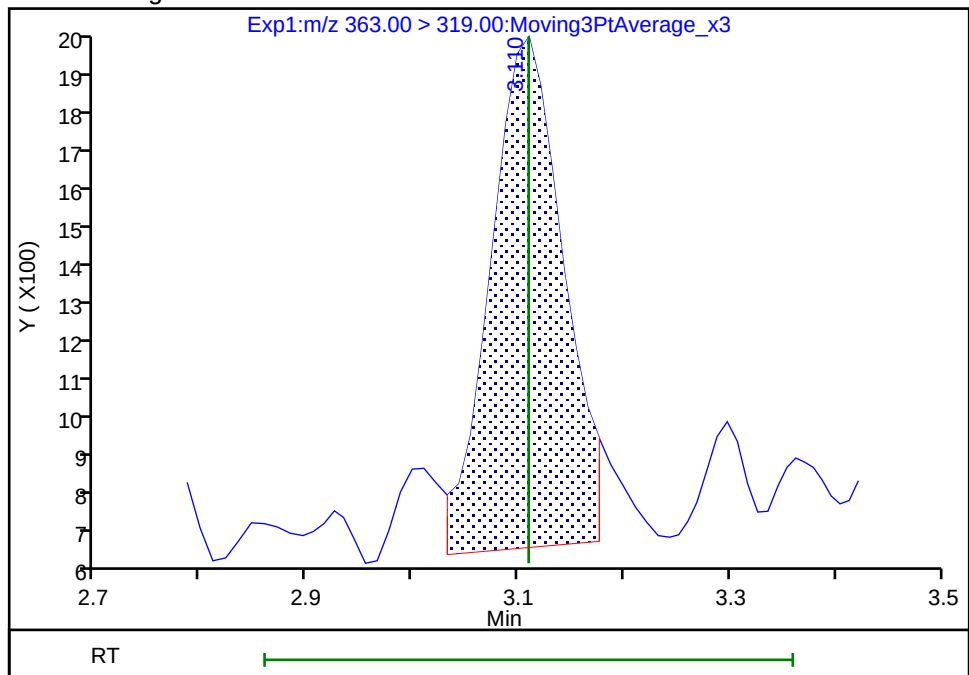
Not Detected
Expected RT: 3.11

Processing Integration Results



RT: 3.11
Area: 5899
Amount: 0.004078
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:08:30
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

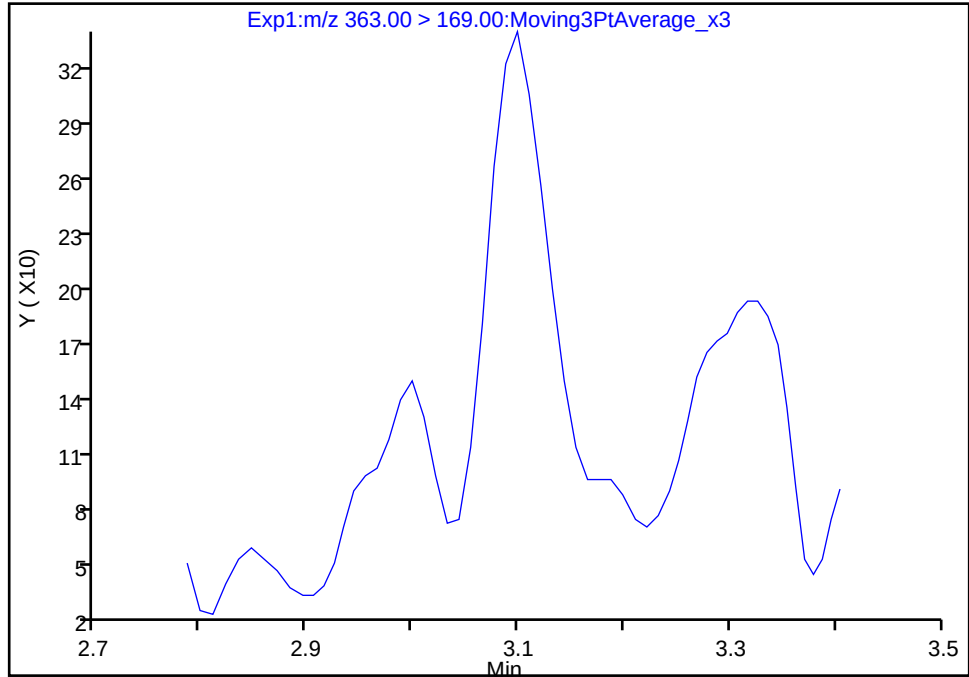
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B02.d
Injection Date: 11-Aug-2022 18:39:19 Instrument ID: LC812
Lims ID: MB 200-182554/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

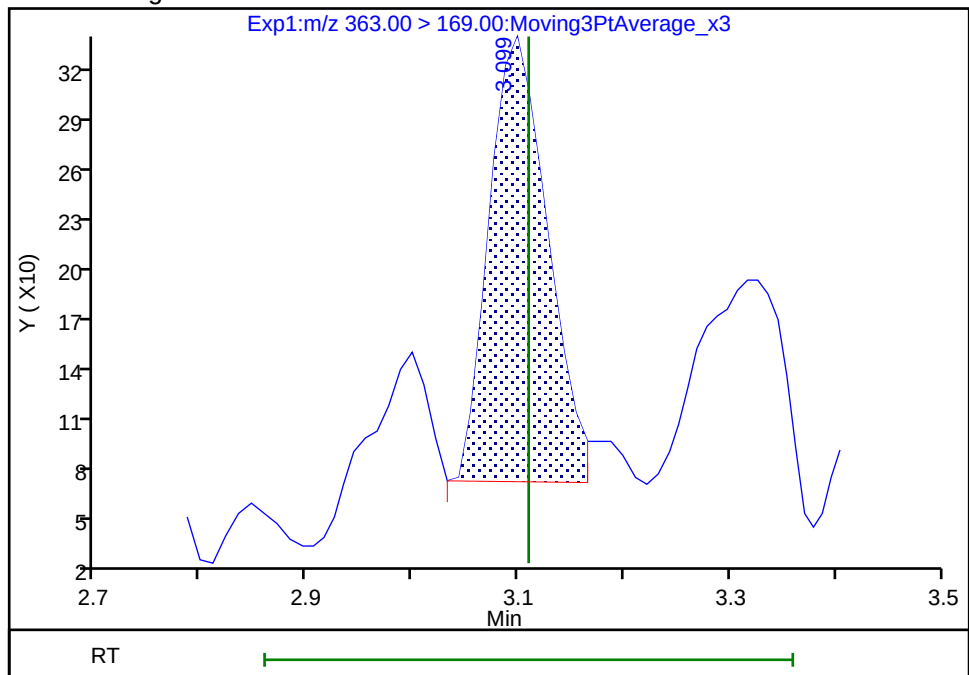
Not Detected
Expected RT: 3.11

Processing Integration Results



Manual Integration Results

RT: 3.10
Area: 993
Amount: 0.004078
Amount Units: ng/ml



Reviewer: nampitakw, 12-Aug-2022 08:08:42

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B02.d

Injection Date: 11-Aug-2022 18:39:19

Instrument ID: LC812

Lims ID: MB 200-182554/1-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

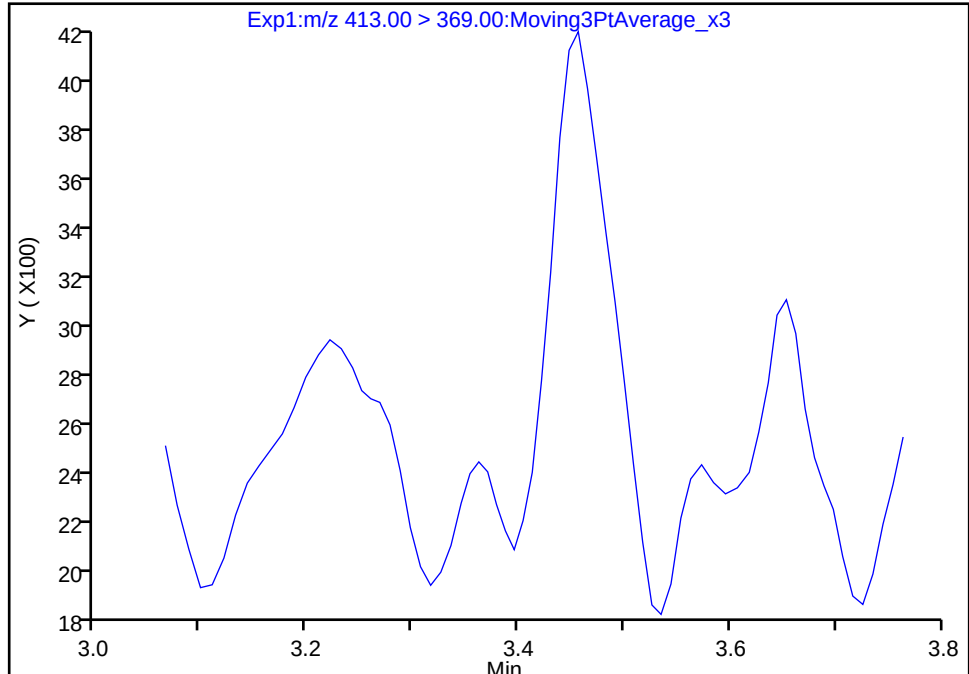
15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

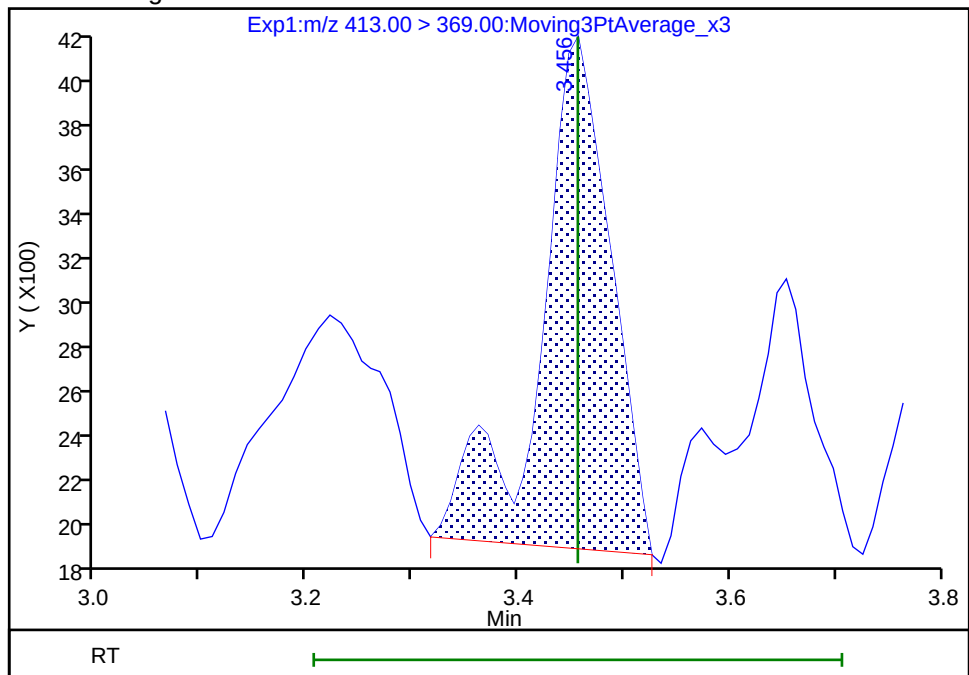
Not Detected

Expected RT: 3.46

Processing Integration Results



Manual Integration Results



RT: 3.46

Area: 10027

Amount: 0.006106

Amount Units: ng/ml

Reviewer: nampitakw, 12-Aug-2022 08:10:26

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

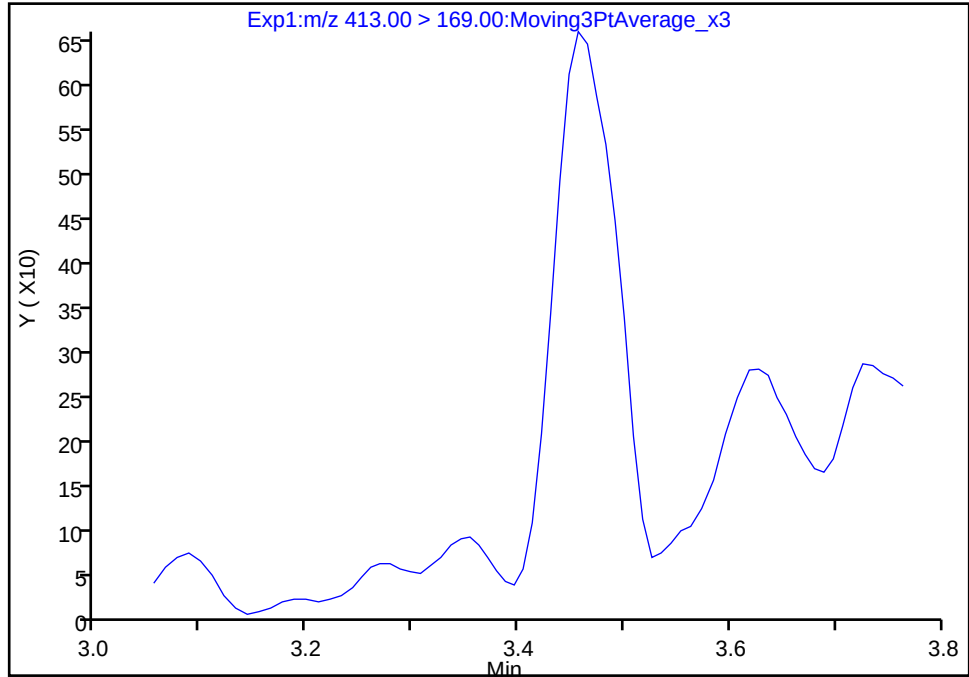
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B02.d
Injection Date: 11-Aug-2022 18:39:19 Instrument ID: LC812
Lims ID: MB 200-182554/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

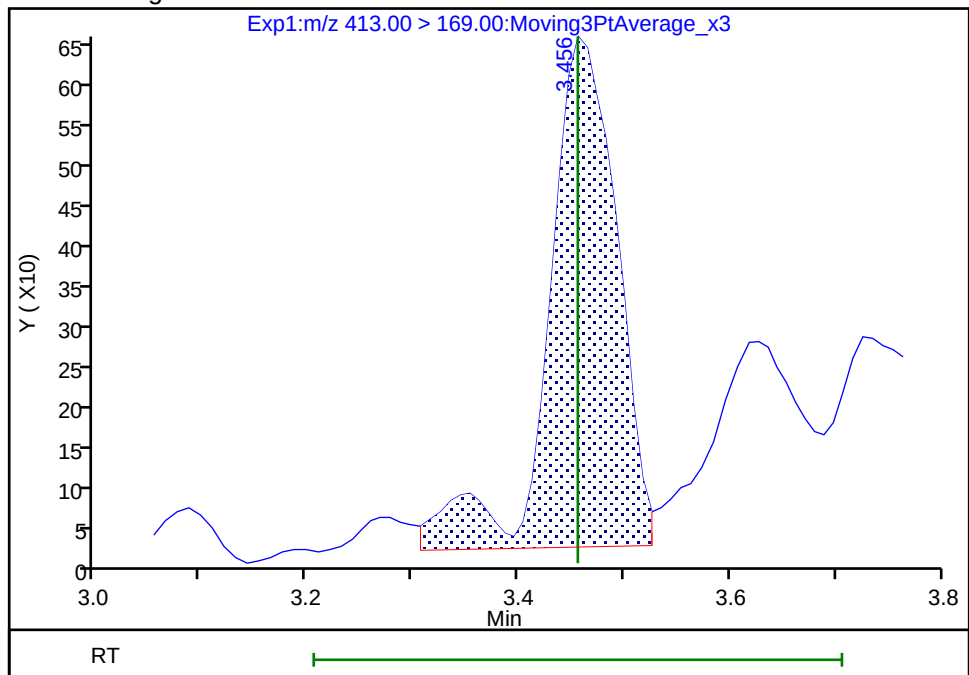
Not Detected
Expected RT: 3.46

Processing Integration Results



Manual Integration Results

RT: 3.46
Area: 2876
Amount: 0.006106
Amount Units: ng/ml



Reviewer: nampitakw, 12-Aug-2022 08:11:00

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

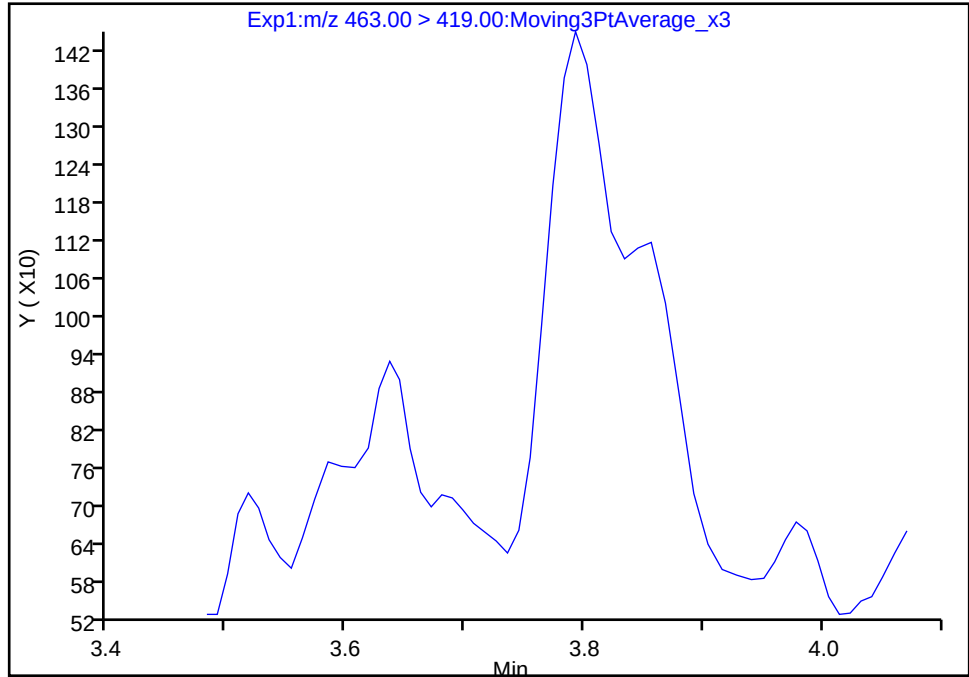
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B02.d
Injection Date: 11-Aug-2022 18:39:19 Instrument ID: LC812
Lims ID: MB 200-182554/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

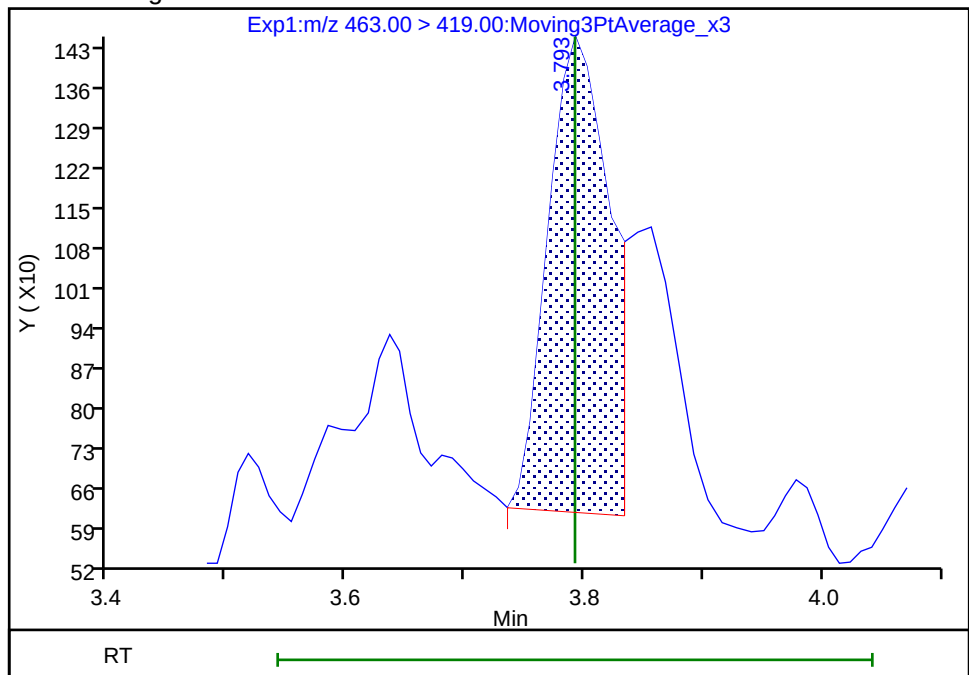
Signal: 1

Not Detected
Expected RT: 3.79

Processing Integration Results



Manual Integration Results



RT: 3.79
Area: 2924
Amount: 0.001966
Amount Units: ng/ml

Reviewer: nampitakw, 12-Aug-2022 08:11:54
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1224 of 1695

08/18/2022

Eurofins Burlington

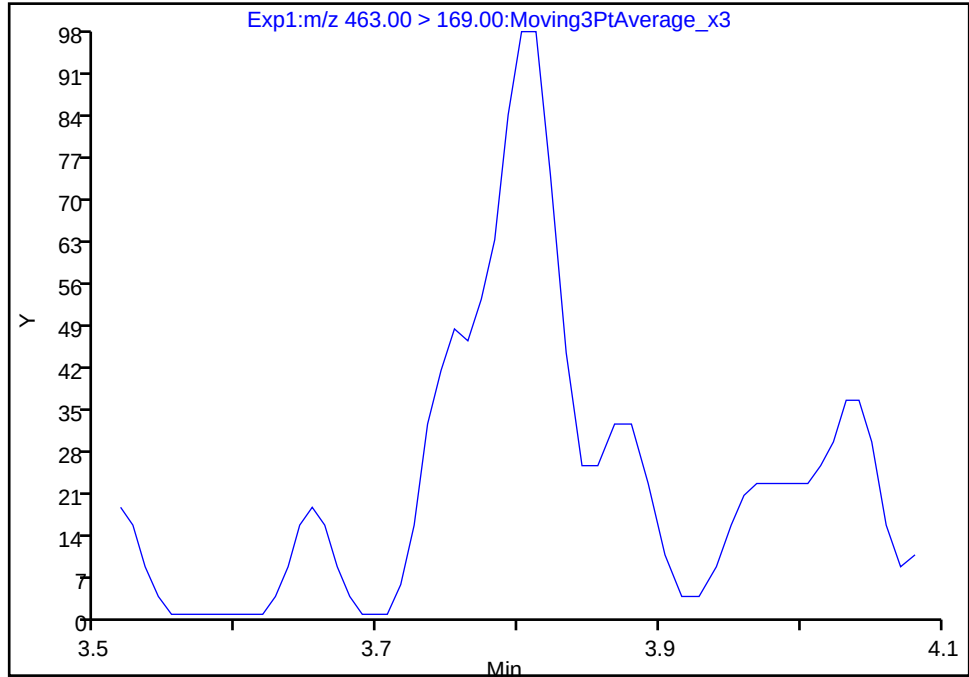
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B02.d
Injection Date: 11-Aug-2022 18:39:19 Instrument ID: LC812
Lims ID: MB 200-182554/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

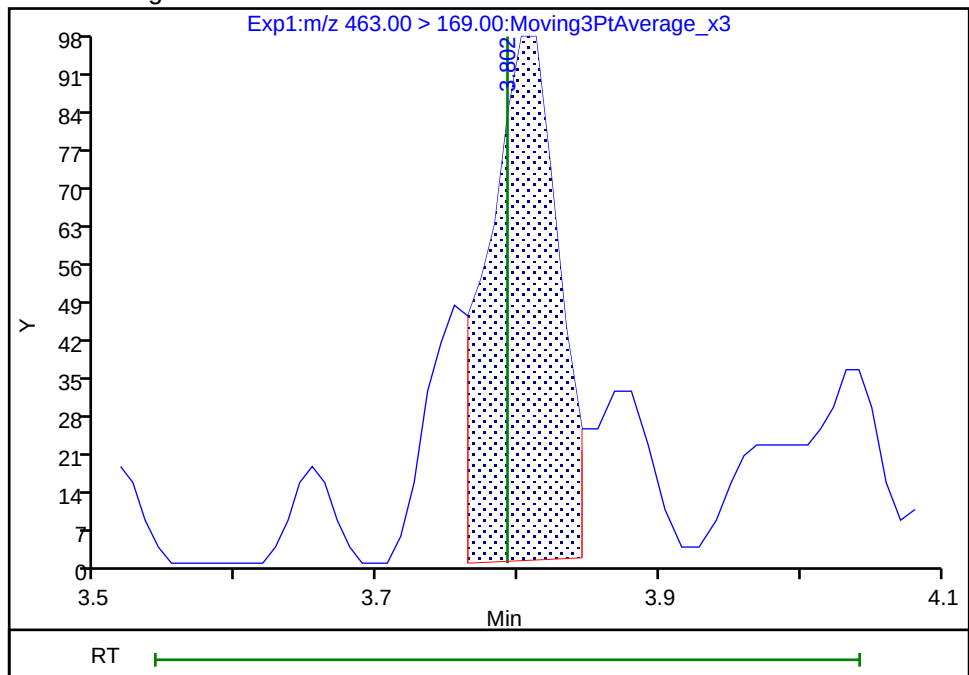
Not Detected
Expected RT: 3.79

Processing Integration Results



Manual Integration Results

RT: 3.80
Area: 328
Amount: 0.001966
Amount Units: ng/ml



Reviewer: nampitakw, 12-Aug-2022 08:11:57

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

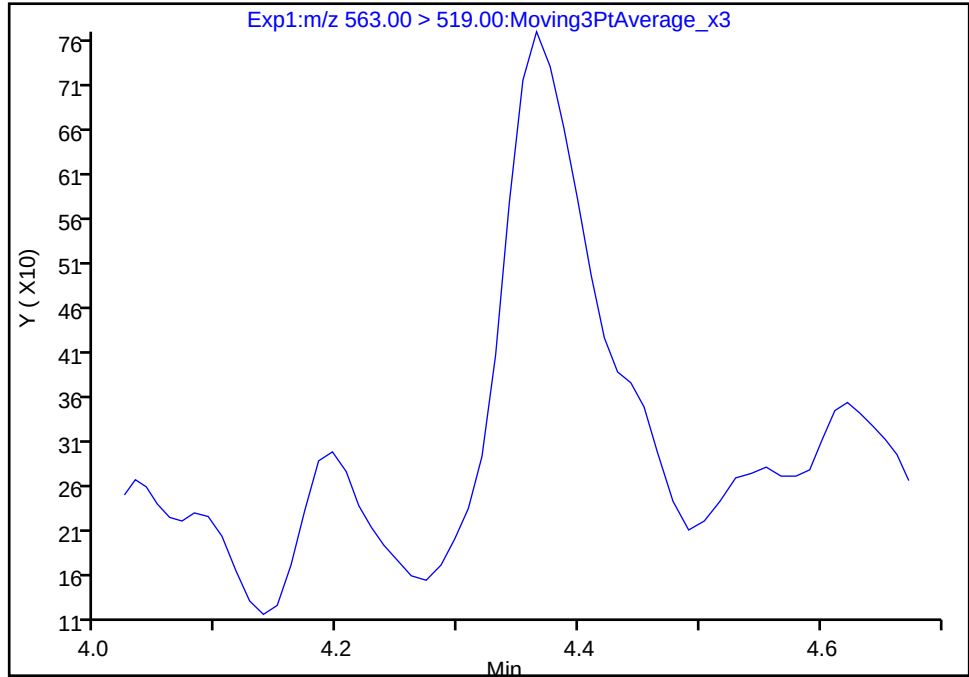
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B02.d
Injection Date: 11-Aug-2022 18:39:19 Instrument ID: LC812
Lims ID: MB 200-182554/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

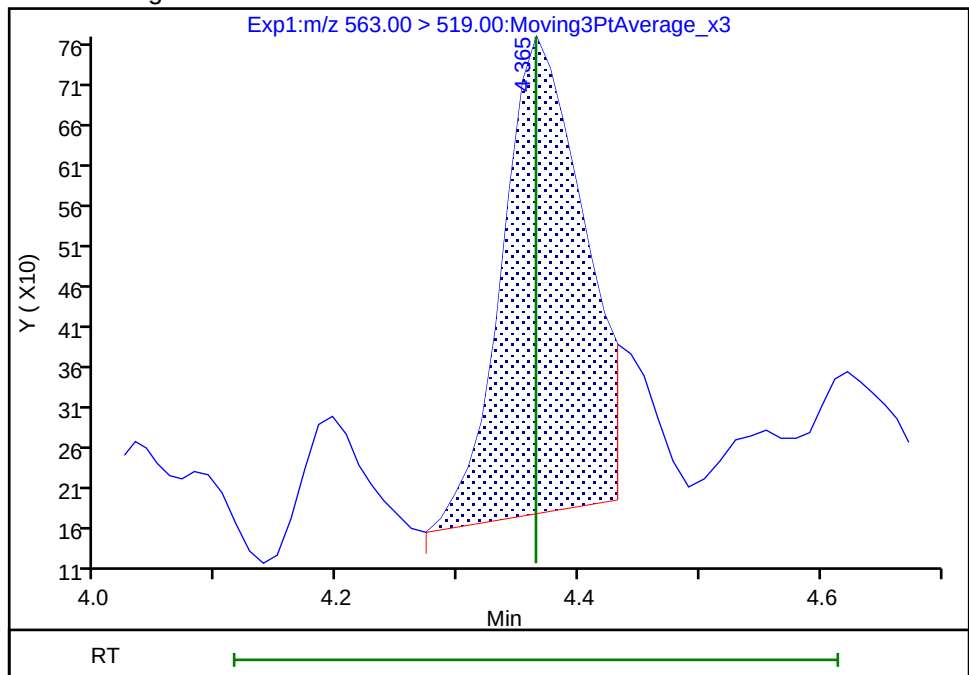
Not Detected
Expected RT: 4.36

Processing Integration Results



Manual Integration Results

RT: 4.36
Area: 2746
Amount: 0.002386
Amount Units: ng/ml



Reviewer: nampitakw, 12-Aug-2022 08:13:42
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B02.d

Injection Date: 11-Aug-2022 18:39:19

Instrument ID: LC812

Lims ID: MB 200-182554/1-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

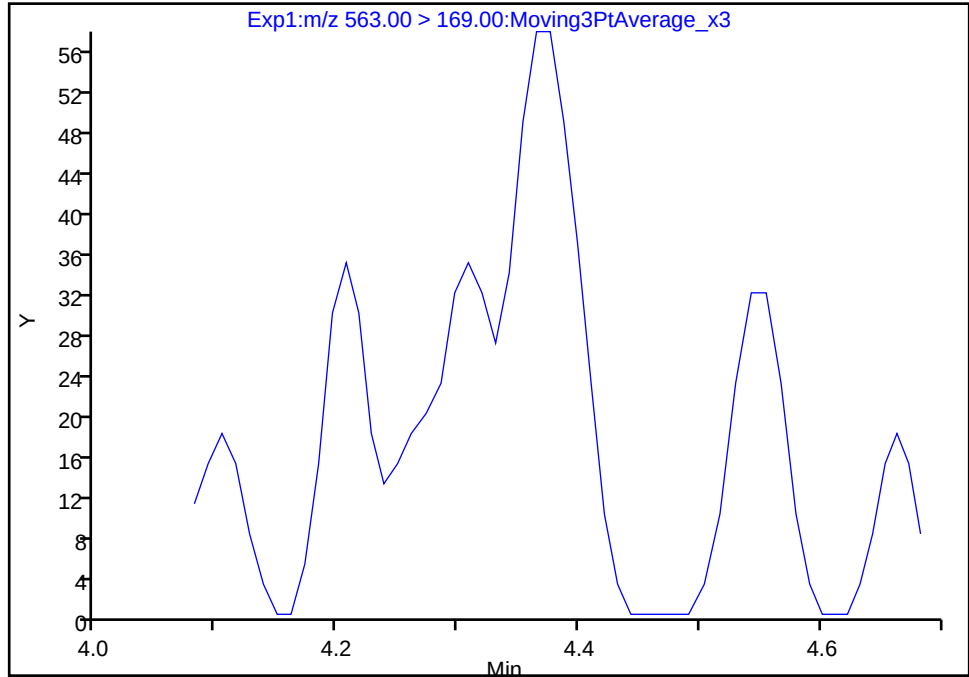
31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

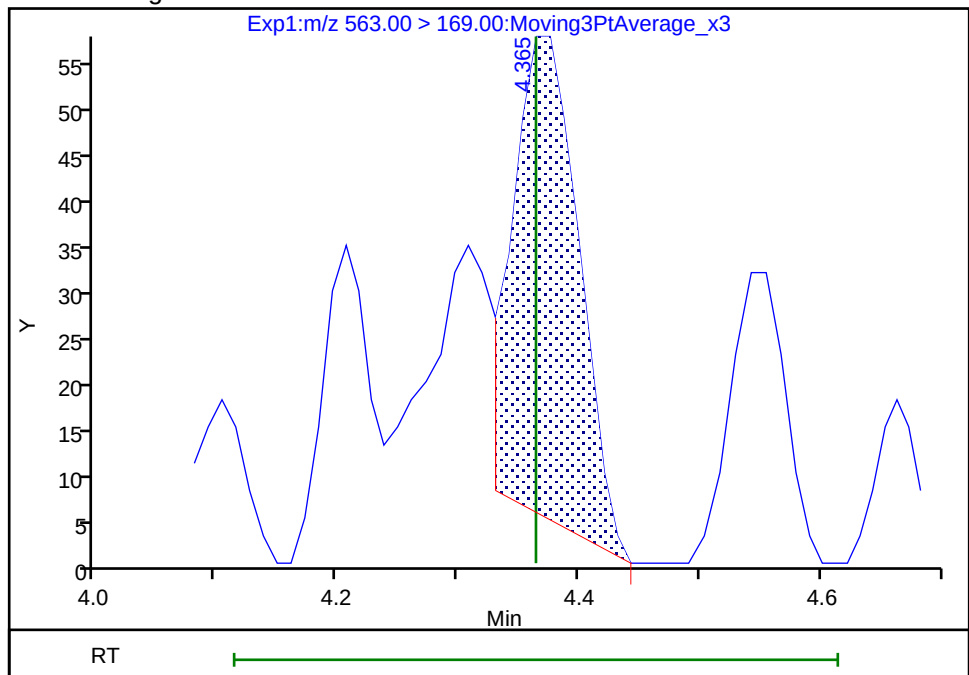
Not Detected

Expected RT: 4.36

Processing Integration Results



Manual Integration Results



RT: 4.36

Area: 199

Amount: 0.002386

Amount Units: ng/ml

Reviewer: nampitakw, 12-Aug-2022 08:13:44

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

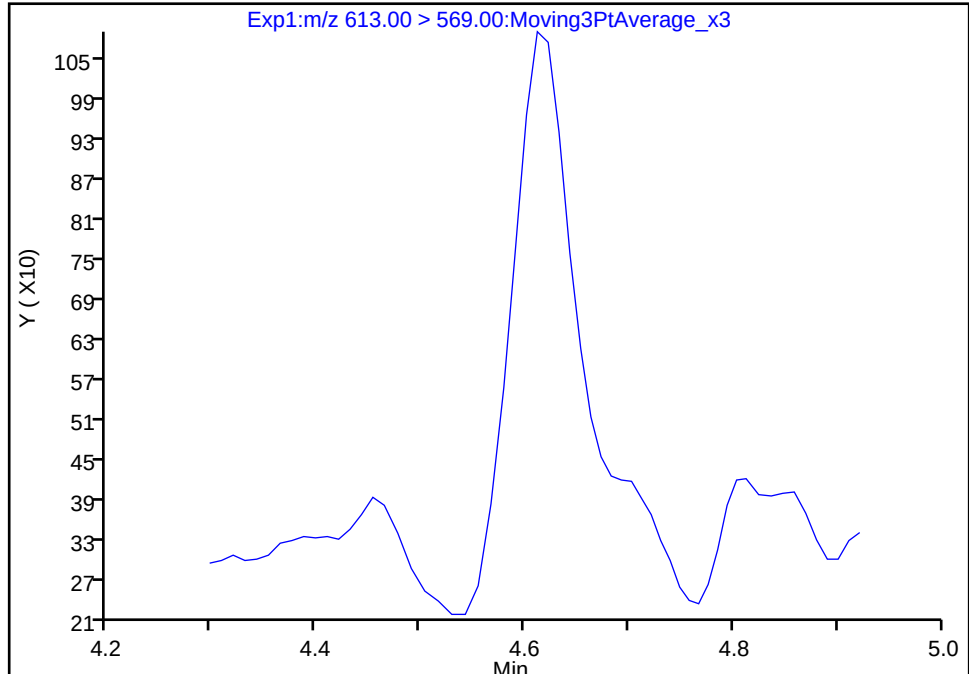
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B02.d
Injection Date: 11-Aug-2022 18:39:19 Instrument ID: LC812
Lims ID: MB 200-182554/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

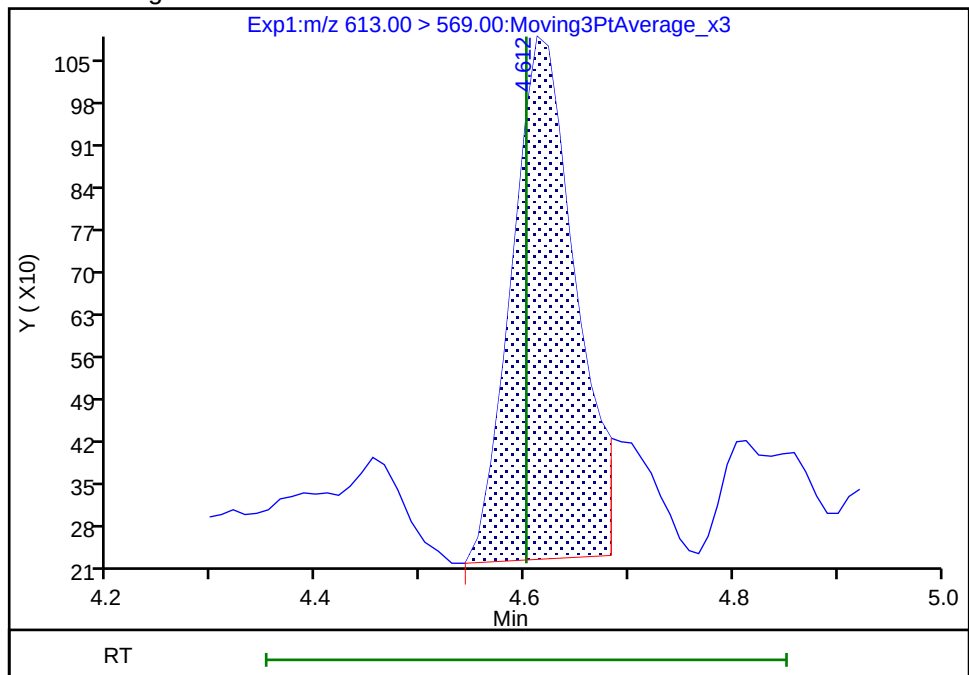
Not Detected
Expected RT: 4.60

Processing Integration Results



RT: 4.61
Area: 3667
Amount: 0.003349
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:14:39
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

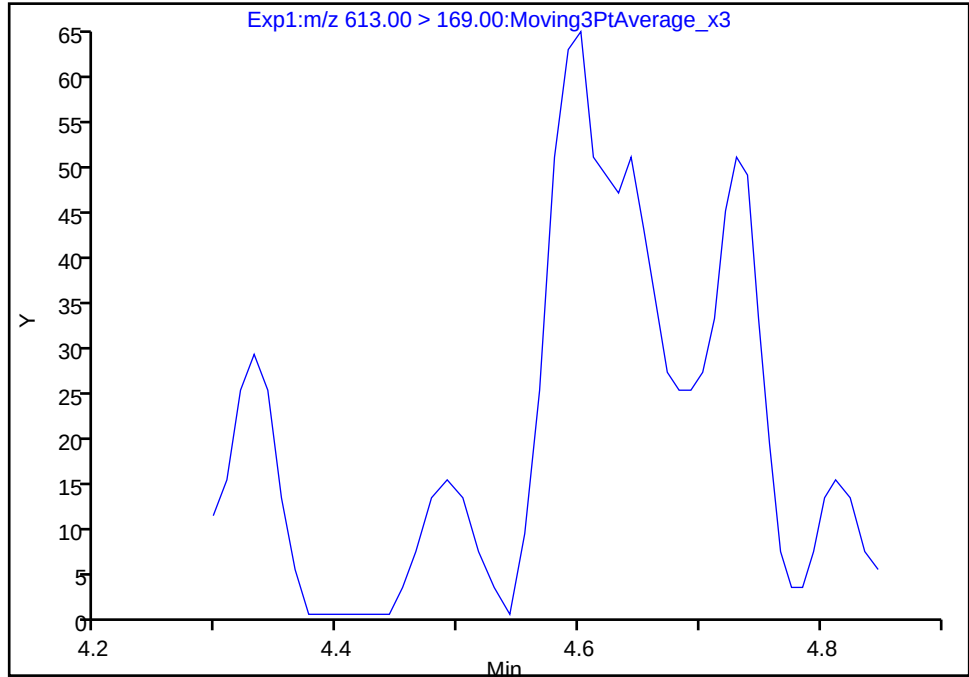
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B02.d
Injection Date: 11-Aug-2022 18:39:19 Instrument ID: LC812
Lims ID: MB 200-182554/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

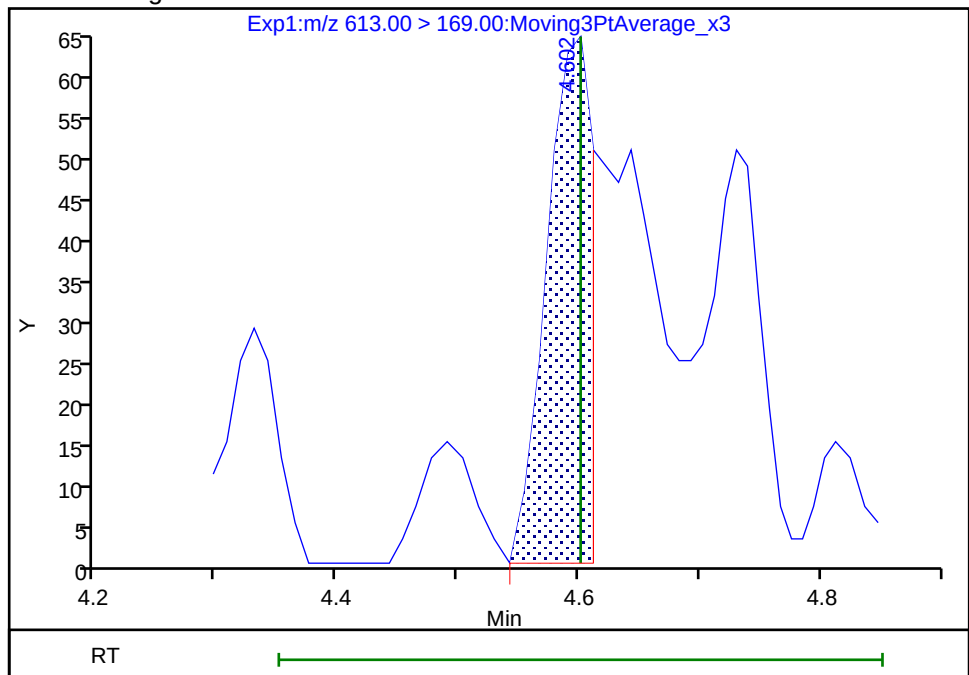
Not Detected
Expected RT: 4.60

Processing Integration Results



Manual Integration Results

RT: 4.60
Area: 159
Amount: 0.003349
Amount Units: ng/ml



Reviewer: nampitakw, 12-Aug-2022 08:14:44

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B02.d

Injection Date: 11-Aug-2022 18:39:19

Instrument ID: LC812

Lims ID: MB 200-182554/1-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

2

Worklist Smp#: 2

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

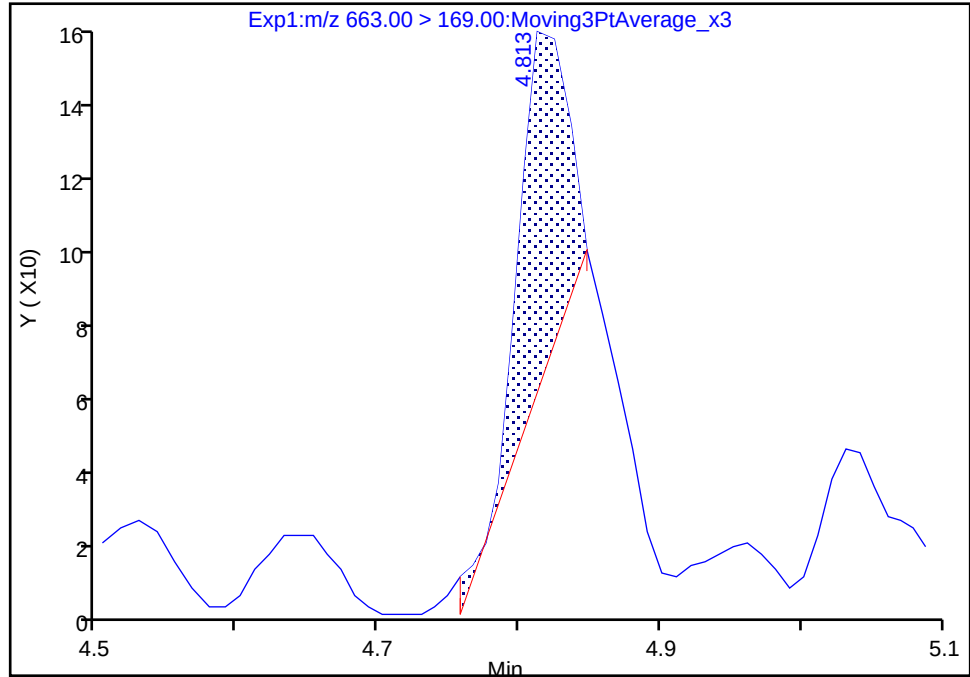
EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

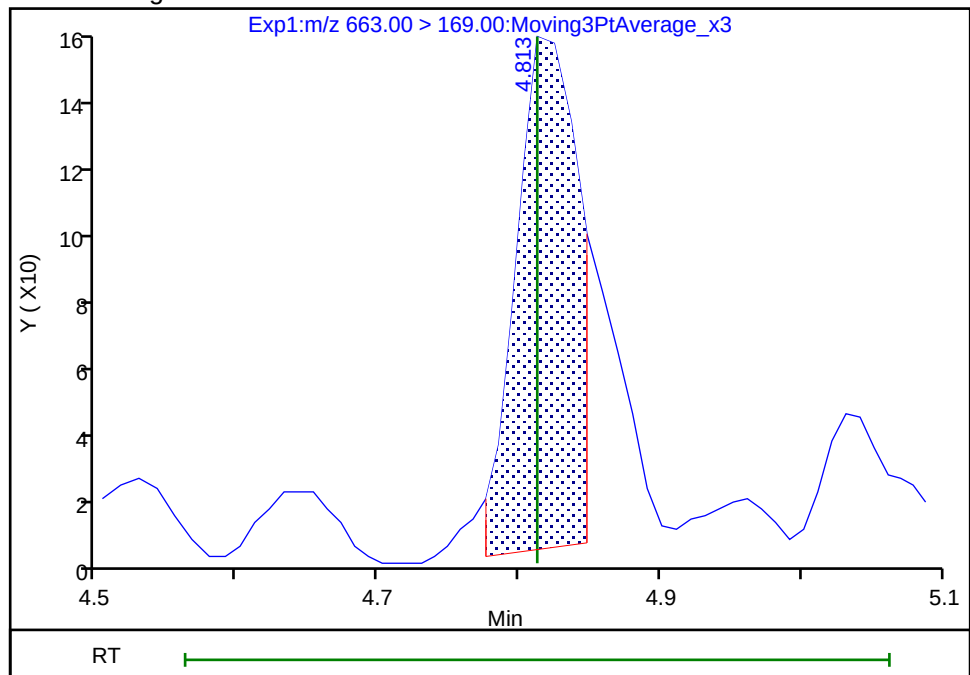
RT: 4.81
Area: 214
Amount: 0.002147
Amount Units: ng/ml

Processing Integration Results



RT: 4.81
Area: 444
Amount: 0.002147
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:15:42

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B02.d

Injection Date: 11-Aug-2022 18:39:19

Instrument ID: LC812

Lims ID: MB 200-182554/1-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

2

Worklist Smp#: 2

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

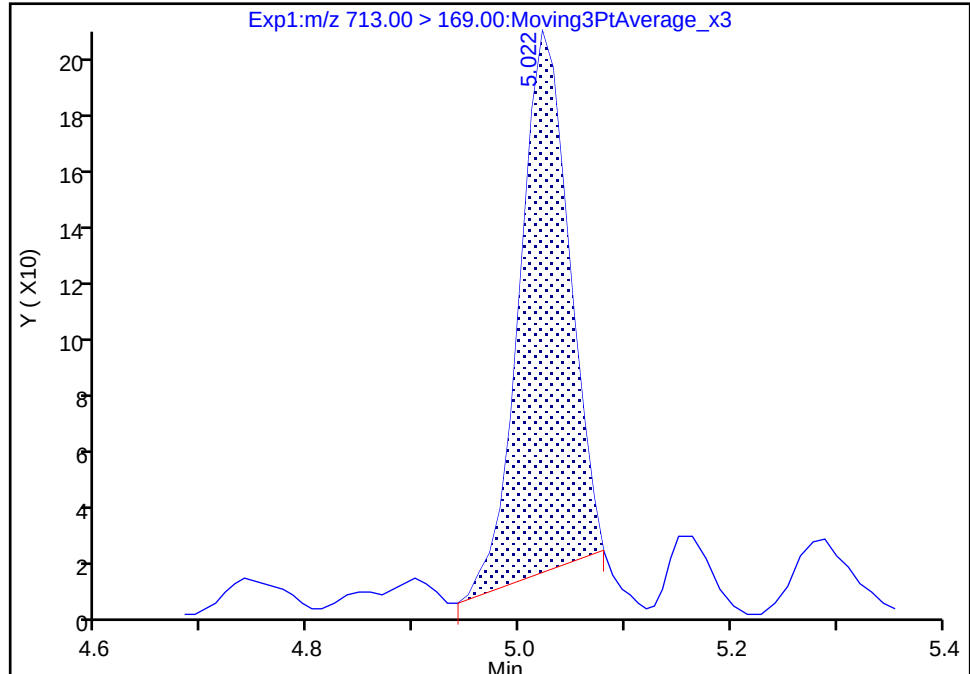
EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

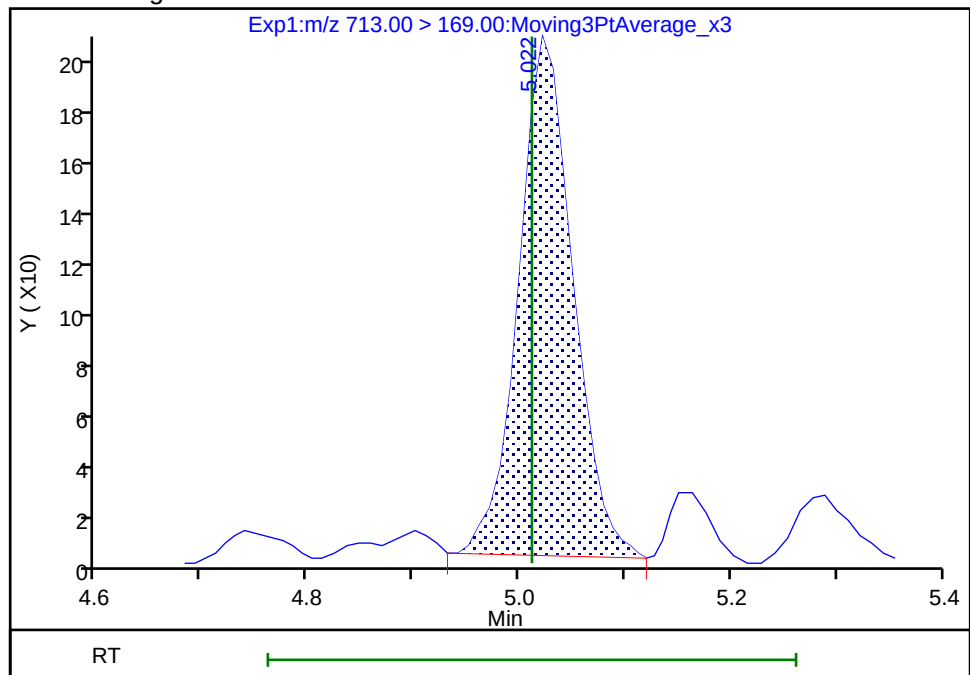
RT: 5.02
Area: 631
Amount: 0.004011
Amount Units: ng/ml

Processing Integration Results



RT: 5.02
Area: 734
Amount: 0.004699
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:15:53

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

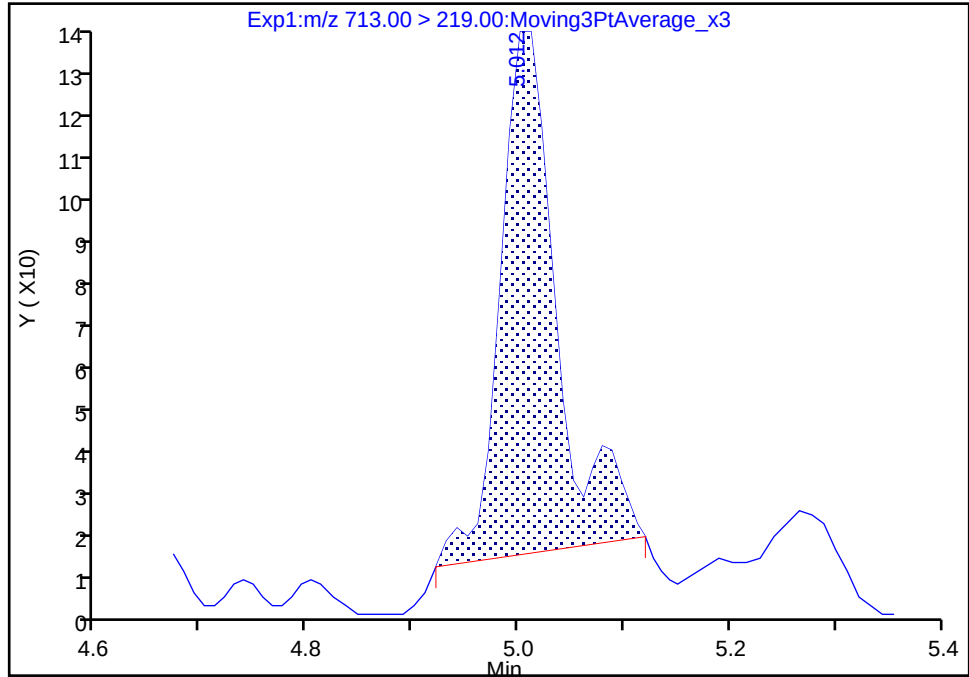
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B02.d
Injection Date: 11-Aug-2022 18:39:19 Instrument ID: LC812
Lims ID: MB 200-182554/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

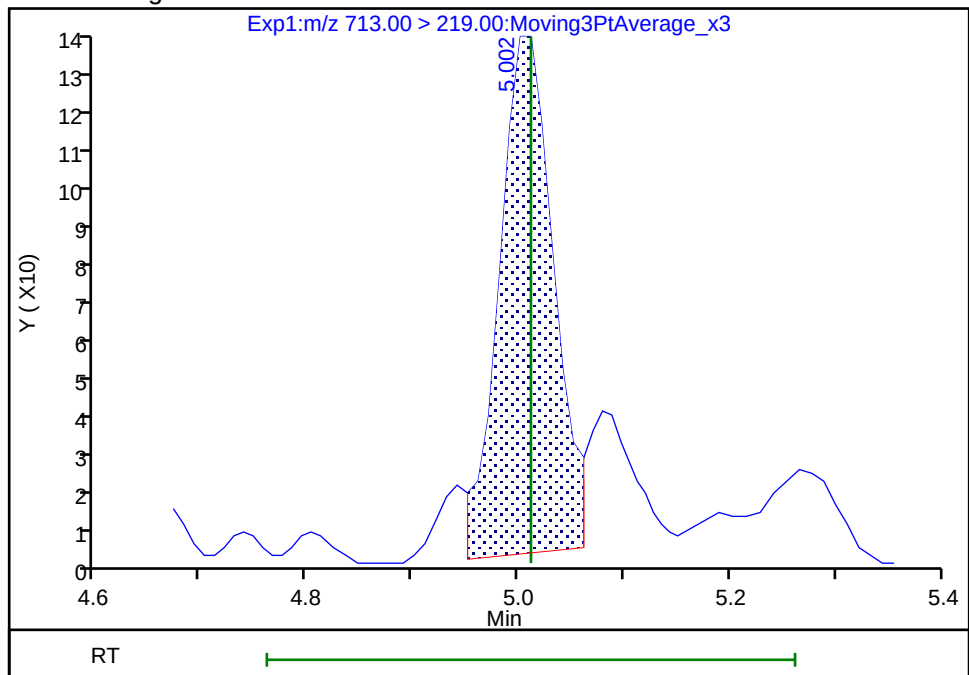
RT: 5.01
Area: 452
Amount: 0.004011
Amount Units: ng/ml

Processing Integration Results



RT: 5.00
Area: 470
Amount: 0.004699
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:16:01

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

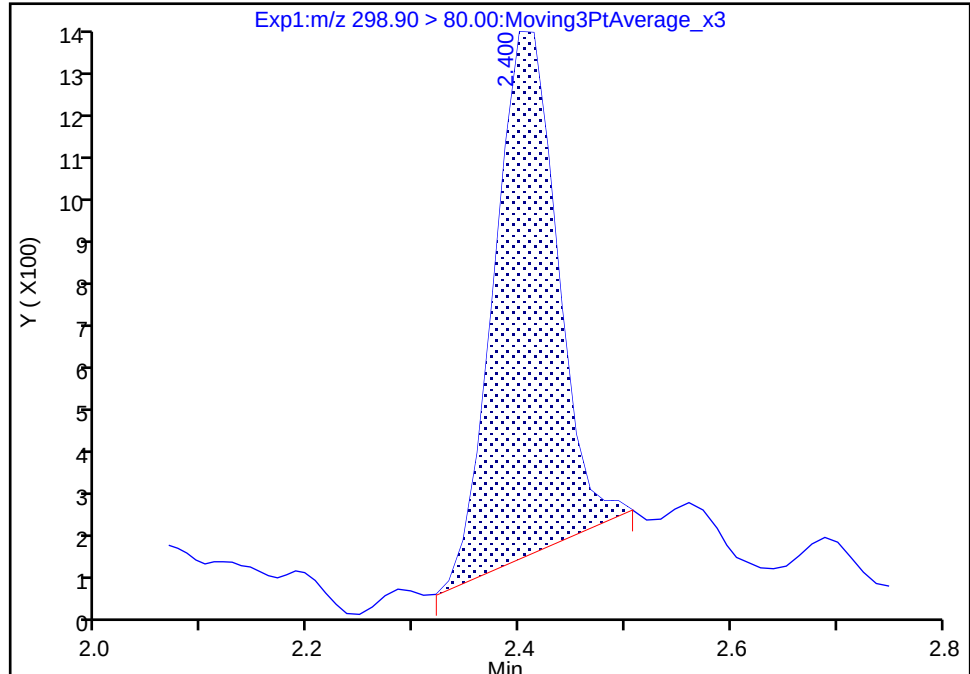
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B02.d
Injection Date: 11-Aug-2022 18:39:19 Instrument ID: LC812
Lims ID: MB 200-182554/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

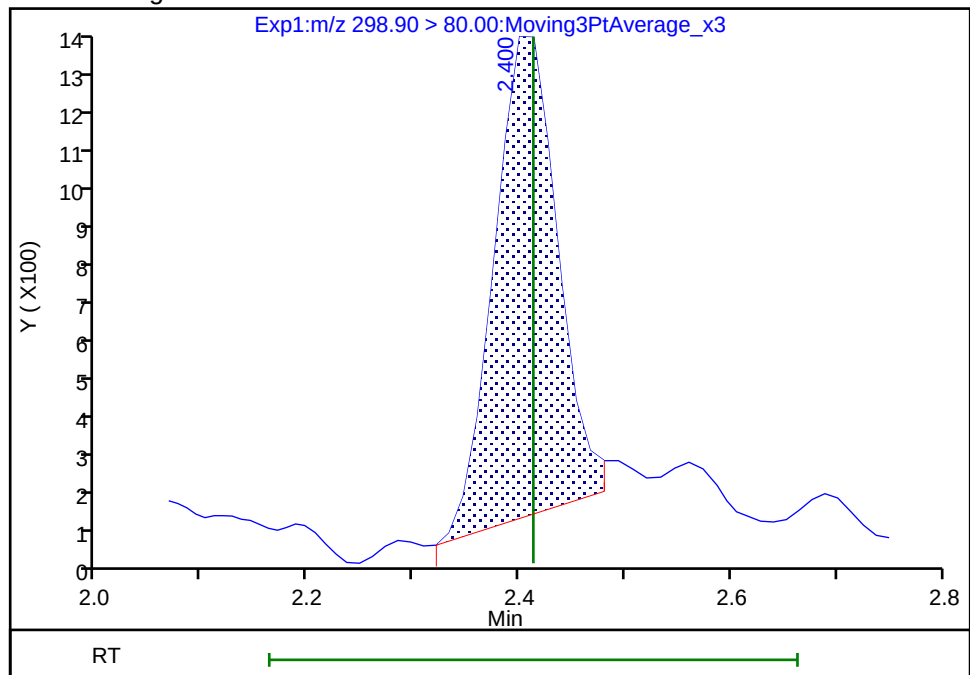
RT: 2.40
Area: 5005
Amount: 0.003226
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 5085
Amount: 0.003277
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:03:54
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1233 of 1695

08/18/2022

Eurofins Burlington

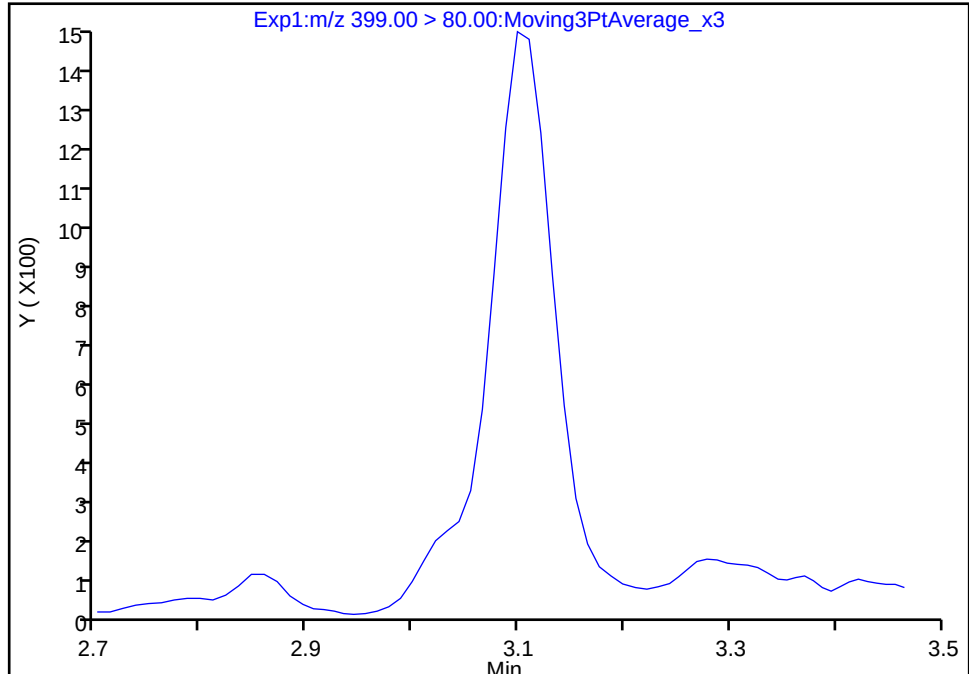
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B02.d
Injection Date: 11-Aug-2022 18:39:19 Instrument ID: LC812
Lims ID: MB 200-182554/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

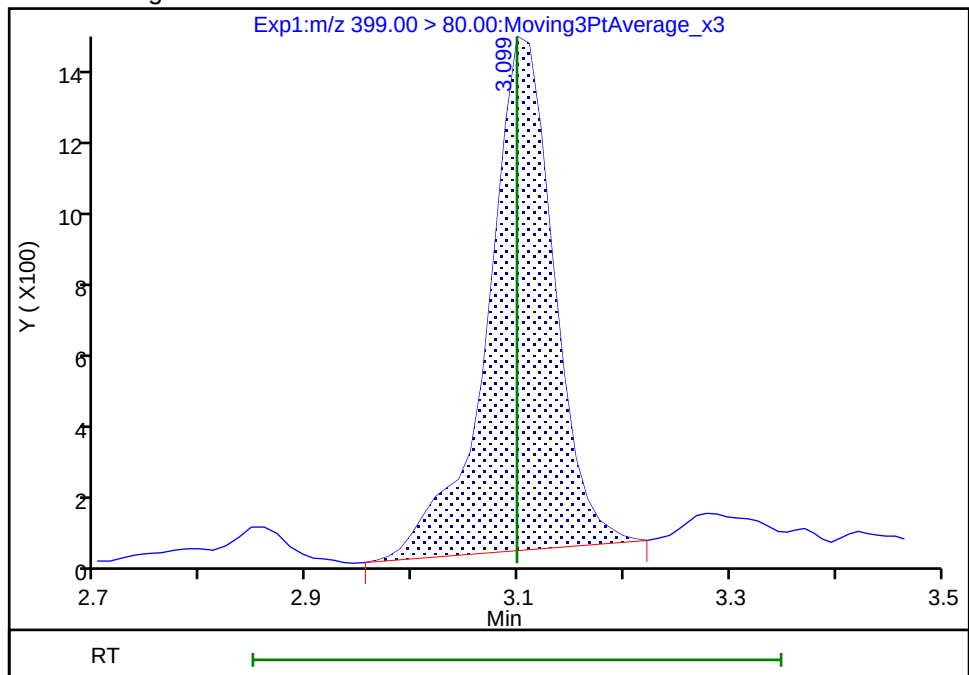
Not Detected
Expected RT: 3.10

Processing Integration Results



Manual Integration Results

RT: 3.10
Area: 6202
Amount: 0.005253
Amount Units: ng/ml



Reviewer: nampitakw, 12-Aug-2022 08:06:36

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

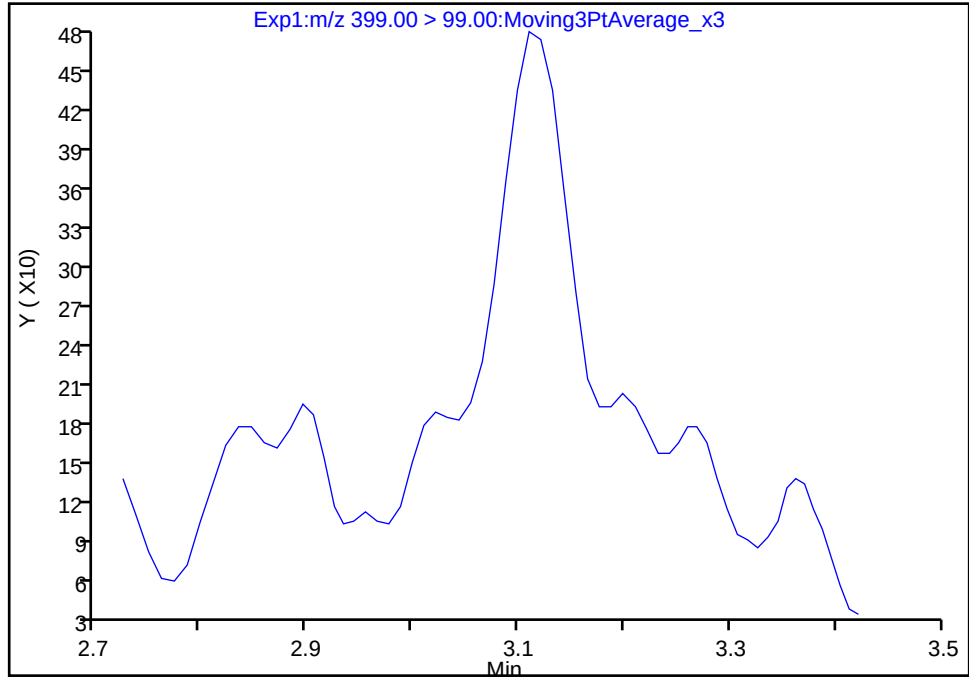
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B02.d
Injection Date: 11-Aug-2022 18:39:19 Instrument ID: LC812
Lims ID: MB 200-182554/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

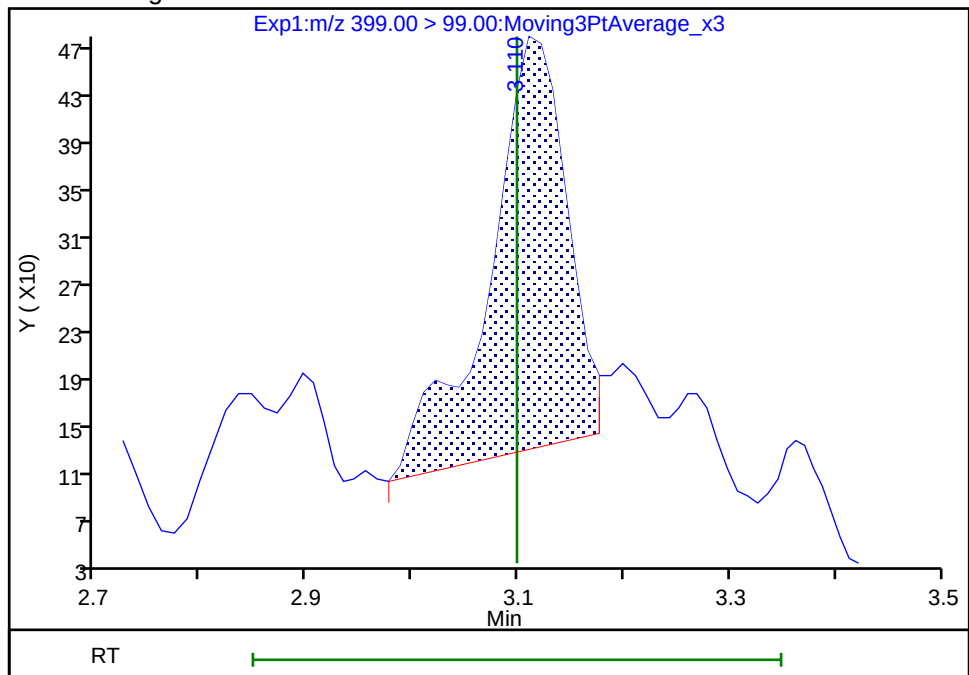
Not Detected
Expected RT: 3.10

Processing Integration Results



RT: 3.11
Area: 1744
Amount: 0.005253
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:08:16

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

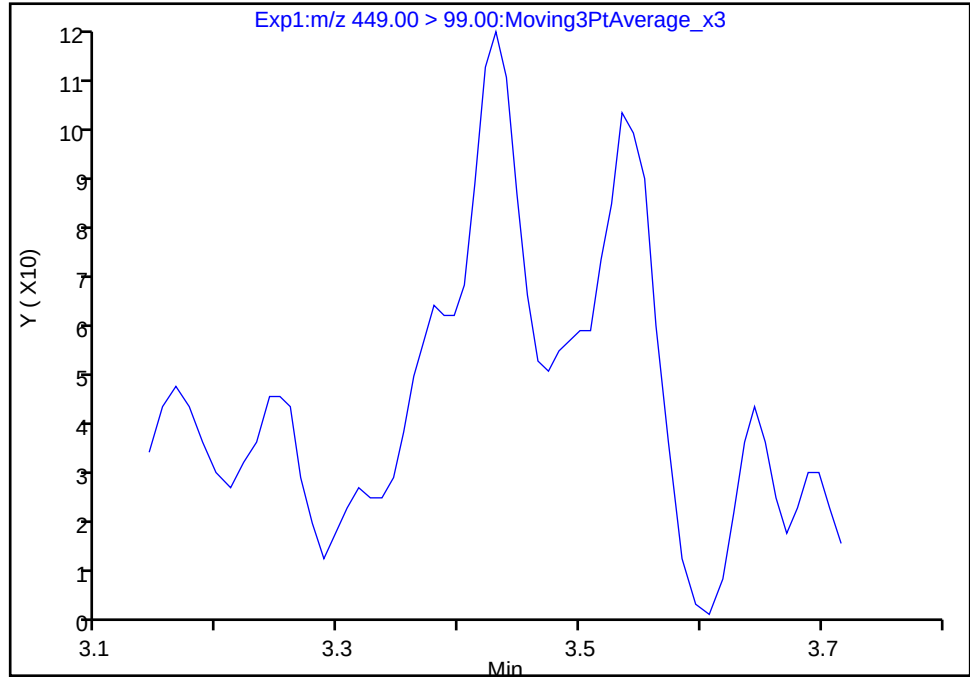
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B02.d
Injection Date: 11-Aug-2022 18:39:19 Instrument ID: LC812
Lims ID: MB 200-182554/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

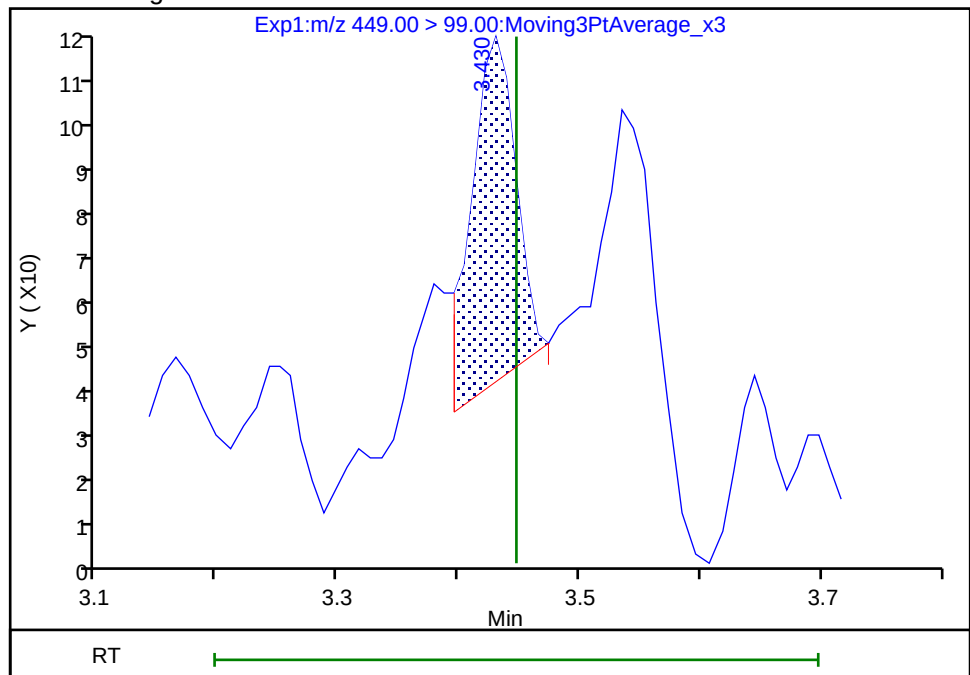
Not Detected
Expected RT: 3.45

Processing Integration Results



Manual Integration Results

RT: 3.43
Area: 189
Amount: 0.001988
Amount Units: ng/ml



Reviewer: nampitakw, 12-Aug-2022 08:10:17

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

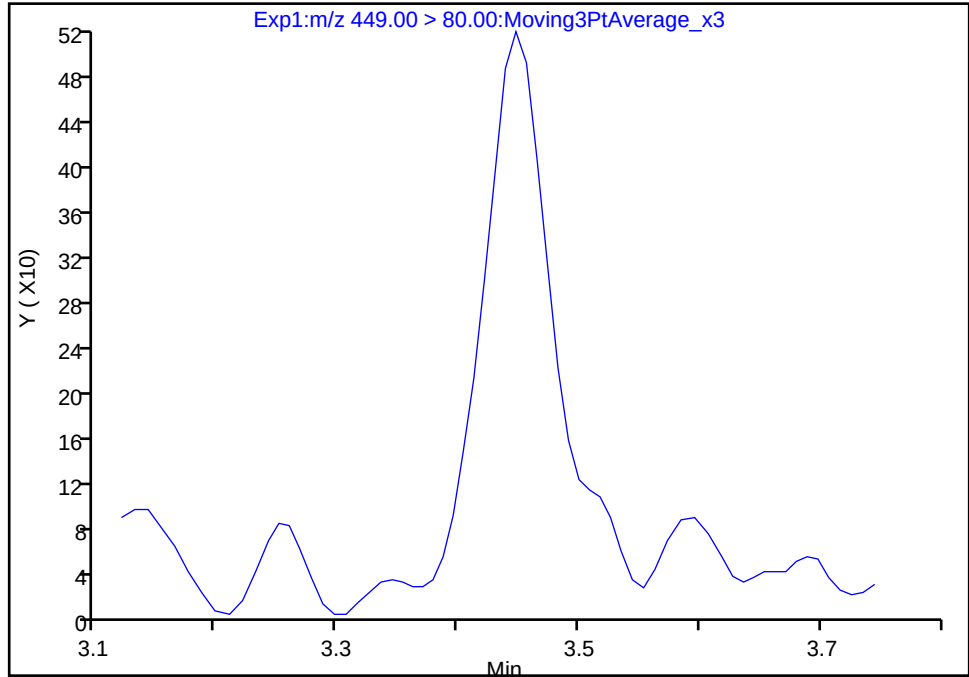
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B02.d
Injection Date: 11-Aug-2022 18:39:19 Instrument ID: LC812
Lims ID: MB 200-182554/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

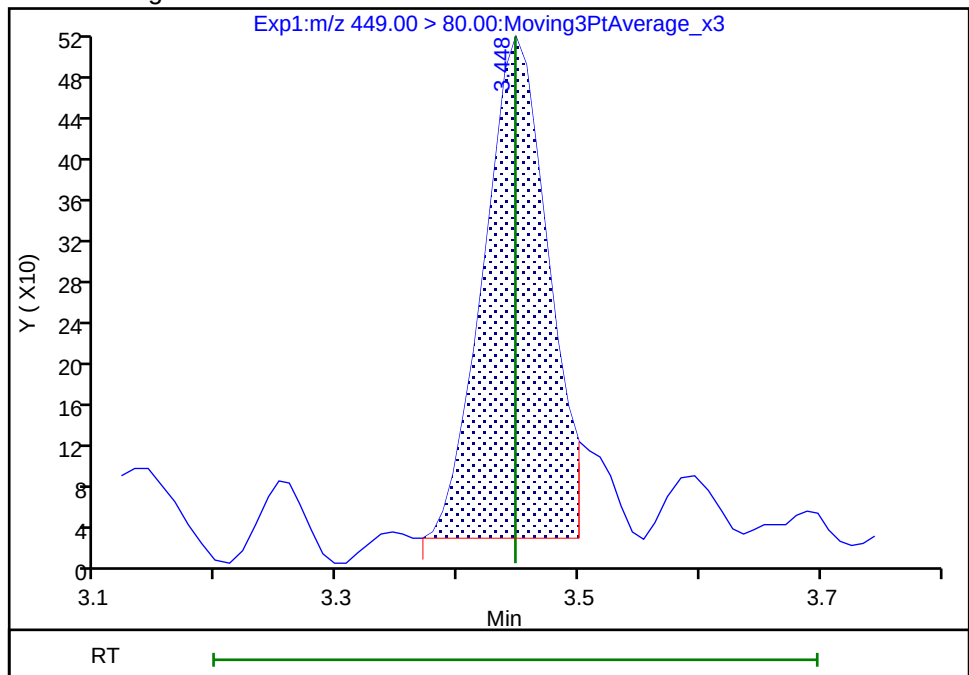
Not Detected
Expected RT: 3.45

Processing Integration Results



Manual Integration Results

RT: 3.45
Area: 1783
Amount: 0.001988
Amount Units: ng/ml



Reviewer: nampitakw, 12-Aug-2022 08:10:19

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B02.d

Injection Date: 11-Aug-2022 18:39:19

Instrument ID: LC812

Lims ID: MB 200-182554/1-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

2

Worklist Smp#: 2

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

EXP1

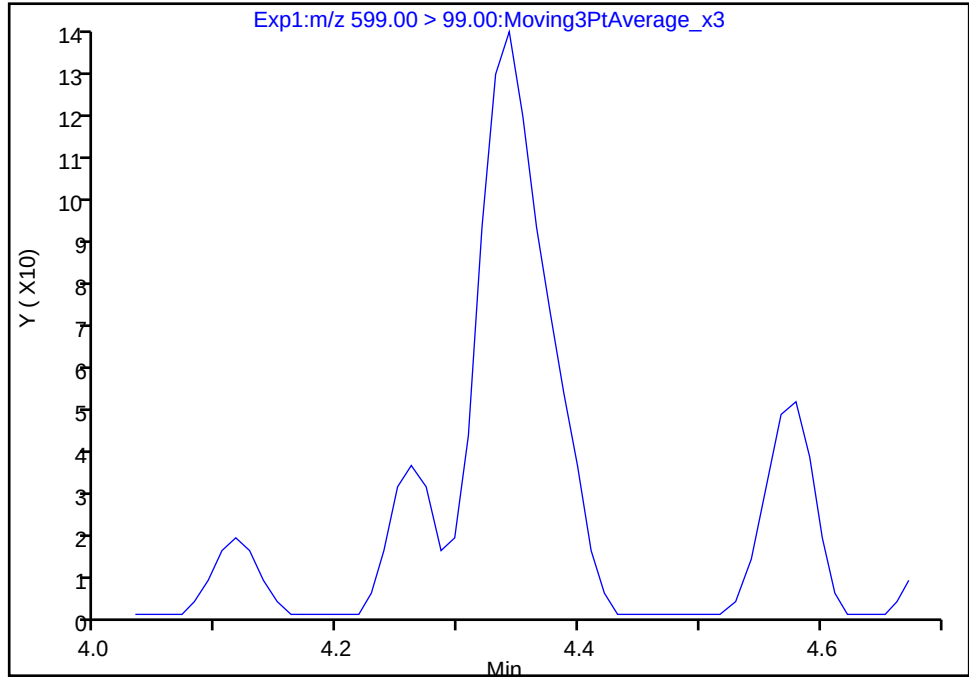
29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

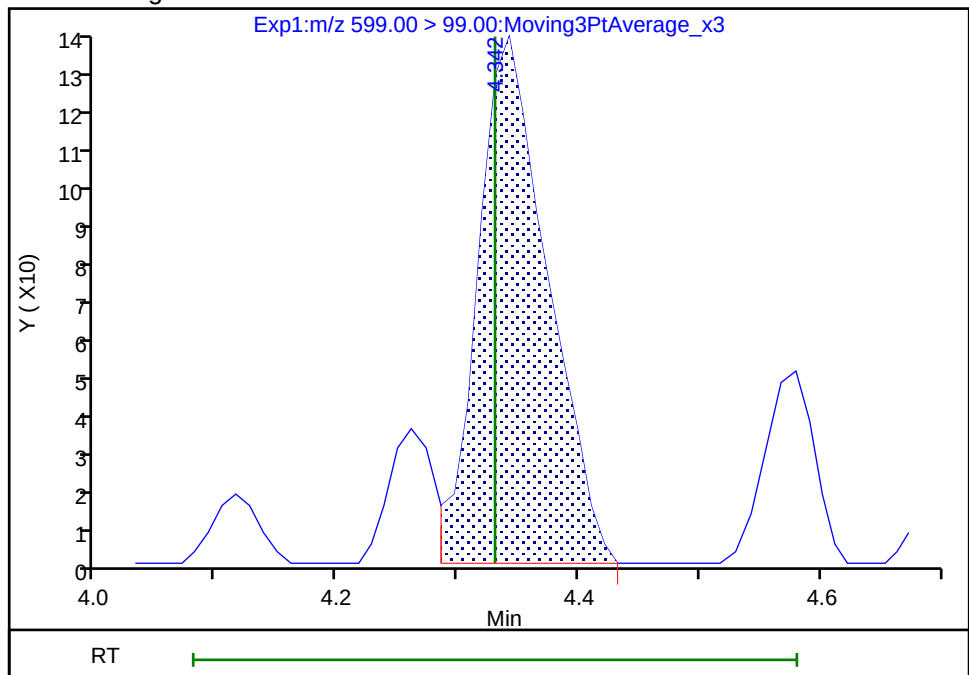
Not Detected

Expected RT: 4.33

Processing Integration Results



Manual Integration Results



RT: 4.34

Area: 548

Amount: 0.001673

Amount Units: ng/ml

Reviewer: nampitakw, 12-Aug-2022 08:13:25

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

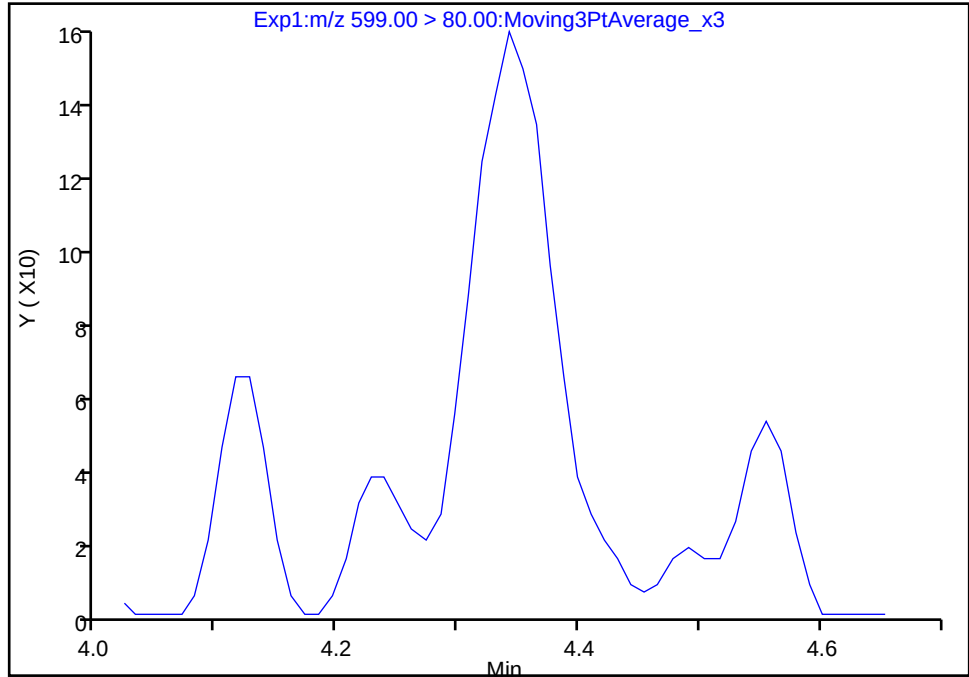
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B02.d
Injection Date: 11-Aug-2022 18:39:19 Instrument ID: LC812
Lims ID: MB 200-182554/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

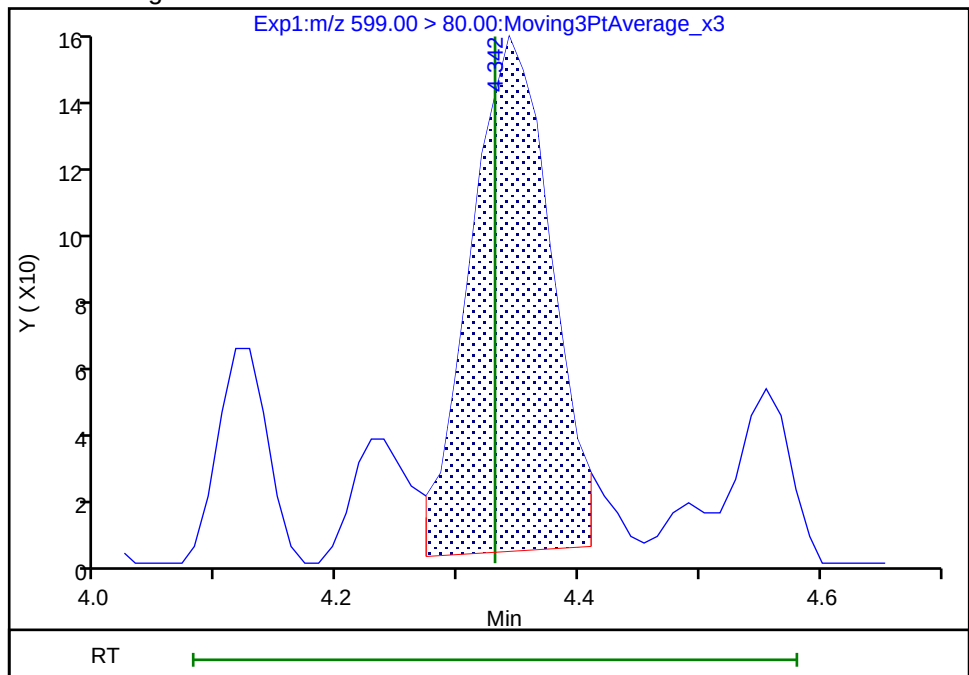
Not Detected
Expected RT: 4.33

Processing Integration Results



Manual Integration Results

RT: 4.34
Area: 707
Amount: 0.001673
Amount Units: ng/ml



Reviewer: nampitakw, 12-Aug-2022 08:13:27

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

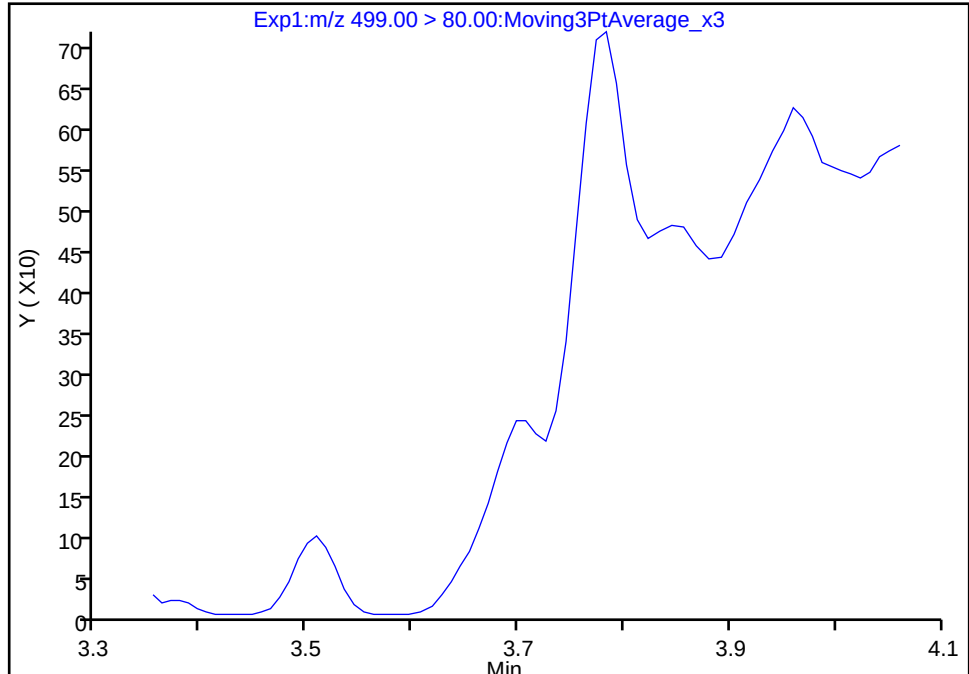
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B02.d
Injection Date: 11-Aug-2022 18:39:19 Instrument ID: LC812
Lims ID: MB 200-182554/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

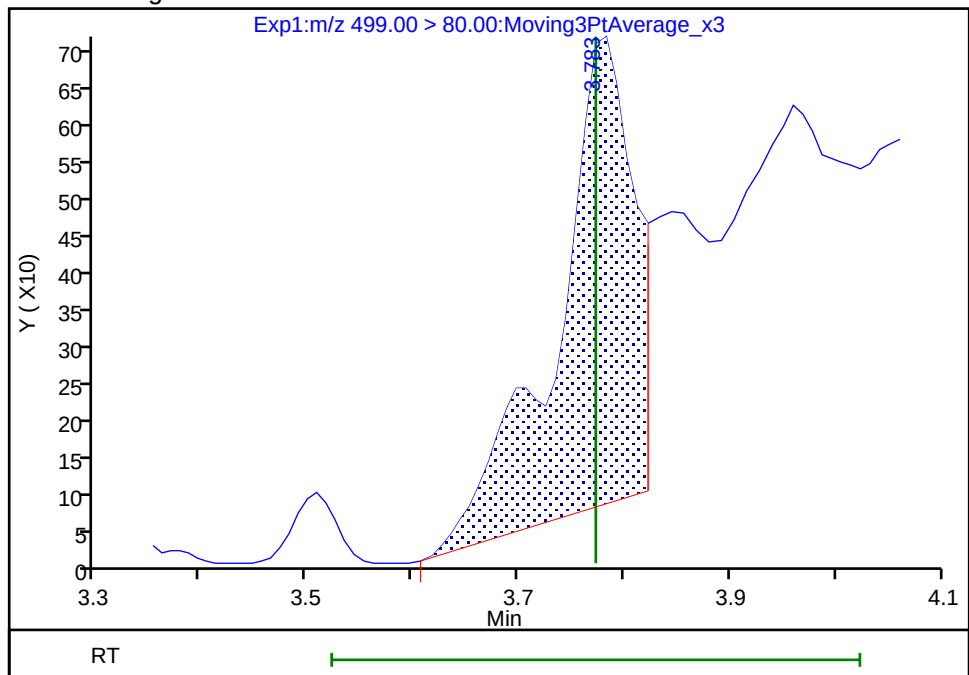
Signal: 1

Not Detected
Expected RT: 3.77

Processing Integration Results



Manual Integration Results



RT: 3.78
Area: 3193
Amount: -0.014049
Amount Units: ng/ml

Reviewer: nampitakw, 12-Aug-2022 08:11:27
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1240 of 1695

08/18/2022

Eurofins Burlington

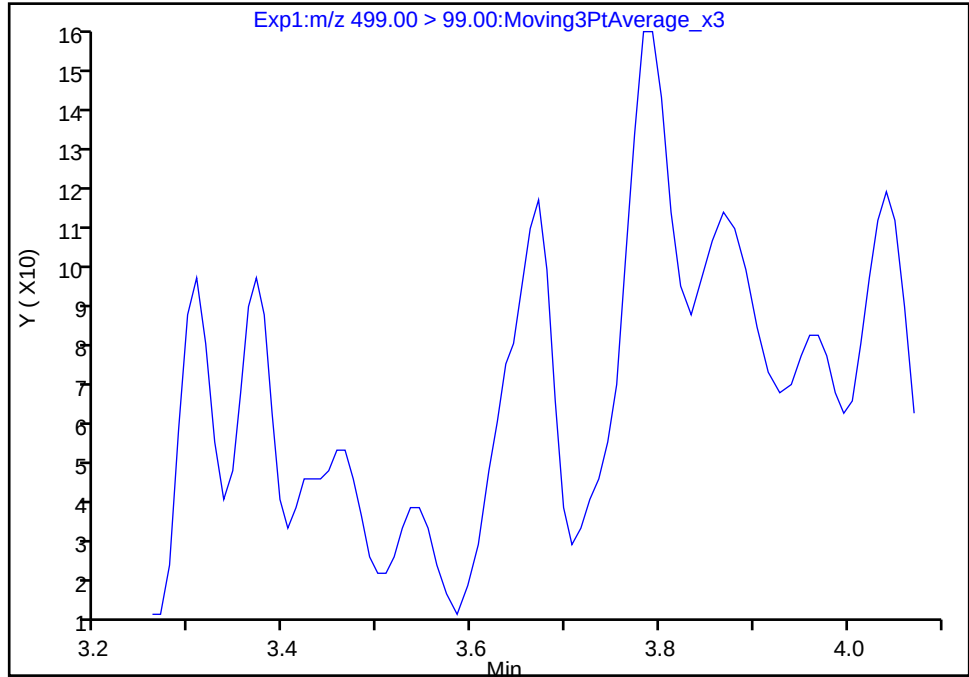
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B02.d
Injection Date: 11-Aug-2022 18:39:19 Instrument ID: LC812
Lims ID: MB 200-182554/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

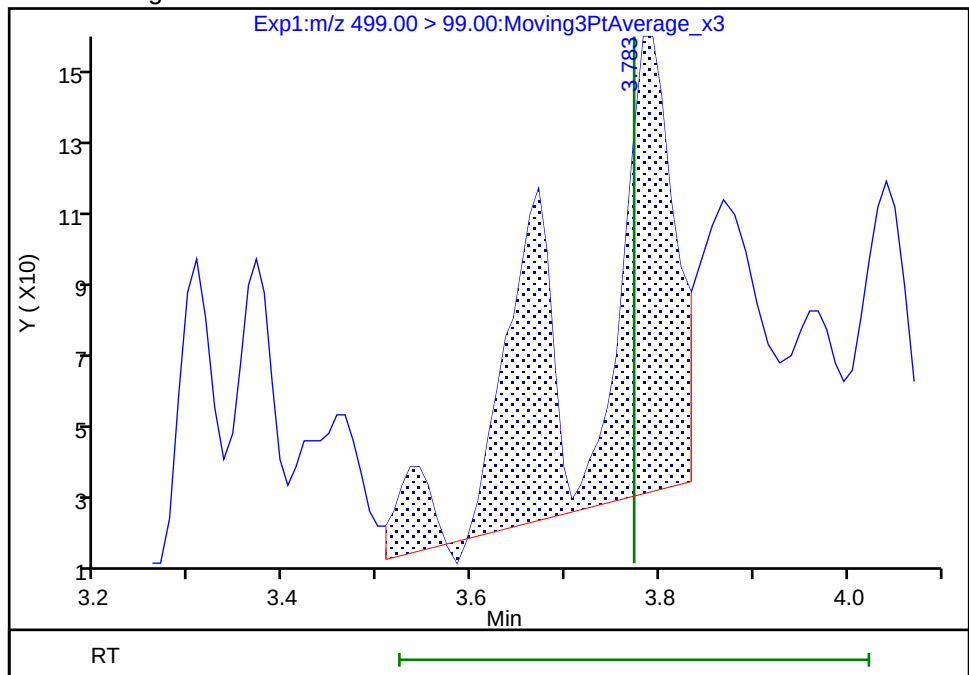
Not Detected
Expected RT: 3.77

Processing Integration Results



Manual Integration Results

RT: 3.78
Area: 810
Amount: -0.014049
Amount Units: ng/ml



Reviewer: nampitakw, 12-Aug-2022 08:11:41

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

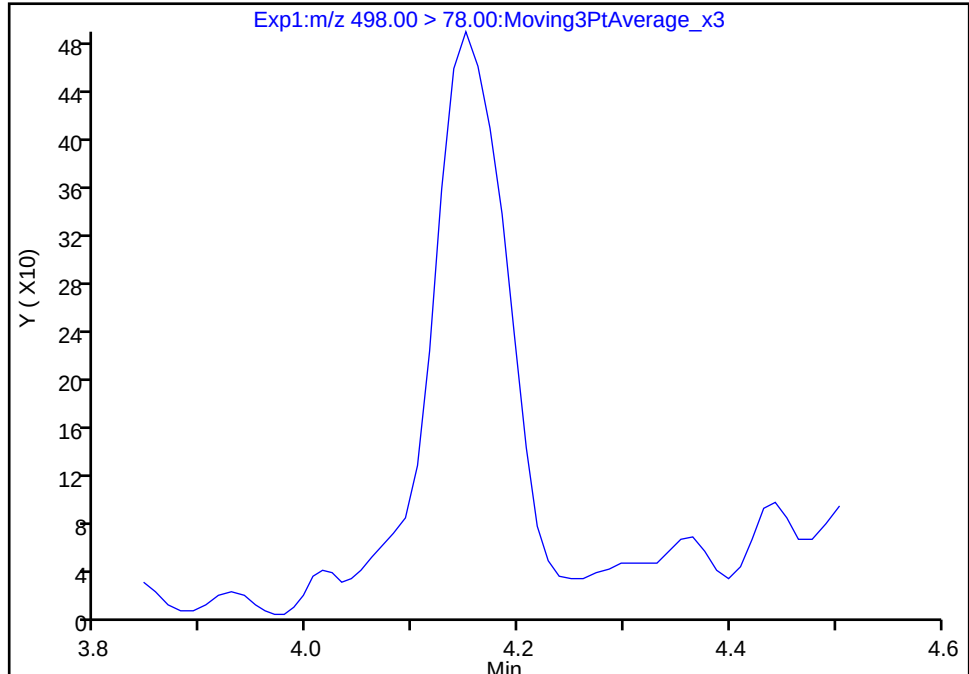
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B02.d
Injection Date: 11-Aug-2022 18:39:19 Instrument ID: LC812
Lims ID: MB 200-182554/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

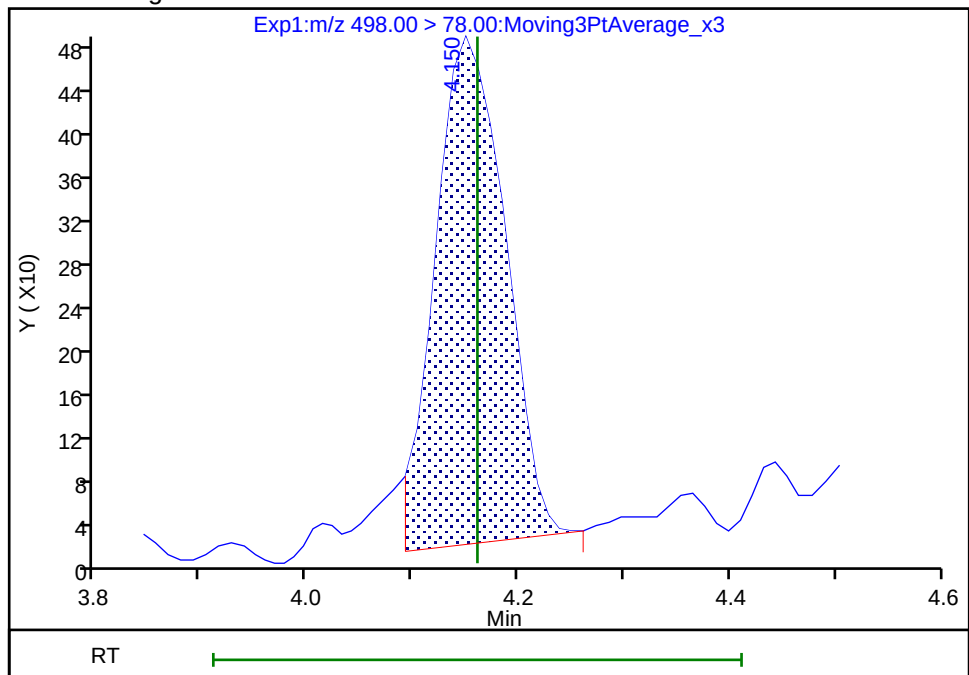
Not Detected
Expected RT: 4.16

Processing Integration Results



Manual Integration Results

RT: 4.15
Area: 2158
Amount: 0.002158
Amount Units: ng/ml



Reviewer: nampitakw, 12-Aug-2022 08:12:52

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B02.d

Injection Date: 11-Aug-2022 18:39:19

Instrument ID: LC812

Lims ID: MB 200-182554/1-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)

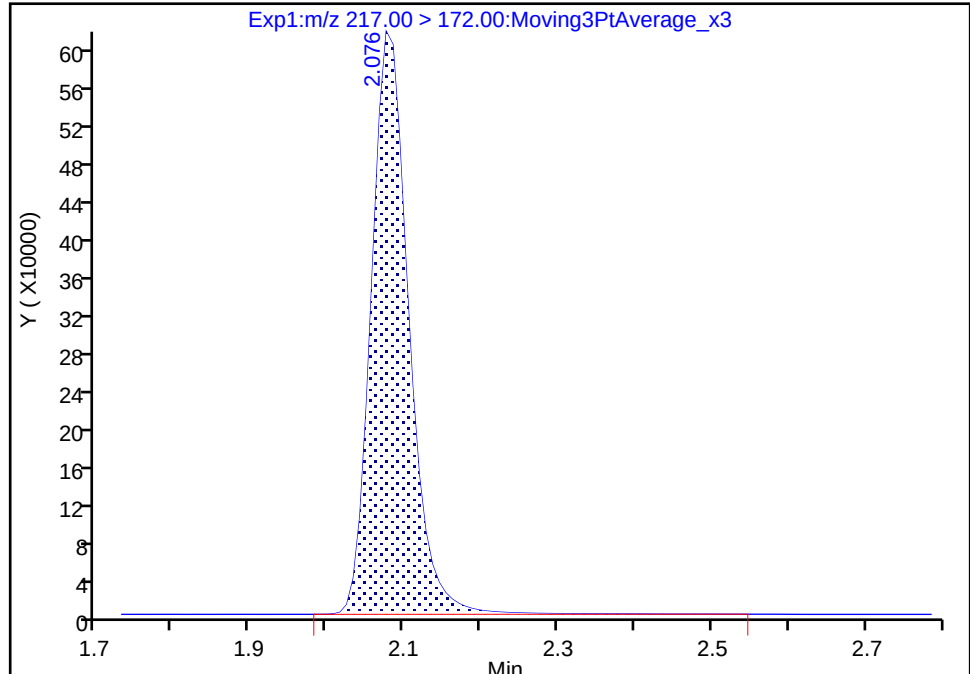
Detector: EXP1

D 1 13C4 PFBA, CAS: STL00992

Signal: 1

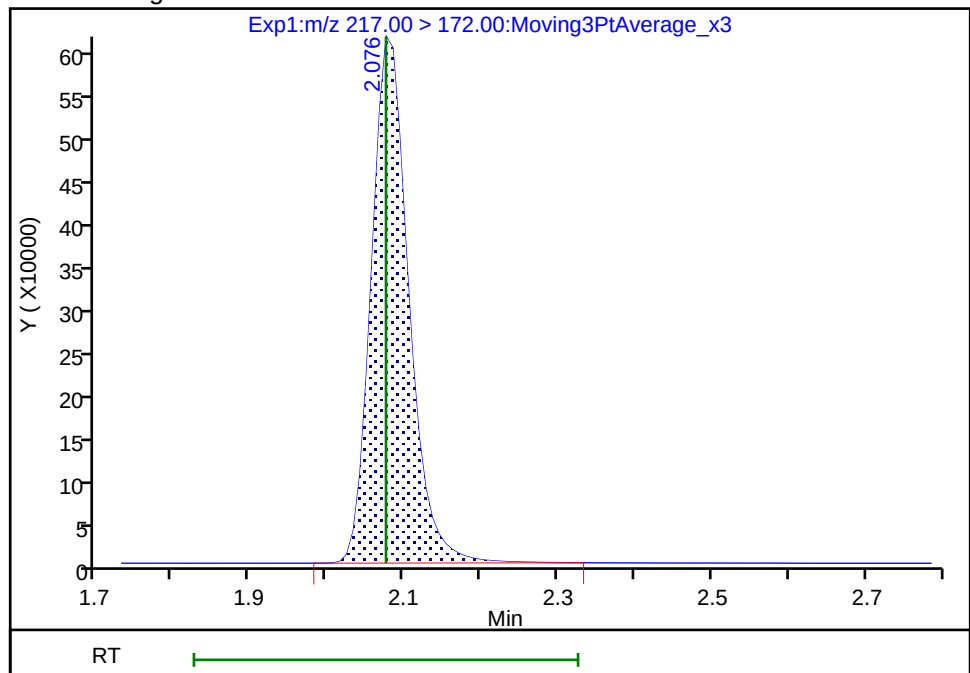
RT: 2.08
Area: 2067769
Amount: 1.113713
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 2061000
Amount: 1.110067
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 09:36:48

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B02.d

Injection Date: 11-Aug-2022 18:39:19

Instrument ID: LC812

Lims ID: MB 200-182554/1-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)

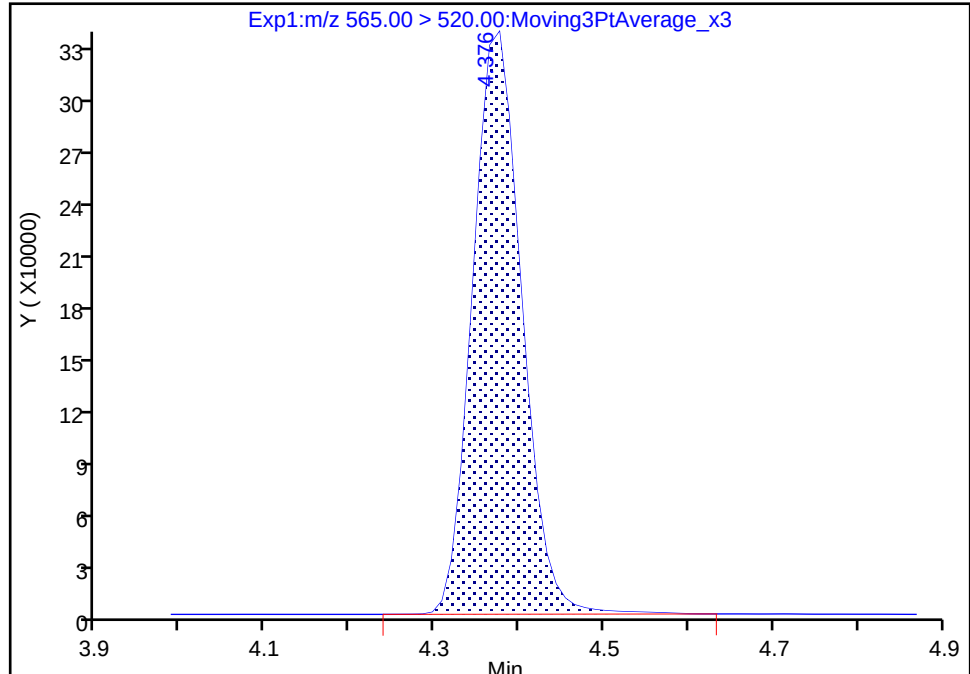
Detector: EXP1

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

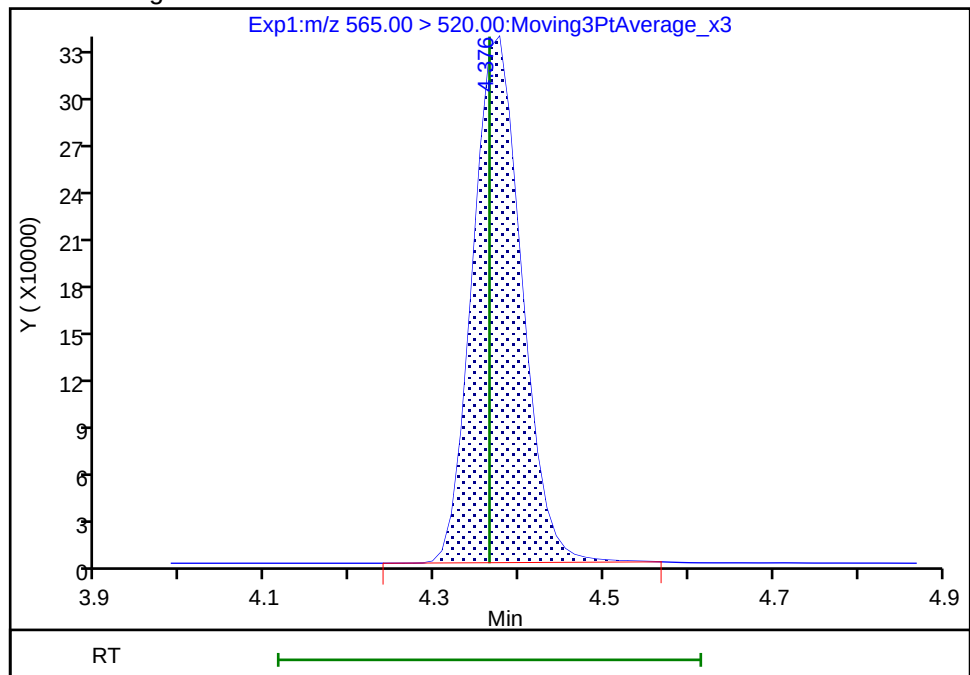
RT: 4.38
Area: 1365520
Amount: 1.177076
Amount Units: ng/ml

Processing Integration Results



RT: 4.38
Area: 1357820
Amount: 1.170439
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 09:40:29

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B02.d

Injection Date: 11-Aug-2022 18:39:19

Instrument ID: LC812

Lims ID: MB 200-182554/1-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)

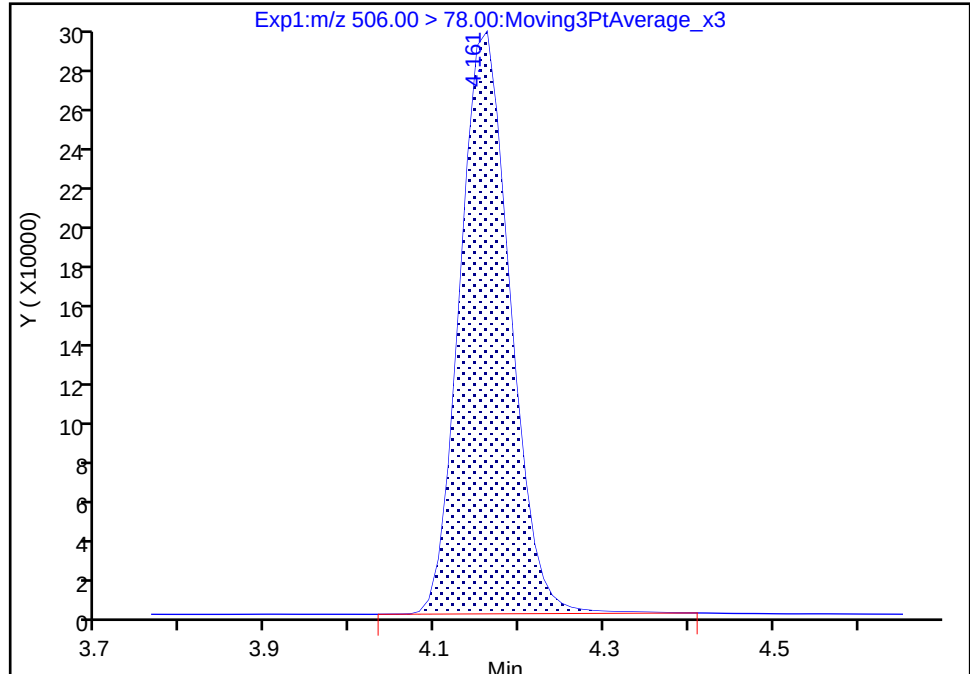
Detector: EXP1

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

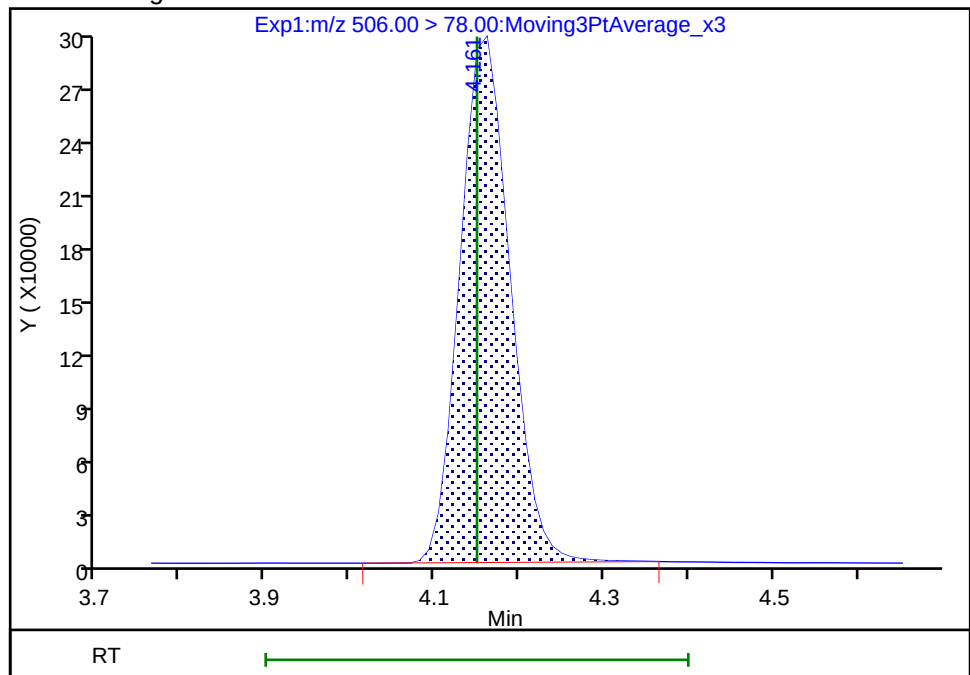
RT: 4.16
Area: 1230825
Amount: 0.918475
Amount Units: ng/ml

Processing Integration Results



RT: 4.16
Area: 1226842
Amount: 0.915503
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 09:40:22

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

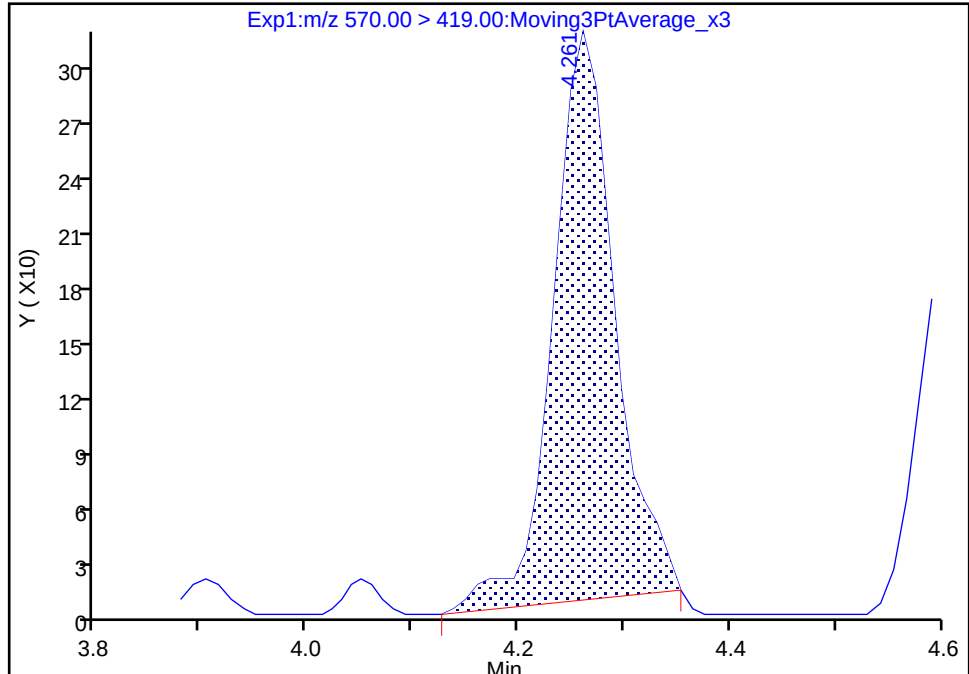
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B02.d
Injection Date: 11-Aug-2022 18:39:19 Instrument ID: LC812
Lims ID: MB 200-182554/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

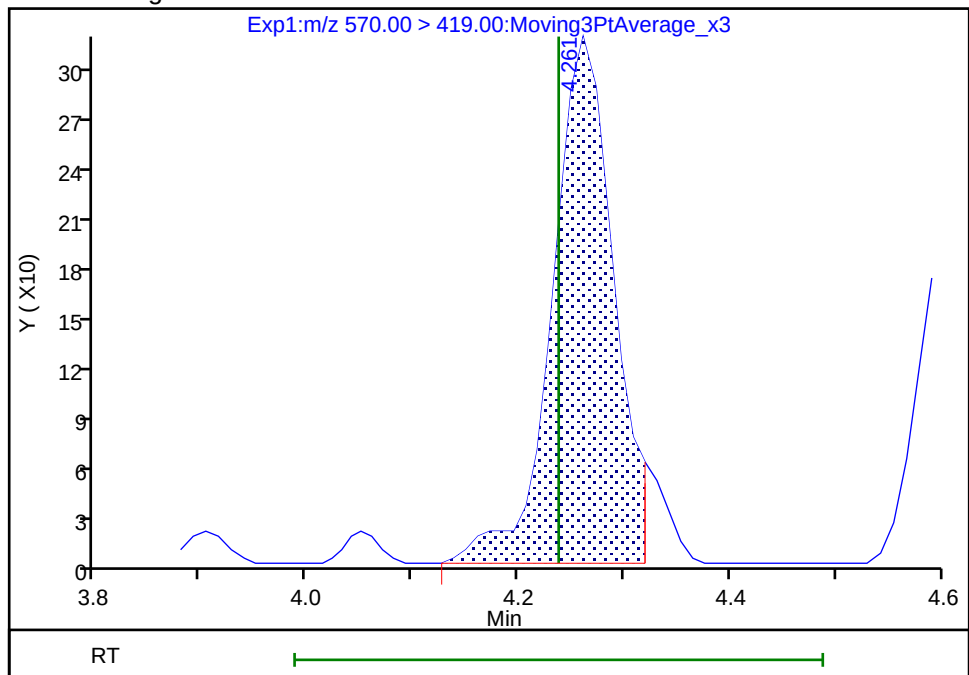
RT: 4.26
Area: 1242
Amount: 0.007833
Amount Units: ng/ml

Processing Integration Results



RT: 4.26
Area: 1251
Amount: 0.007889
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:13:08
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B02.d

Injection Date: 11-Aug-2022 18:39:19

Instrument ID: LC812

Lims ID: MB 200-182554/1-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

2

Worklist Smp#: 2

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

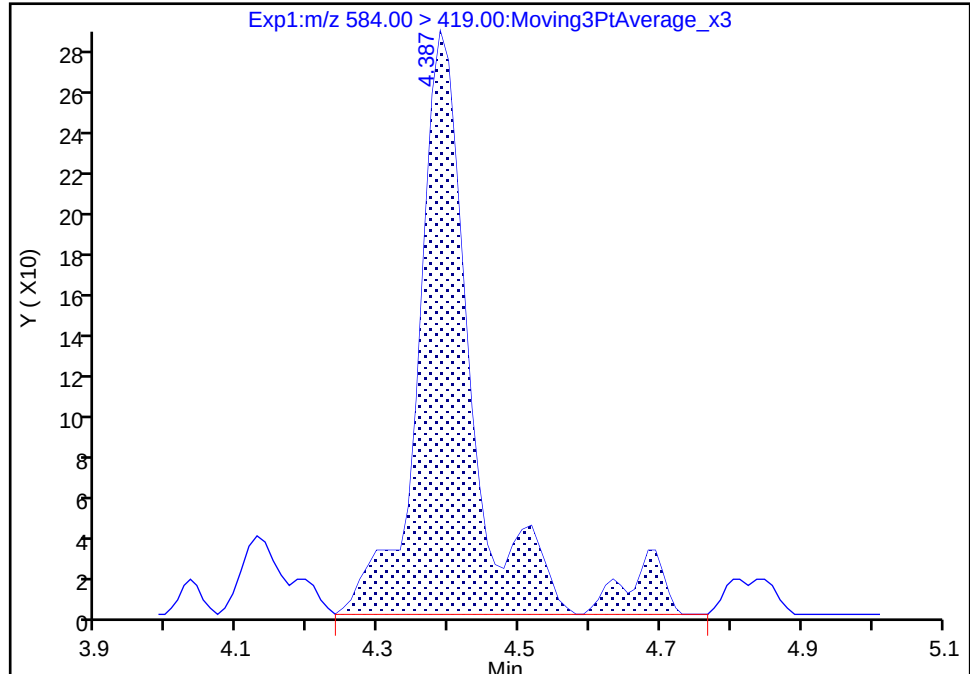
Detector: EXP1

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

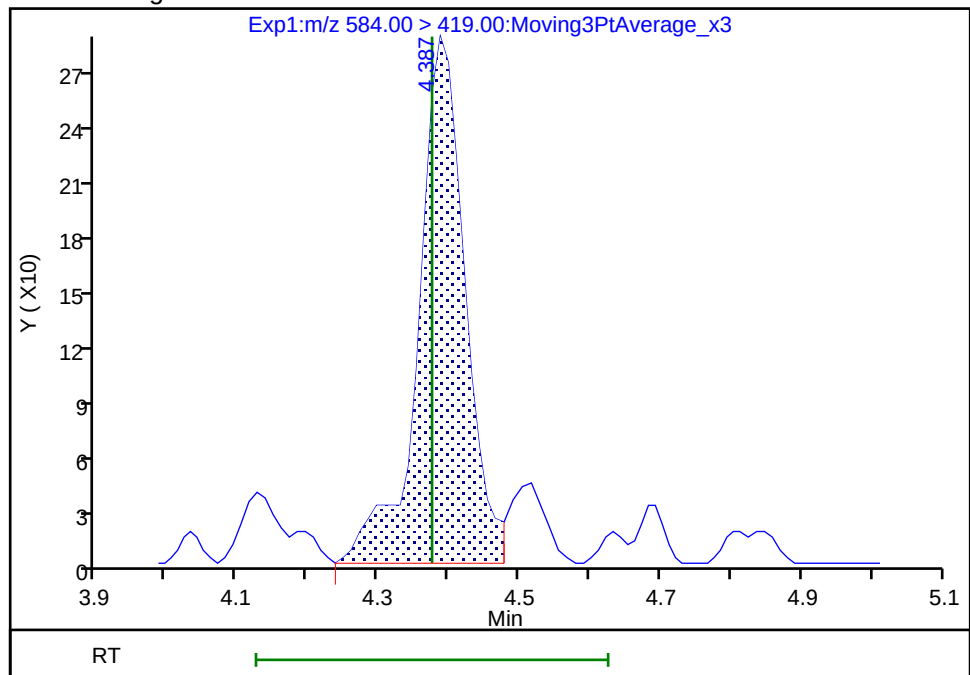
RT: 4.39
Area: 1559
Amount: 0.009953
Amount Units: ng/ml

Processing Integration Results



RT: 4.39
Area: 1297
Amount: 0.008280
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:13:58

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

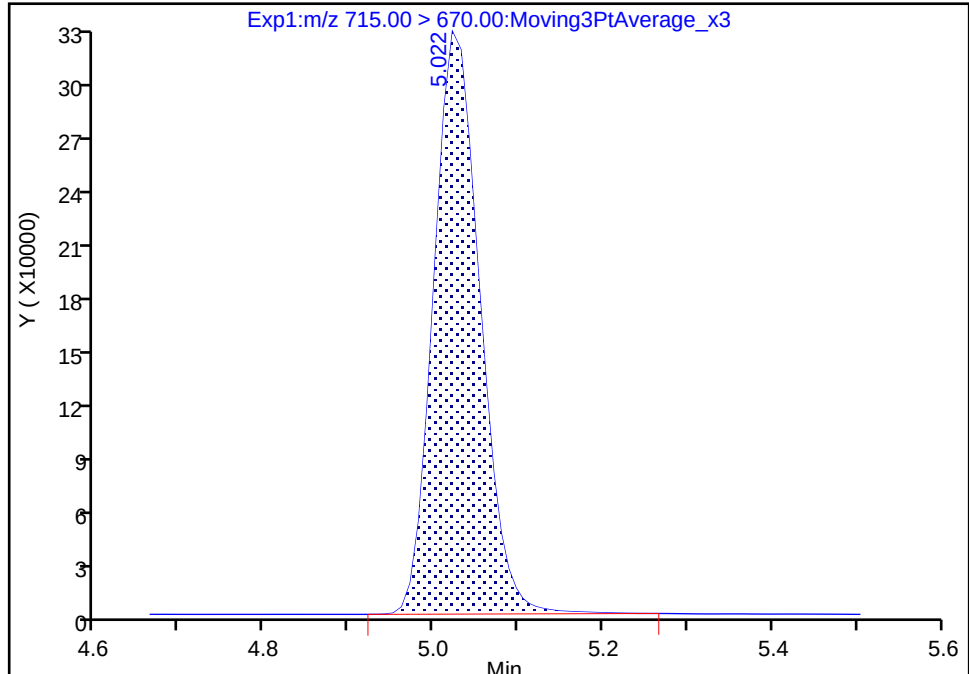
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B02.d
Injection Date: 11-Aug-2022 18:39:19 Instrument ID: LC812
Lims ID: MB 200-182554/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

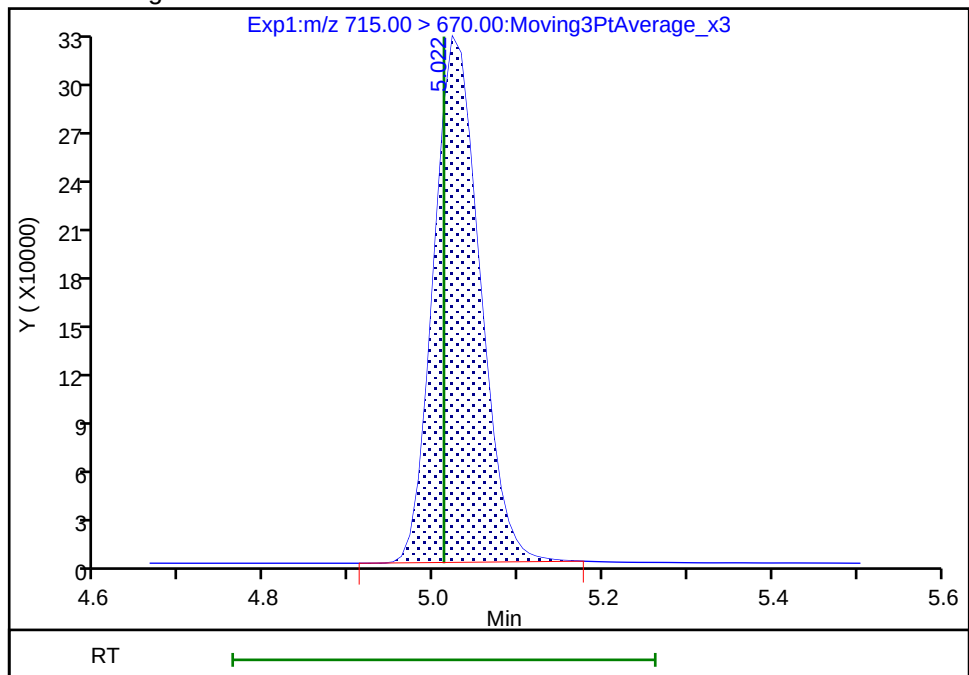
RT: 5.02
Area: 1227398
Amount: 1.248988
Amount Units: ng/ml

Processing Integration Results



RT: 5.02
Area: 1218618
Amount: 1.240054
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 09:40:42
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B02.d

Injection Date: 11-Aug-2022 18:39:19

Instrument ID: LC812

Lims ID: MB 200-182554/1-A

Client ID:

Operator ID: lc812tech

ALS Bottle#: 2 Worklist Smp#: 2

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

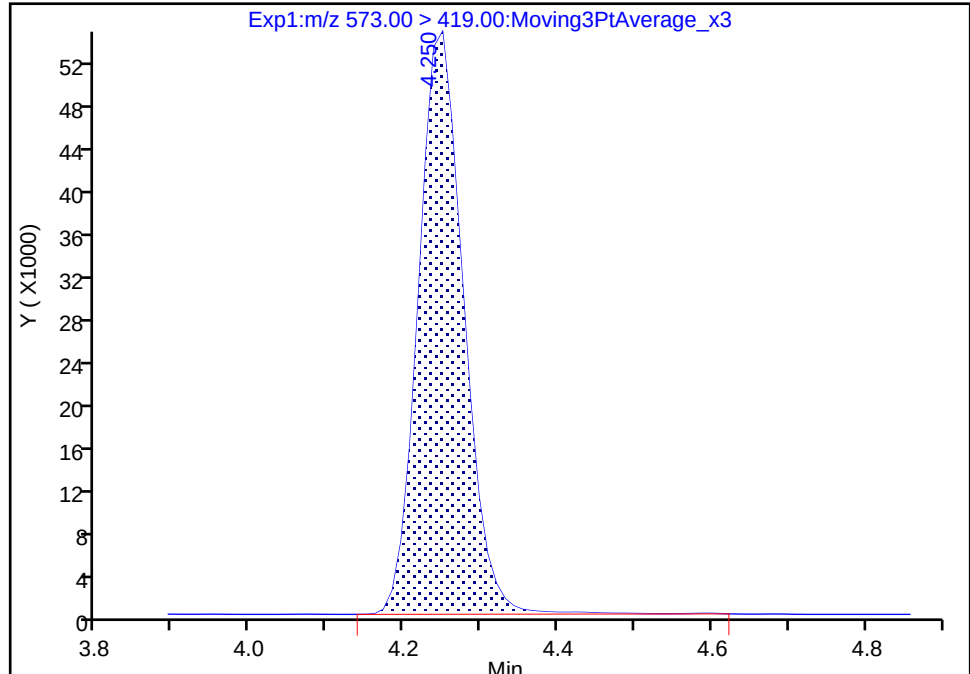
Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

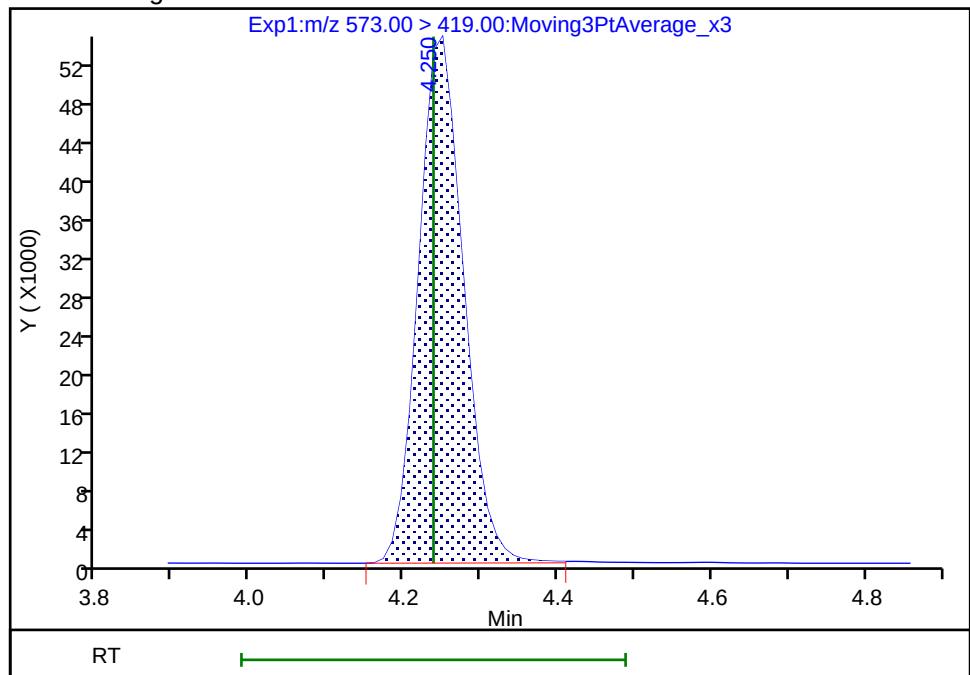
RT: 4.25
Area: 224115
Amount: 1.092080
Amount Units: ng/ml

Processing Integration Results



RT: 4.25
Area: 223178
Amount: 1.087514
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:02:30

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B02.d

Injection Date: 11-Aug-2022 18:39:19

Instrument ID: LC812

Lims ID: MB 200-182554/1-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)

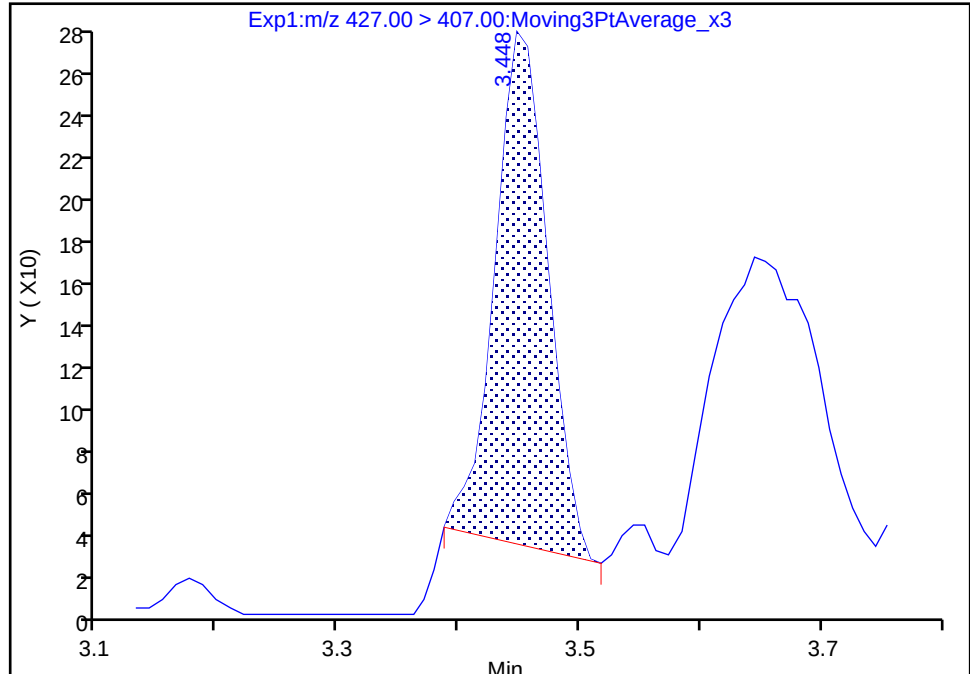
Detector: EXP1

13 1H,1H,2H,2H-perfluorooctanesulfo, CAS: 27619-97-2

Signal: 1

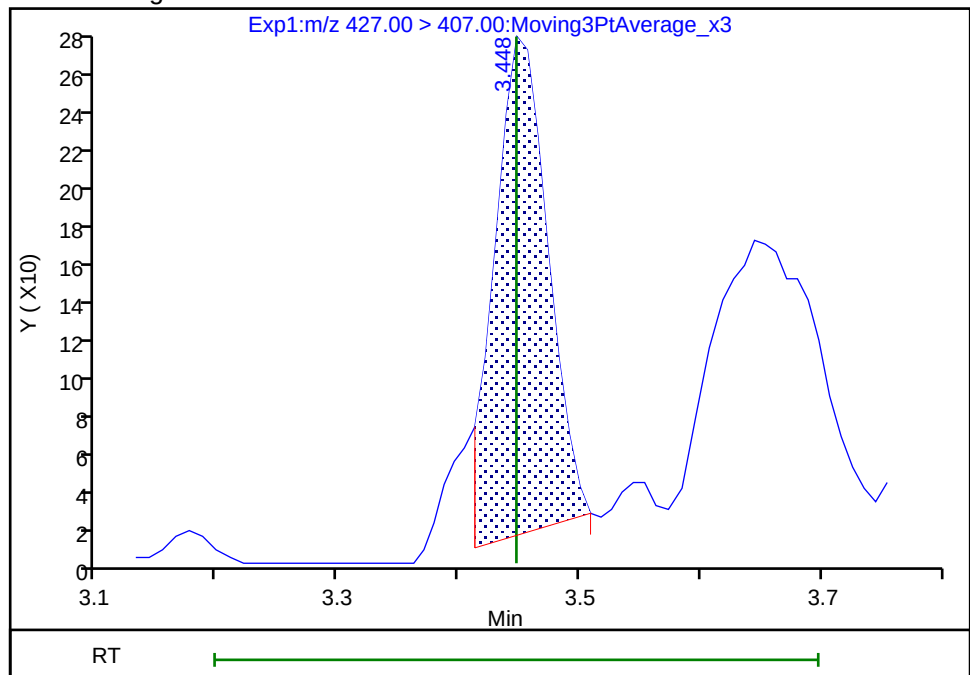
RT: 3.45
Area: 731
Amount: -0.013957
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 788
Amount: -0.013735
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:09:31

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B02.d

Injection Date: 11-Aug-2022 18:39:19

Instrument ID: LC812

Lims ID: MB 200-182554/1-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

2

Worklist Smp#: 2

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector: EXP1

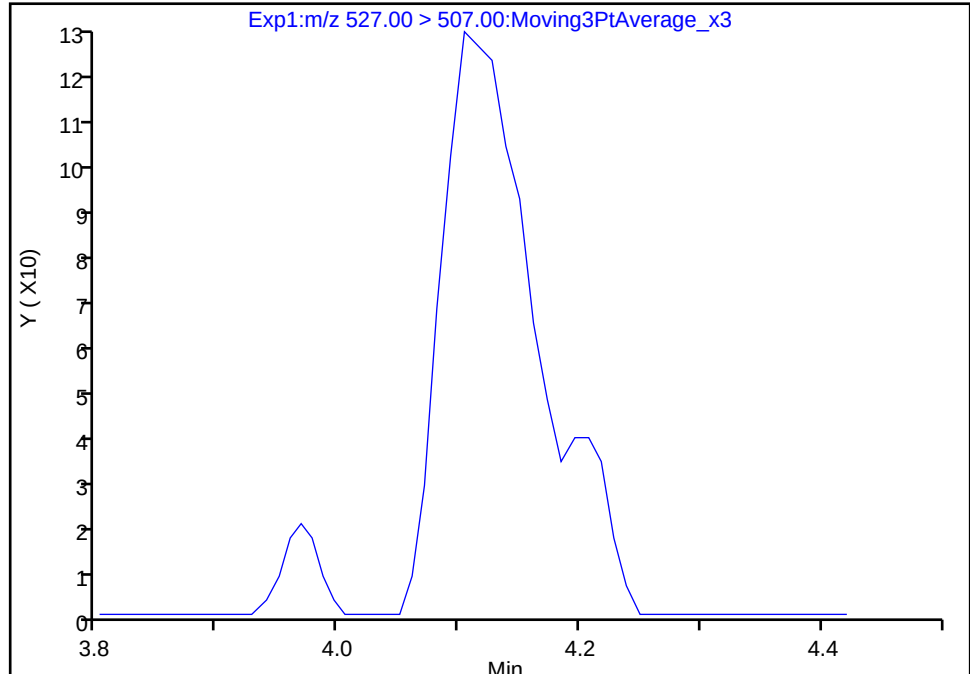
25 1H,1H,2H,2H-perfluorodecanesulfo, CAS: 39108-34-4

Signal: 1

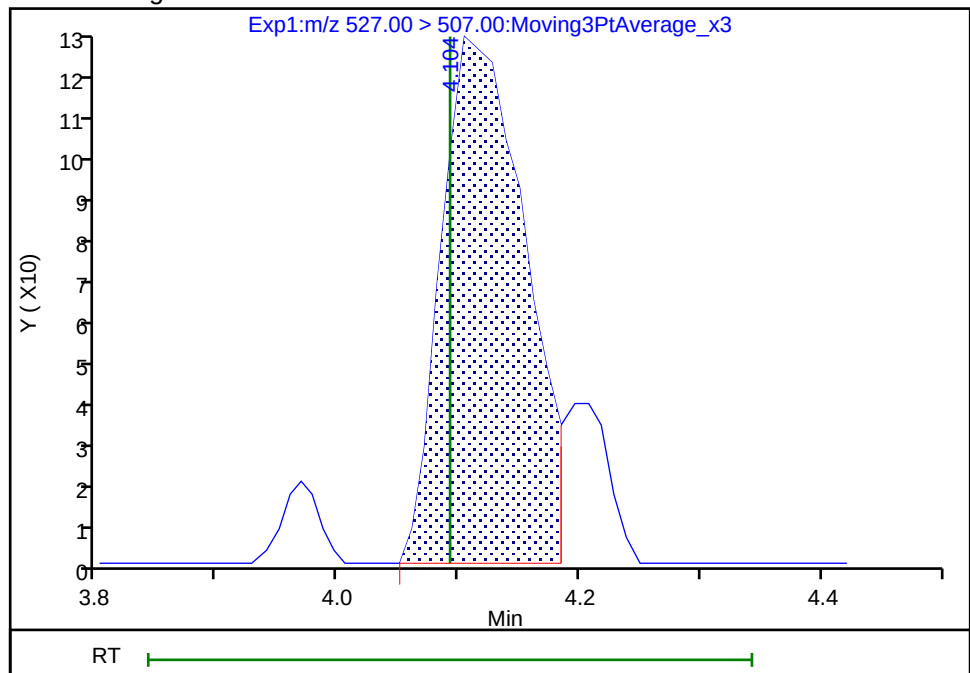
Not Detected

Expected RT: 4.09

Processing Integration Results



Manual Integration Results



RT: 4.10

Area: 584

Amount: 0.002721

Amount Units: ng/ml

Reviewer: nampitakw, 12-Aug-2022 08:12:42

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B02.d

Injection Date: 11-Aug-2022 18:39:19

Instrument ID: LC812

Lims ID: MB 200-182554/1-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)

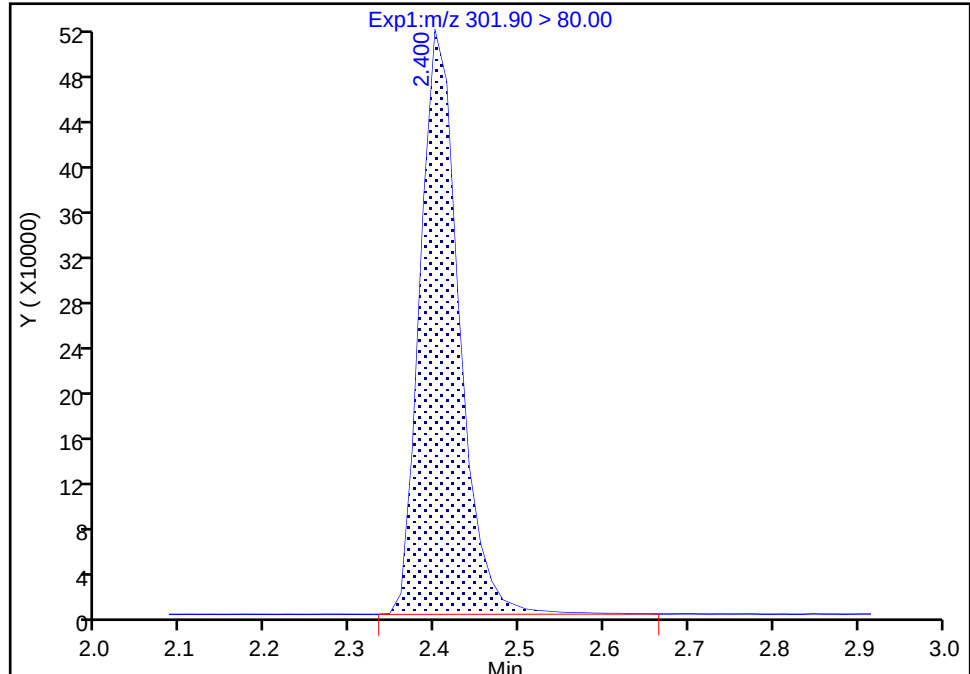
Detector: EXP1

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

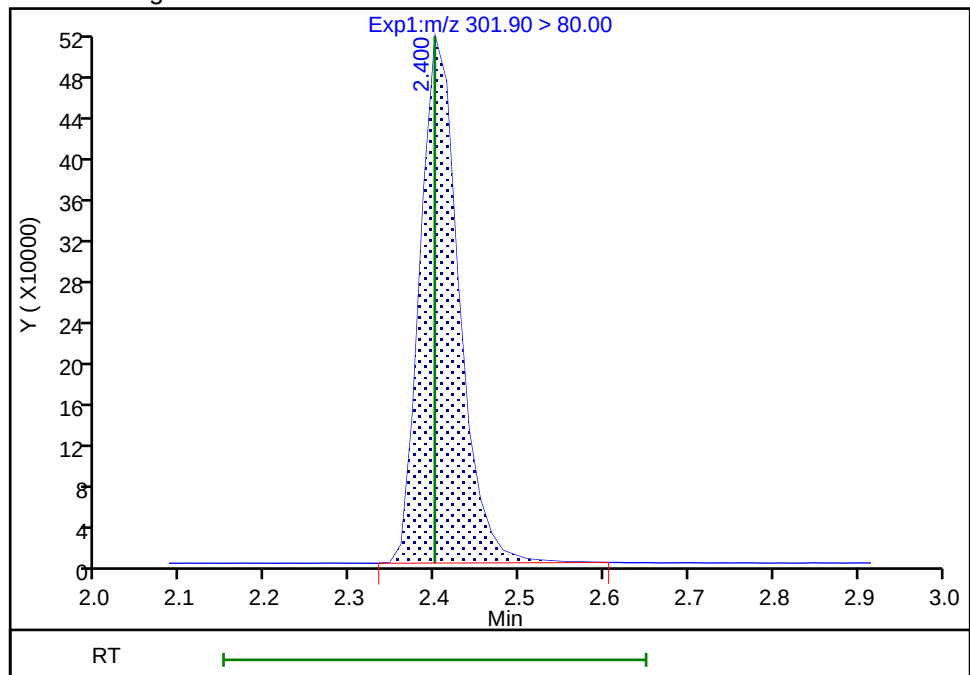
RT: 2.40
Area: 1639166
Amount: 0.991991
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 1634036
Amount: 0.988886
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:02:10

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-263208-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: CCB 200-182508/4

Matrix: Water Lab File ID: PA220809A04.d

Analysis Method: 537 (modified) Date Collected: _____

Extraction Method: _____ Date Extracted: _____

Sample wt/vol: 1 (mL) Date Analyzed: 08/09/2022 16:15

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.: 182508 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.: 460-263208-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: CCB 200-182508/4
 Matrix: Water Lab File ID: PA220809A04.d
 Analysis Method: 537 (modified) Date Collected: _____
 Extraction Method: _____ Date Extracted: _____
 Sample wt/vol: 1 (mL) Date Analyzed: 08/09/2022 16:15
 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.: 182508 Units: ng/mL

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL01892	13C4 PFHpA	99		50-150
STL00990	13C4 PFOA	97		50-150
STL00995	13C5 PFNA	98		50-150
STL00992	13C4 PFBA	94		50-150
STL00993	13C2 PFHxA	99		50-150
STL00996	13C2 PFDA	95		50-150
STL00997	13C2 PFUnA	107		50-150
STL00994	18O2 PFHxS	103		50-150
STL00998	13C2 PFDoA	113		50-150
STL00991	13C4 PFOS	99		50-150
STL01056	13C8 FOSA	97		50-150
STL01893	13C5 PFPeA	97		50-150
STL02116	13C2 PFTeDA	121		50-150
STL02118	d3-NMeFOSAA	91		50-150
STL02117	d5-NEtFOSAA	93		50-150
STL02279	M2-6:2 FTS	96		50-150
STL02337	13C3 PFBS	98		50-150
STL02280	M2-8:2 FTS	100		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A04.d
 Lims ID: CCB
 Client ID:
 Sample Type: CCB
 Inject. Date: 09-Aug-2022 16:15:45 ALS Bottle#: 1 Worklist Smp#: 4
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: CCB
 Misc. Info.: 200-0052011-004 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 10-Aug-2022 09:53:13 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: CTX1674

First Level Reviewer: khanphomeea

Date: 10-Aug-2022 08:59:22

Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.085	2.085	0.0	0.602	2185345	1.18		94.4	10371	
D 3 13C5 PFPeA										
267.90 > 223.00	2.386	2.386	0.0	0.689	1733234	1.22		97.4	3953	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.346	2.386	-0.040	0.983	4415	0.003089		0.2		M
D 47 13C3 PFBS										
301.90 > 80.00	2.413	2.400	0.013	0.697	1885082	1.14		98.4	297196	
5 Perfluorobutanesulfonic acid										RM
298.90 > 80.00	2.413	2.413	0.0	1.000	1019	0.000569	Target=2.23	0.6		RM
298.90 > 99.00	2.413	2.413	0.0	1.000	980		1.04(1.11-3.34)	0.9		M
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.701	2.701	0.0	0.780	148346	1.05		89.6	155	M
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.737	2.737	0.0	1.000	1583	0.001075	Target=12.24	0.6		M
313.00 > 119.00	2.737	2.737	0.0	1.000	122		12.98(6.12-18.36)	0.3		M
D 7 13C2 PFHxA										M
315.00 > 270.00	2.737	2.737	0.0	0.790	1763365	1.24		99.2	2317	M
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.847	2.847	0.0	0.822	330323	1.23		98.8	1600	
67 Perfluoro(2-propoxypropanoic) ac										M
285.00 > 169.00	2.847	2.847	0.0	1.000	219	0.000771		2.4		M
D 11 18O2 PFHxS										M
403.00 > 84.00	3.110	3.110	0.0	0.898	1410002	1.22		103	1201	M
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.110	3.110	0.0	1.000	4834	0.003676	Target=3.43	16.9		M
399.00 > 99.00	3.110	3.110	0.0	1.000	993		4.87(1.72-5.15)	1.8		M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 9 13C4 PFHpA										
367.00 > 322.00	3.110	3.110	0.0	0.898	1818546	1.23		98.7	2478	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.121	3.110	0.011	1.004	1915	0.001277	Target=3.73		0.6	M
363.00 > 169.00	3.132	3.110	0.022	1.007	754		2.54(1.86-5.59)		1.4	M
77 DONA										RM
377.00 > 251.00	3.143	3.143	0.0	0.831	1058	0.000301	Target=2.84		3.5	RM
377.00 > 85.00	3.132	3.143	-0.011	0.828	247		4.28(1.42-4.26)		0.7	M
D 12 M2-6:2 FTS										
429.00 > 81.00	3.455	3.455	0.0	0.997	221472	1.14		96.2	467	M
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.455	3.455	0.0	1.000	254	-0.0159			1.5	M
15 Perfluorooctanoic acid										RM
413.00 > 369.00	3.446	3.464	-0.018	0.995	3514	0.002148	Target=2.67		0.5	RM
413.00 > 169.00	3.481	3.464	0.017	1.005	697		5.04(1.34-4.01)		2.5	M
D 14 13C4 PFOA										
417.00 > 372.00	3.464	3.464	0.0	1.000	1823488	1.21		96.5	2014	M
* 62 13C2 PFOA										
415.00 > 370.00	3.464	3.464	0.0		1982986	1.25			5113	
17 Perfluorooctanesulfonic acid										RM
499.00 > 80.00	3.791	3.782	0.009	1.003	4877	-0.0127	Target=4.88		2.5	RM
499.00 > 99.00	3.753	3.782	-0.029	0.992	433		11.26(2.44-7.32)		1.5	M
D 18 13C4 PFOS										
503.00 > 80.00	3.782	3.782	0.0	1.092	1021290	1.18		98.8	2796	
D 19 13C5 PFNA										
468.00 > 423.00	3.801	3.801	0.0	1.097	1923403	1.23		98.1	1941	M
69 9-Chlorohexadecafluoro-3-oxanona										M
531.00 > 351.00	3.951	3.951	0.0	1.045	486	0.000322			6.6	M
D 23 13C2 PFDA										
515.00 > 470.00	4.104	4.104	0.0	1.185	1807507	1.18		94.7	1668	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.115	4.115	0.0	1.188	280355	1.20		100	1098	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.138	4.115	0.023	1.006	50	0.000221			1.5	M
D 21 13C8 FOSA										
506.00 > 78.00	4.161	4.161	0.0	1.201	1615535	1.21		96.7	1265	M
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.161	4.173	-0.012	1.000	620	0.000471			2.0	M
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.249	4.249	0.0	1.227	233357	1.14		91.2	1101	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.238	4.249	-0.011	0.997	48	0.000290			0.2	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.376	4.376	0.0	1.263	1543291	1.33		107	2349	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.387	4.387	0.0	1.267	226288	1.17		93.5	928	

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	4.297	4.387	-0.090	0.979	89	0.000541			0.9	M
66 11-Chloroeicosafluoro-3-oxaundec										M
631.00 > 451.00	4.491	4.478	0.013	1.188	1099	0.000559			7.2	M
D 36 13C2 PFDaA										M
615.00 > 570.00	4.612	4.612	0.0	1.331	1693149	1.41		113	2439	M
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.643	4.633	0.010	1.128	33	0.000312			1.1	M
D 43 13C2 PFTeDA										M
715.00 > 670.00	5.032	5.032	0.0	1.453	1482862	1.51		121	2572	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.022	5.032	-0.010	0.998	282	0.001484	Target=0.94		6.5	M
713.00 > 219.00	5.022	5.032	-0.010	0.998	246		1.15(0.47-1.41)		4.0	M
45 Perfluorohexadecanoic acid										M
813.00 > 769.00	5.389	5.389	0.0	1.000	13968	-0.008173	Target=4.38		3.8	
813.00 > 169.00	5.389	5.389	0.0	1.000	2914		4.79(2.19-6.57)		33.9	M
D 44 13C2 PFHxDA										
815.00 > 770.00	5.389	5.389	0.0	1.556	1549972	1.39		111	4388	
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.731	5.740	-0.009	1.064	720	0.000873	Target=4.31		0.2	M
913.00 > 169.00	5.731	5.740	-0.009	1.064	147		4.90(2.16-6.47)		3.1	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

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A04.d

Injection Date: 09-Aug-2022 16:15:45

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

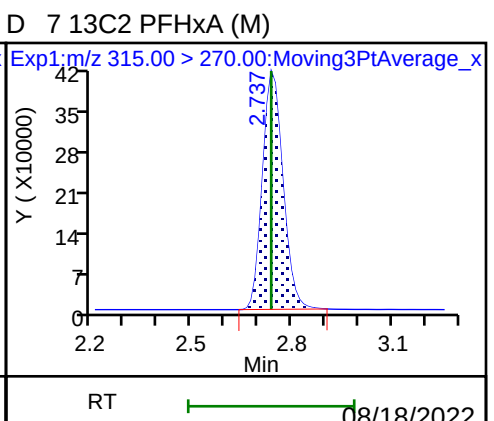
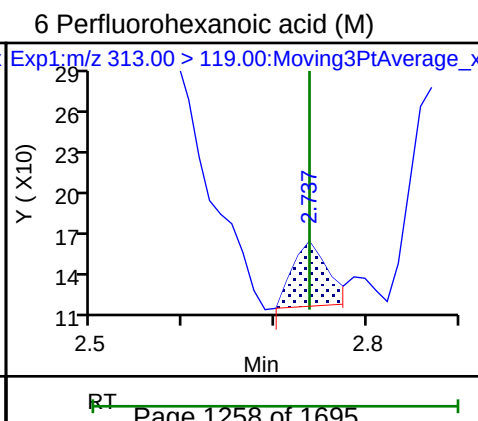
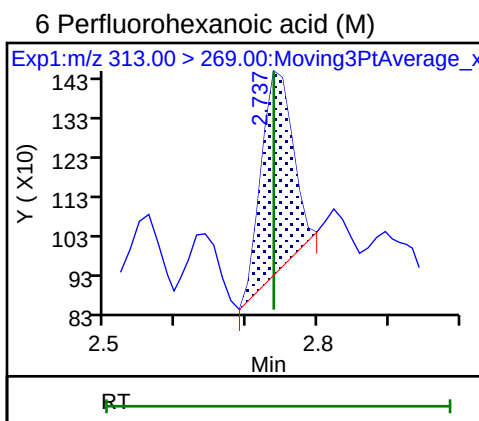
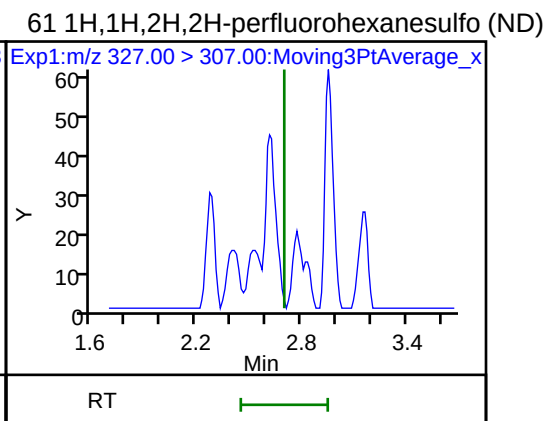
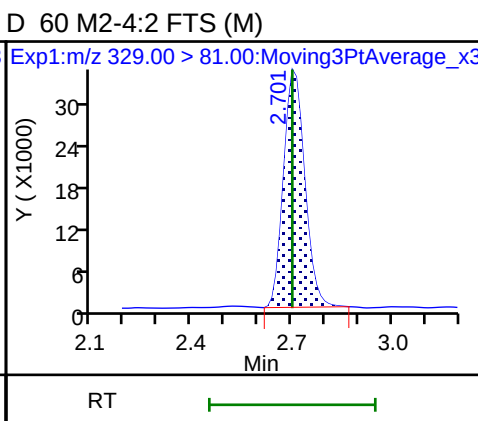
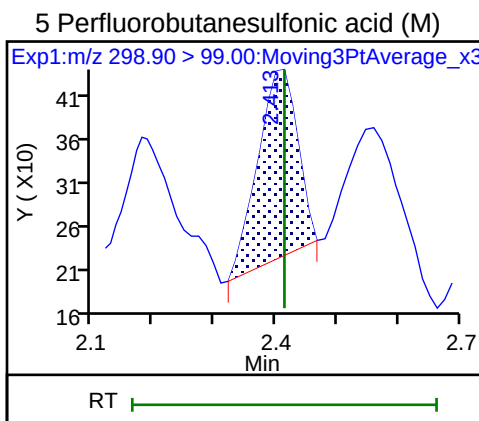
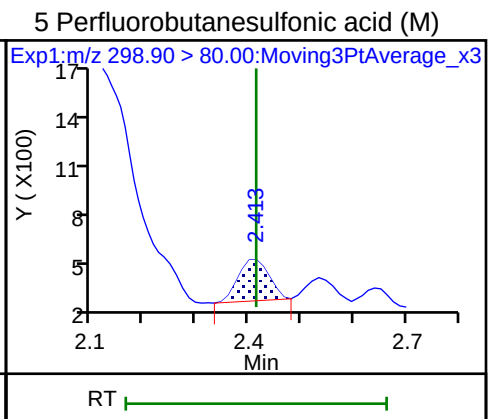
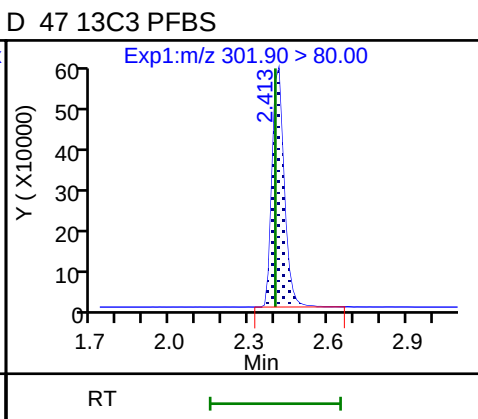
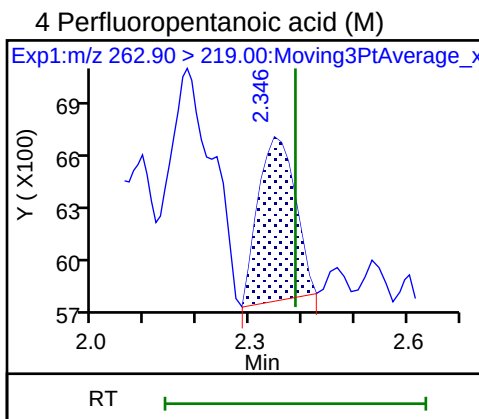
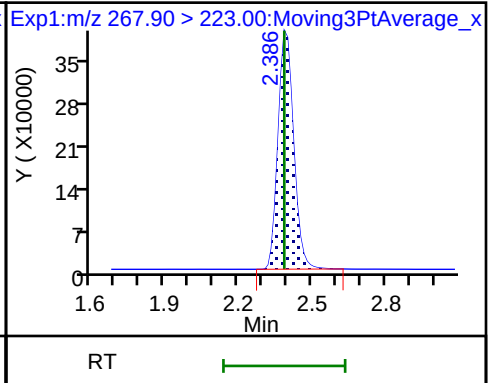
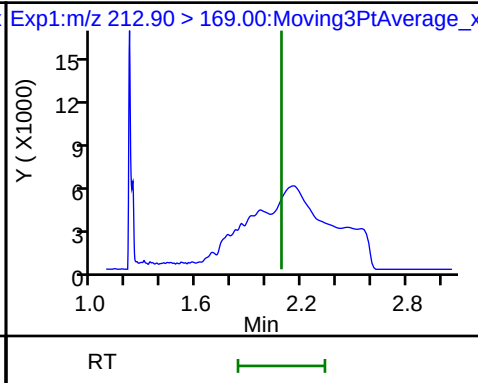
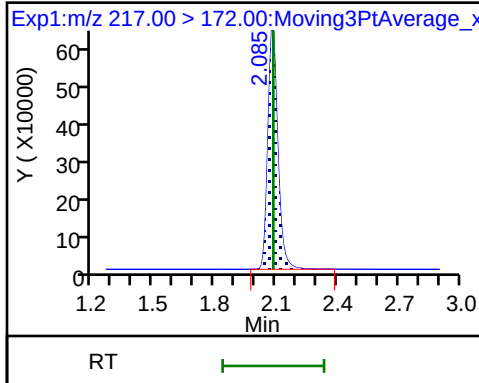
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

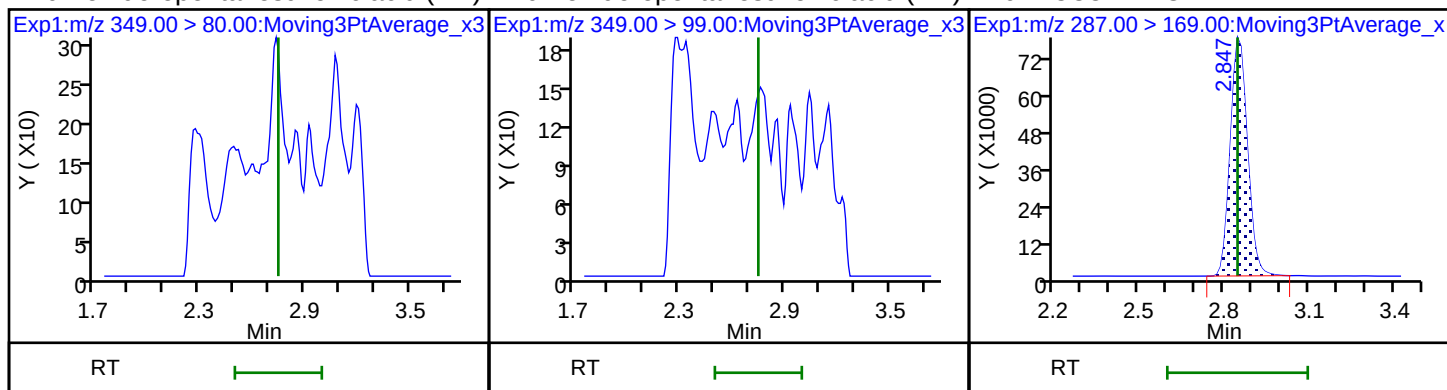
D 1 13C4 PFBA

2 Perfluorobutanoic acid (ND)

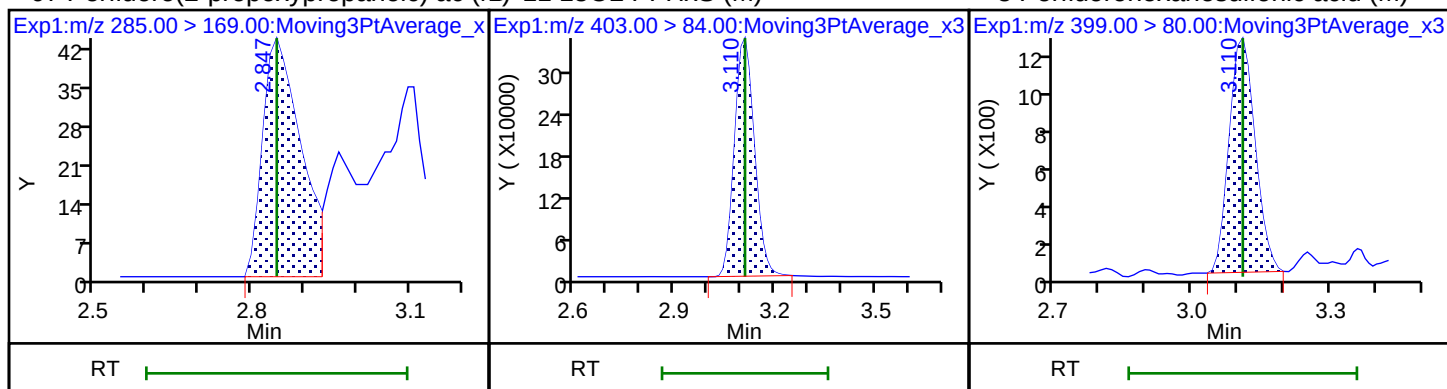
D 3 13C5 PFPeA



70 Perfluoropentanesulfonic acid (ND) 70 Perfluoropentanesulfonic acid (ND) D 64 13C3 HFPO-DA



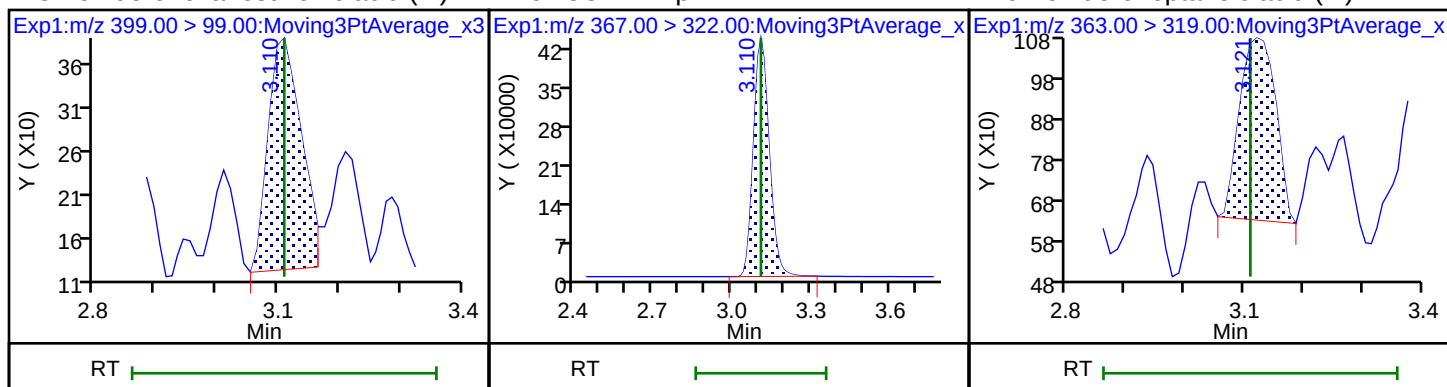
67 Perfluoro(2-propoxypropanoic) ac (M) 11 18O2 PFHxS (M)



8 Perfluorohexanesulfonic acid (M)

D 9 13C4 PFHpa

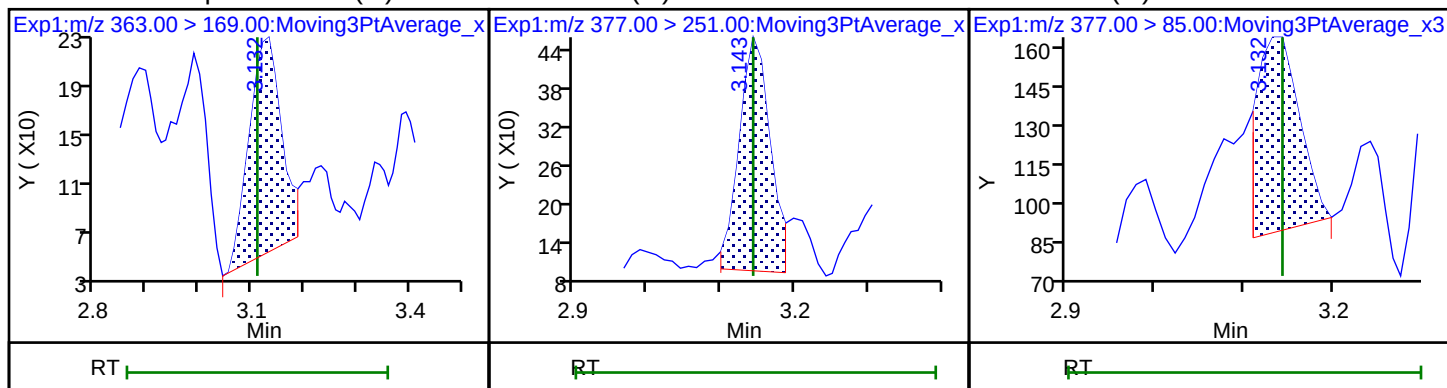
10 Perfluoroheptanoic acid (M)



10 Perfluoroheptanoic acid (M)

77 DONA (M)

77 DONA (M)



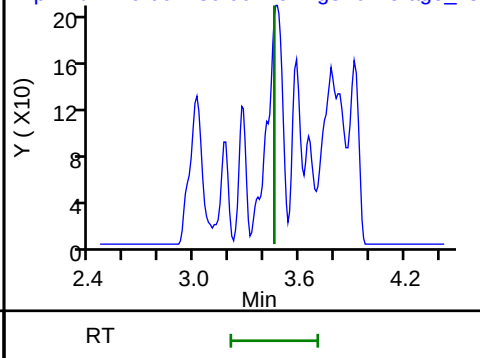
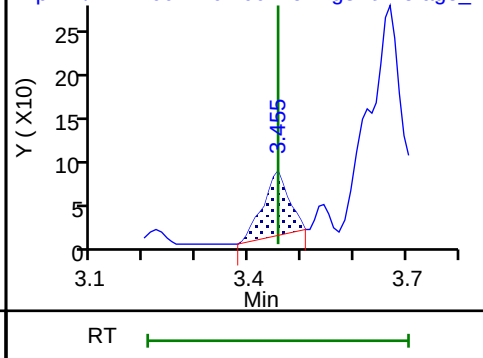
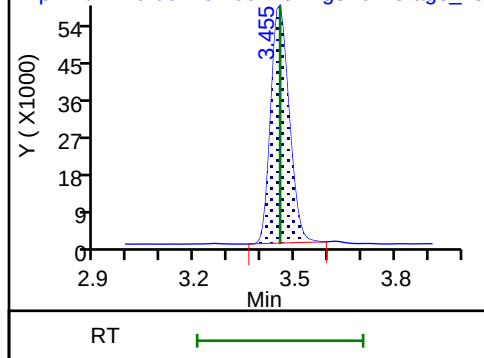
D 12 M2-6:2 FTS (M)

13 1H,1H,2H,2H-perfluorooctanesulfo (M) 16 Perfluoroheptanesulfonic acid (ND)

Exp1:m/z 429.00 > 81.00:Moving3PtAverage_x3

Exp1:m/z 427.00 > 407.00:Moving3PtAverage_x3

Exp1:m/z 449.00 > 80.00:Moving3PtAverage_x3



16 Perfluoroheptanesulfonic acid (ND)

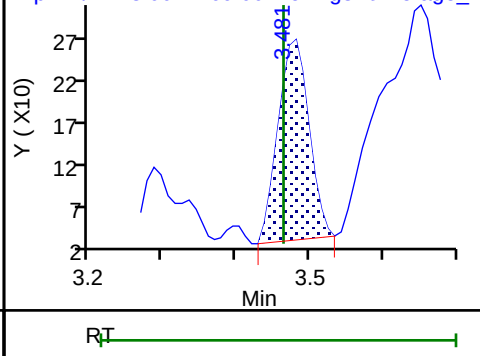
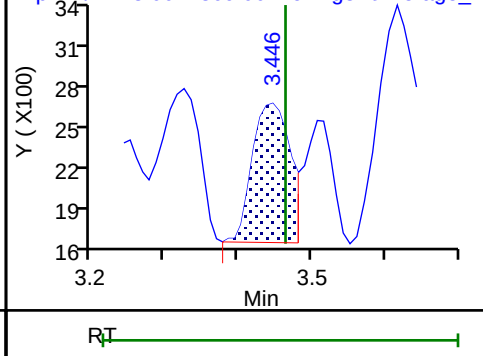
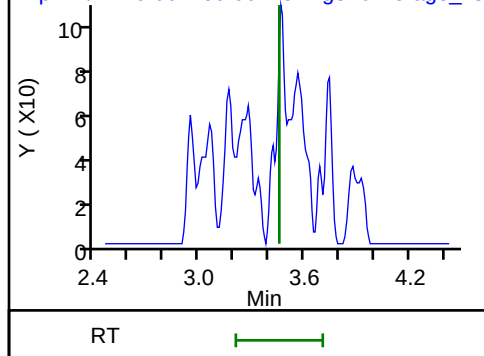
15 Perfluorooctanoic acid (M)

15 Perfluorooctanoic acid (M)

Exp1:m/z 449.00 > 99.00:Moving3PtAverage_x3

Exp1:m/z 413.00 > 369.00:Moving3PtAverage_x3

Exp1:m/z 413.00 > 169.00:Moving3PtAverage_x3



D 14 13C4 PFOA (M)

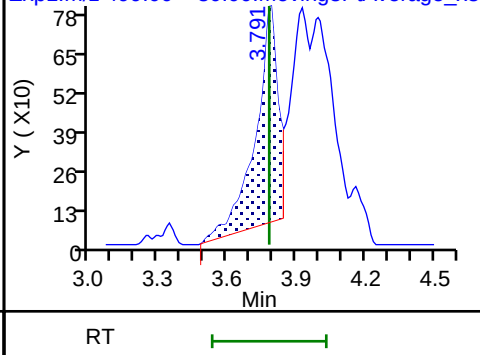
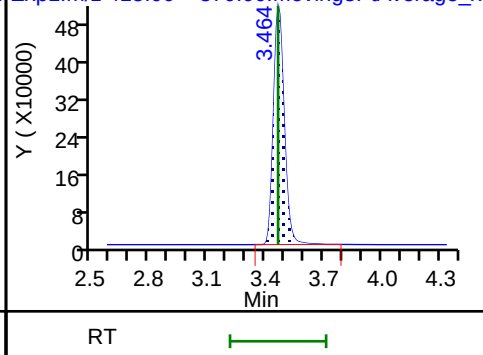
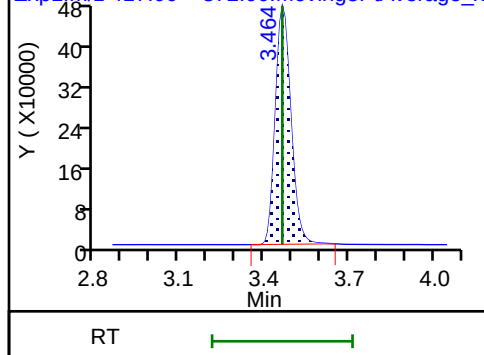
* 62 13C2 PFOA

17 Perfluorooctanesulfonic acid (M)

Exp1:m/z 417.00 > 372.00:Moving3PtAverage_x3

Exp1:m/z 415.00 > 370.00:Moving3PtAverage_x3

Exp1:m/z 499.00 > 80.00:Moving3PtAverage_x3



17 Perfluorooctanesulfonic acid (M)

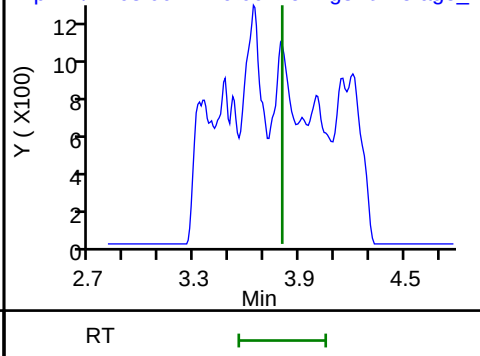
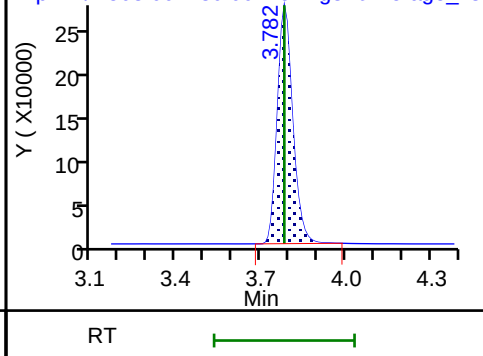
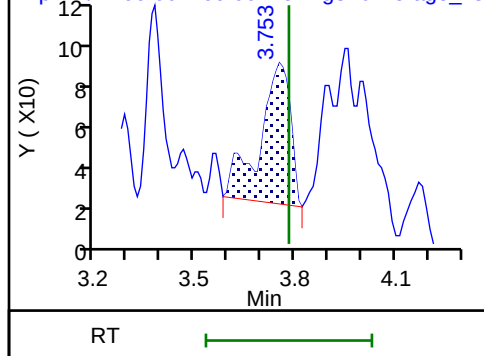
D 18 13C4 PFOS

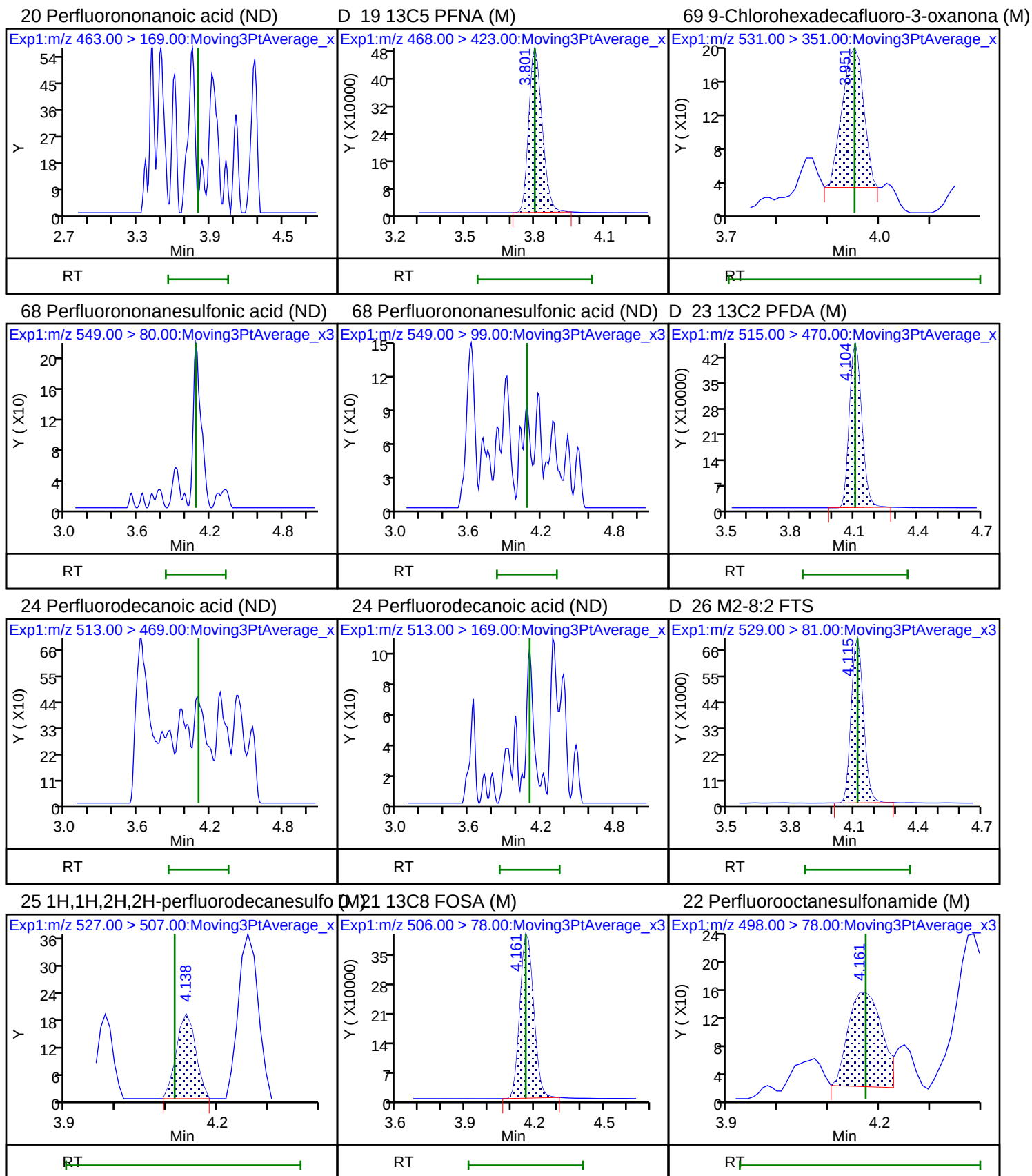
20 Perfluorononanoic acid (ND)

Exp1:m/z 499.00 > 99.00:Moving3PtAverage_x3

Exp1:m/z 503.00 > 80.00:Moving3PtAverage_x3

Exp1:m/z 463.00 > 419.00:Moving3PtAverage_x3

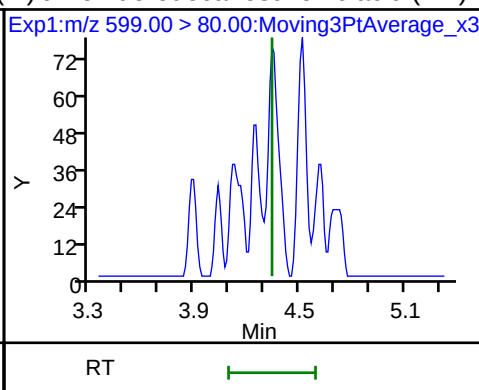
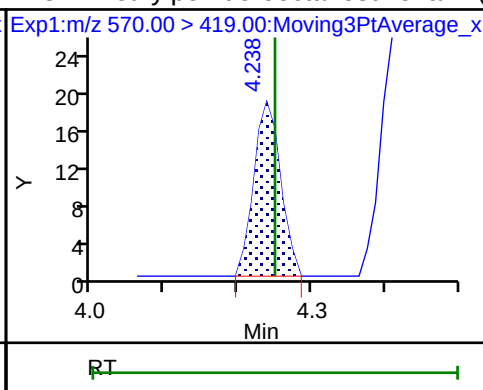
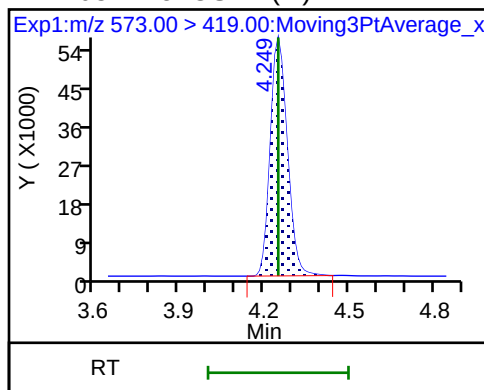




D 27 d3-NMeFOSAA (M)

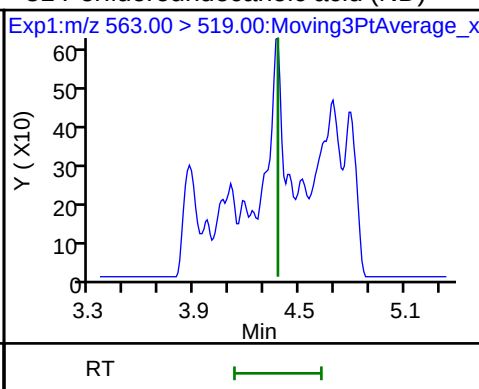
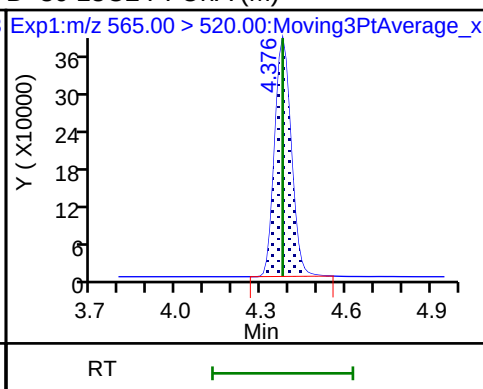
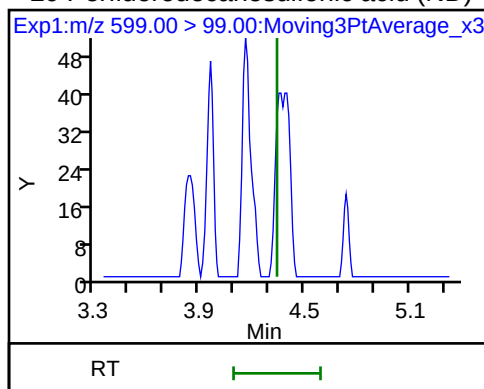
28 N-methylperfluorooctanesulfonami (M)

29 Perfluorodecanesulfonic acid (ND)



29 Perfluorodecanesulfonic acid (ND) D 30 13C2 PFUnA (M)

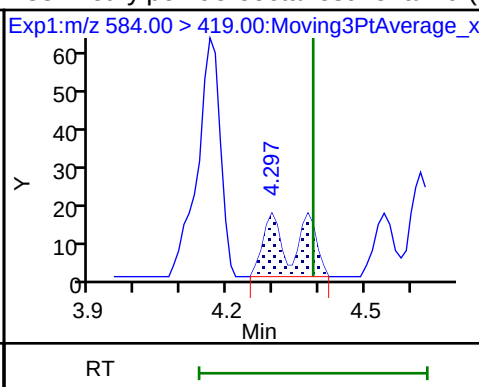
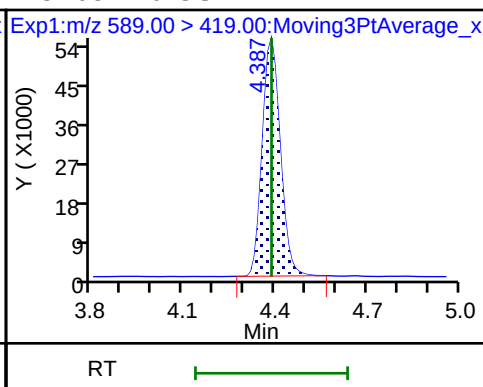
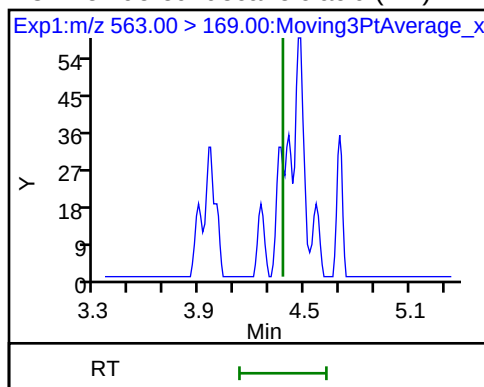
31 Perfluoroundecanoic acid (ND)



31 Perfluoroundecanoic acid (ND)

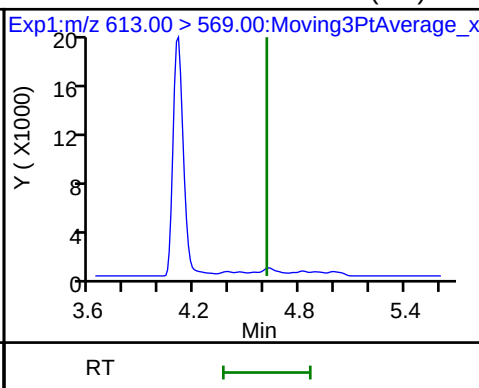
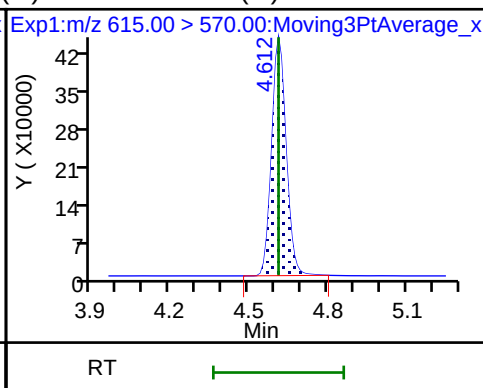
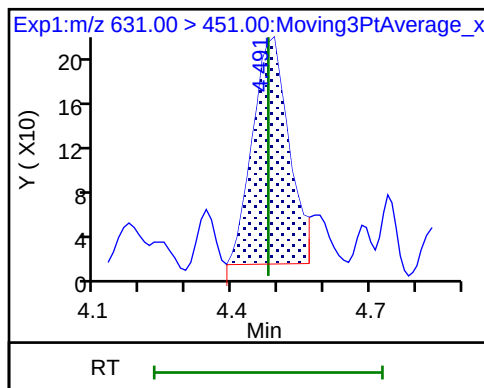
D 32 d5-NEtFOSAA

33 N-ethylperfluorooctanesulfonamid (M)



66 11-Chloroeicosafluoro-3-oxaundec (M) 36 13C2 PFDa (M)

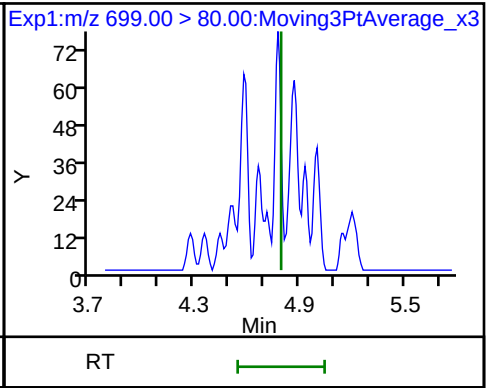
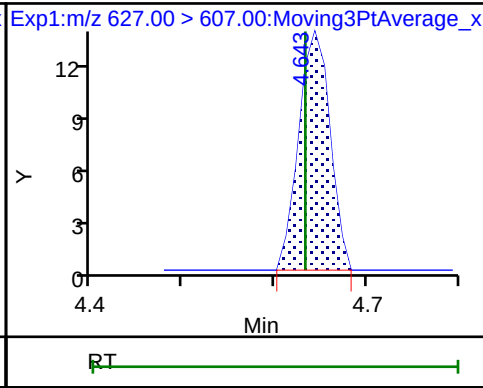
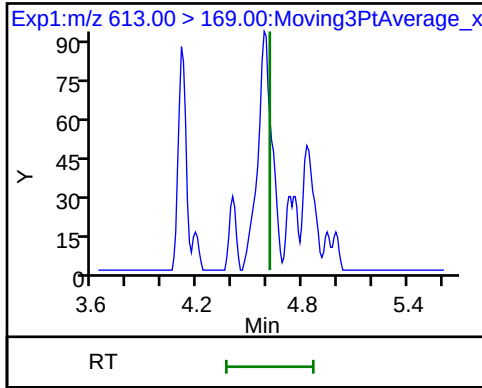
37 Perfluorododecanoic acid (ND)



37 Perfluorododecanoic acid (ND)

74 1H,1H,2H,2H-perfluorododecanesul (M)

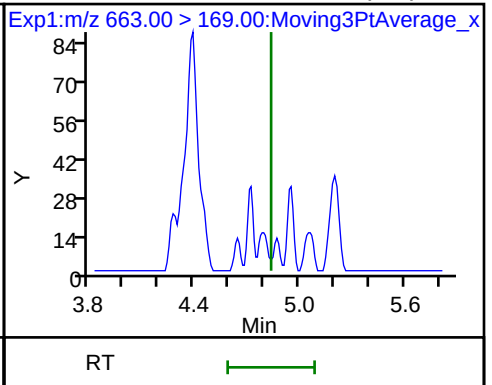
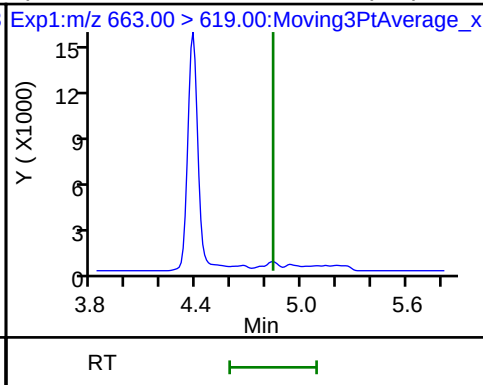
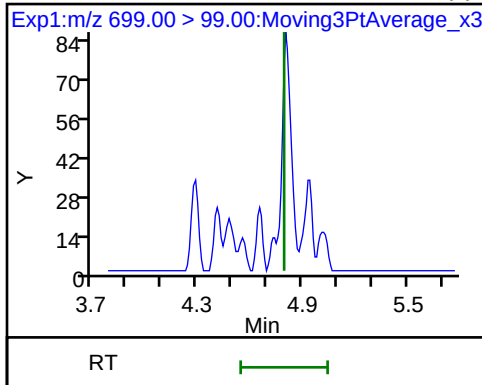
75 Perfluorododecanesulfonic acid ((ND)



75 Perfluorododecanesulfonic acid ((ND)

41 Perfluorotridecanoic acid (ND)

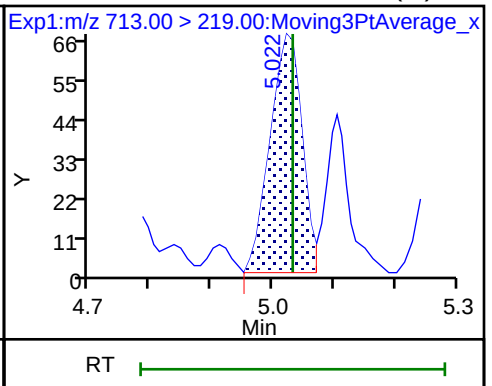
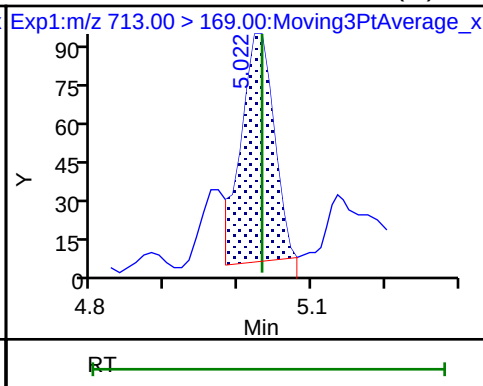
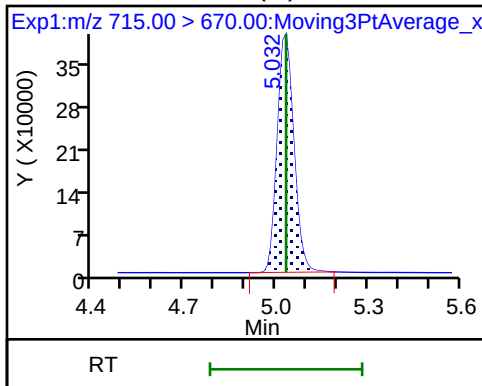
41 Perfluorotridecanoic acid (ND)



D 43 13C2 PFTeDA (M)

42 Perfluorotetradecanoic acid (M)

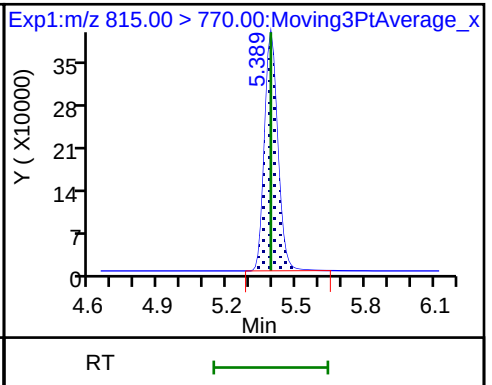
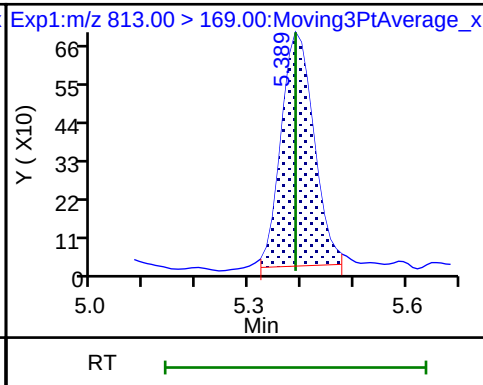
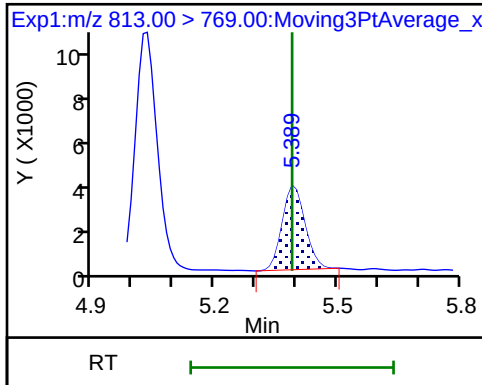
42 Perfluorotetradecanoic acid (M)



45 Perfluorohexadecanoic acid

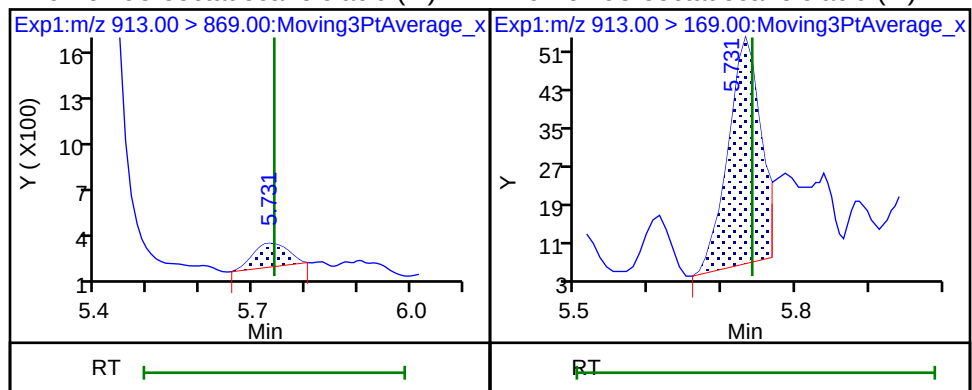
45 Perfluorohexadecanoic acid (M)

D 44 13C2 PFHxDA



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

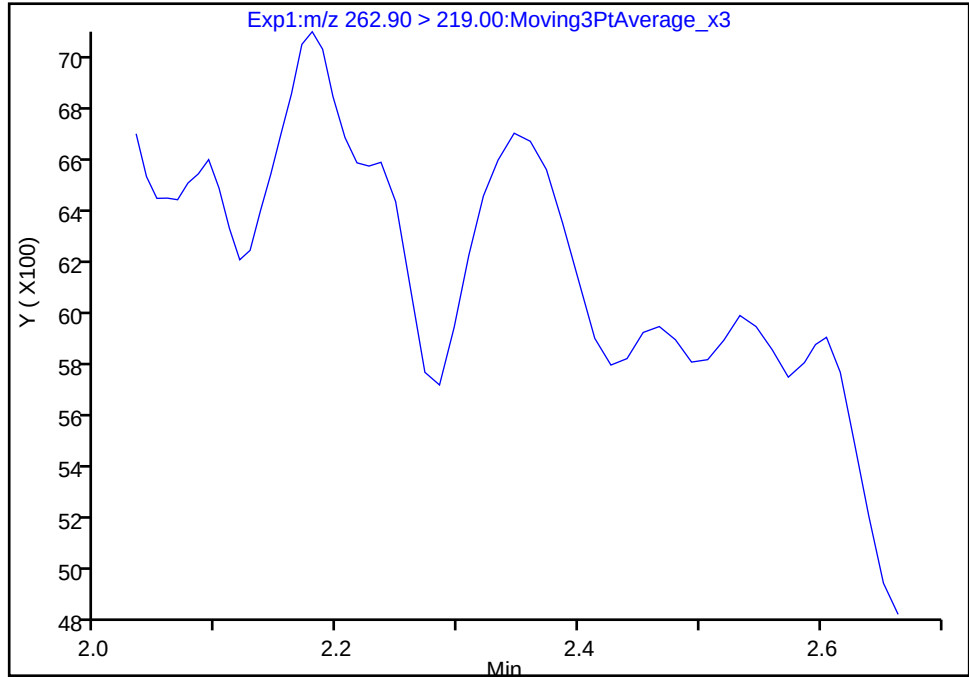
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A04.d
Injection Date: 09-Aug-2022 16:15:45 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

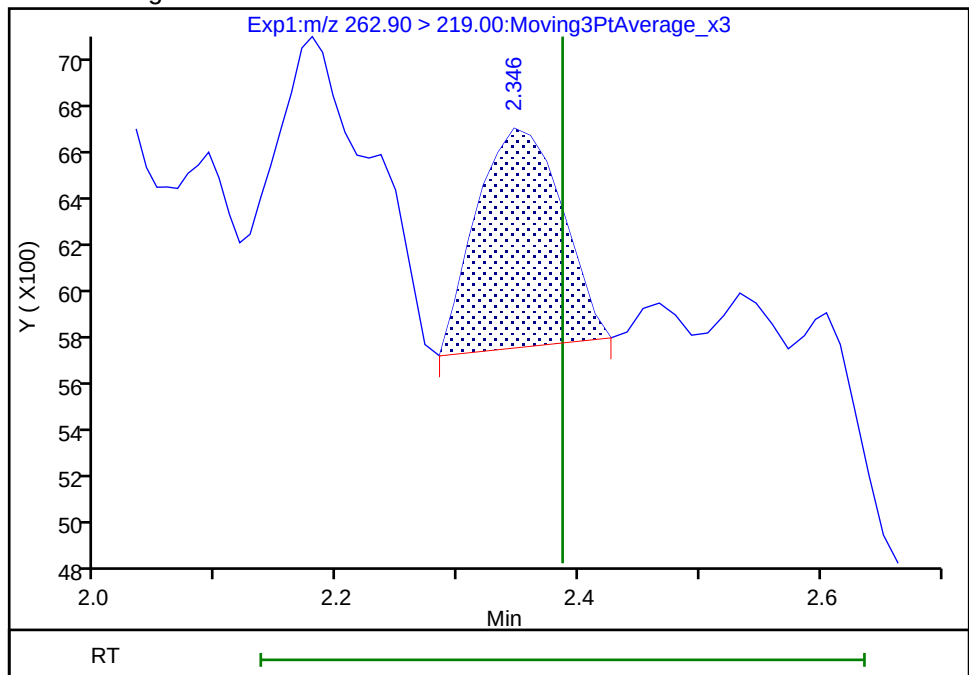
Signal: 1

Not Detected
Expected RT: 2.39

Processing Integration Results



Manual Integration Results



RT: 2.35
Area: 4415
Amount: 0.003089
Amount Units: ng/ml

Reviewer: khanphomeea, 10-Aug-2022 08:55:11

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

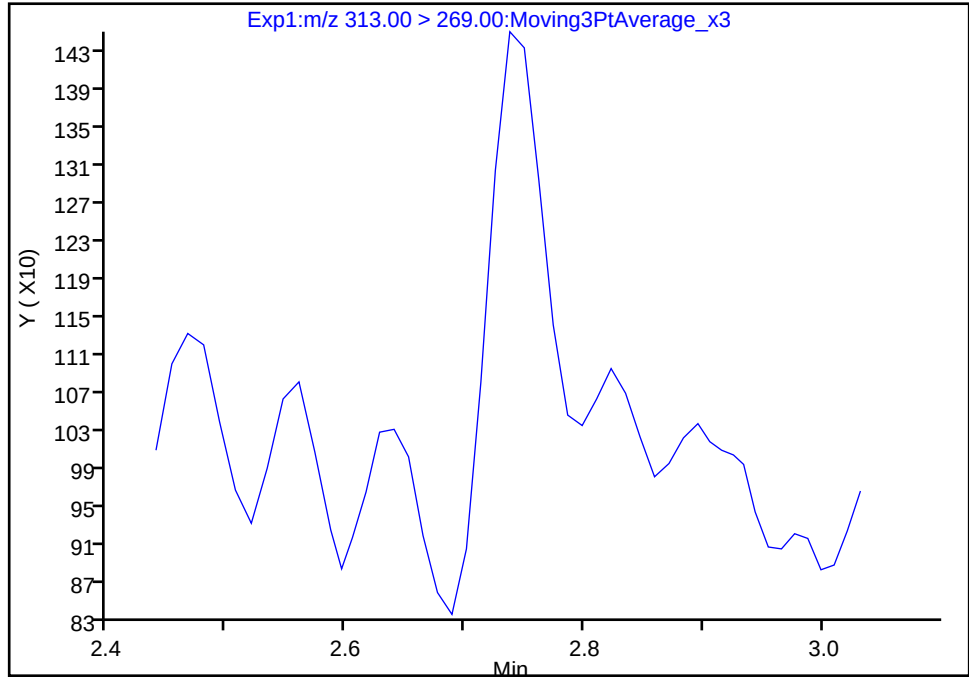
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A04.d
Injection Date: 09-Aug-2022 16:15:45 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

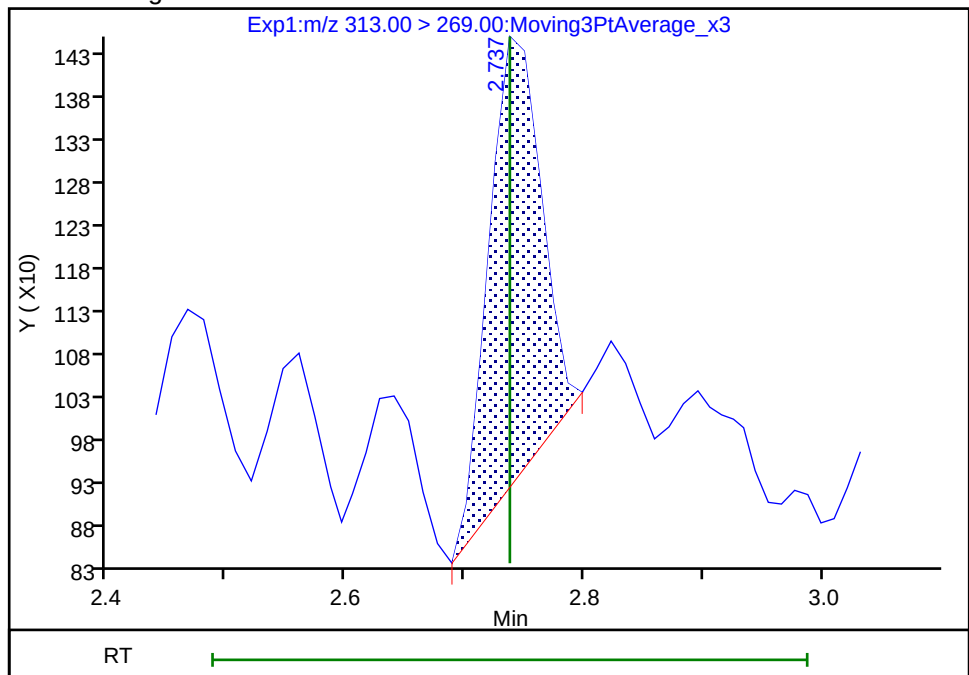
Not Detected
Expected RT: 2.74

Processing Integration Results



Manual Integration Results

RT: 2.74
Area: 1583
Amount: 0.001075
Amount Units: ng/ml



Reviewer: khanphomeea, 10-Aug-2022 08:55:33

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

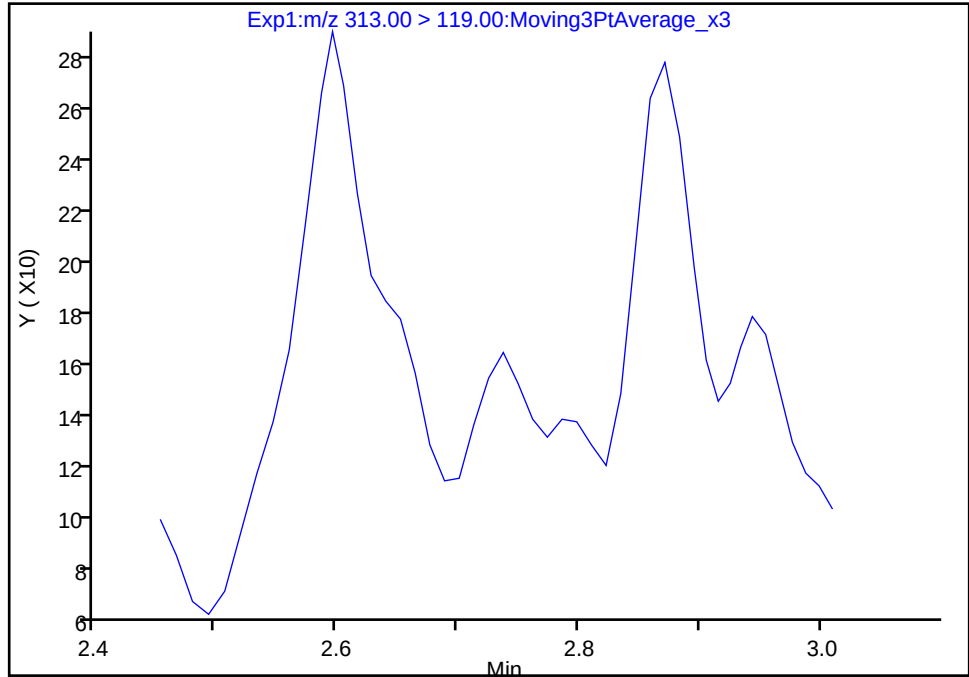
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A04.d
Injection Date: 09-Aug-2022 16:15:45 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

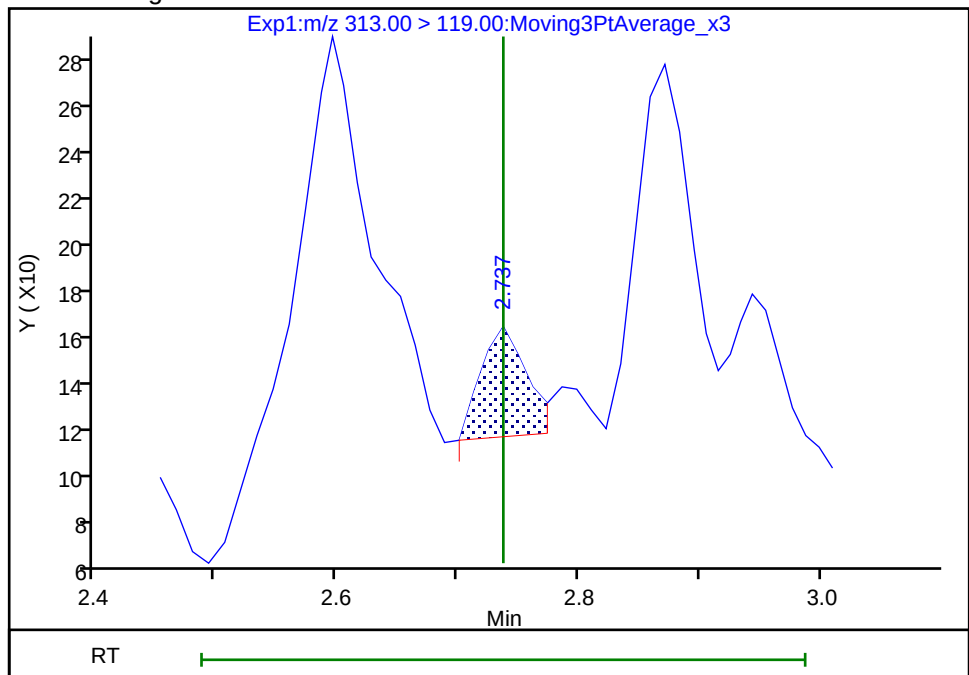
Not Detected
Expected RT: 2.74

Processing Integration Results



Manual Integration Results

RT: 2.74
Area: 122
Amount: 0.001075
Amount Units: ng/ml



Reviewer: khanphomeea, 10-Aug-2022 08:55:38

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

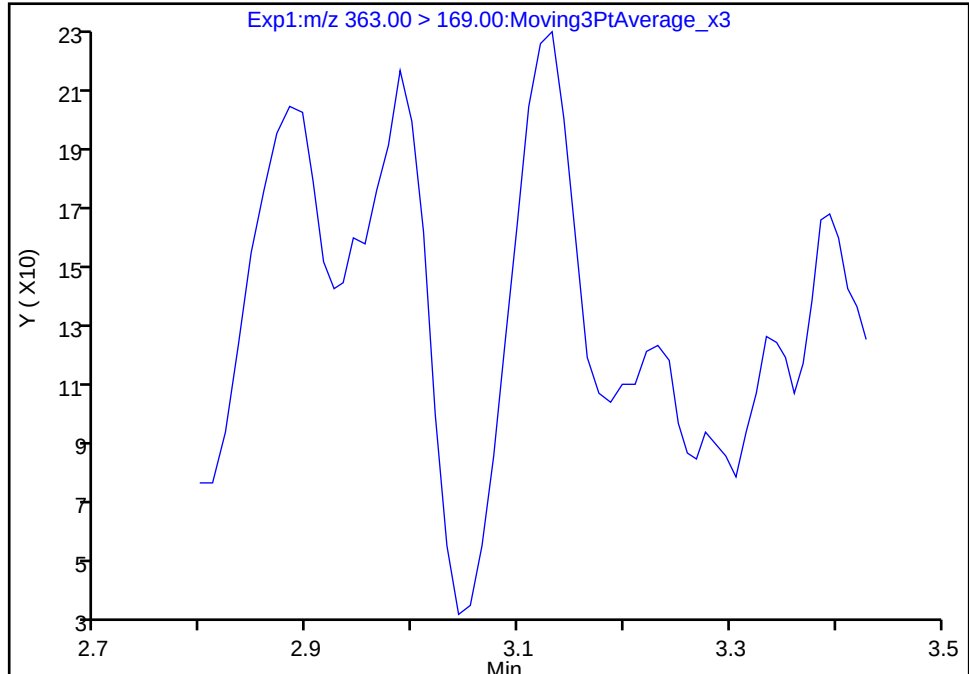
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A04.d
Injection Date: 09-Aug-2022 16:15:45 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

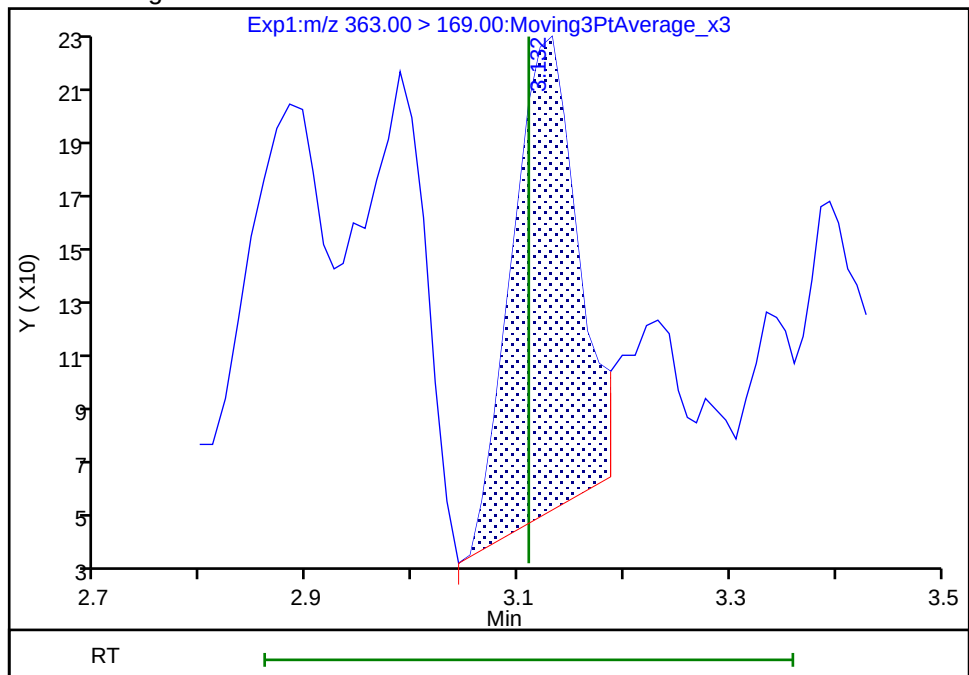
Not Detected
Expected RT: 3.11

Processing Integration Results



Manual Integration Results

RT: 3.13
Area: 754
Amount: 0.001277
Amount Units: ng/ml



Reviewer: khanphomeea, 10-Aug-2022 08:56:32

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

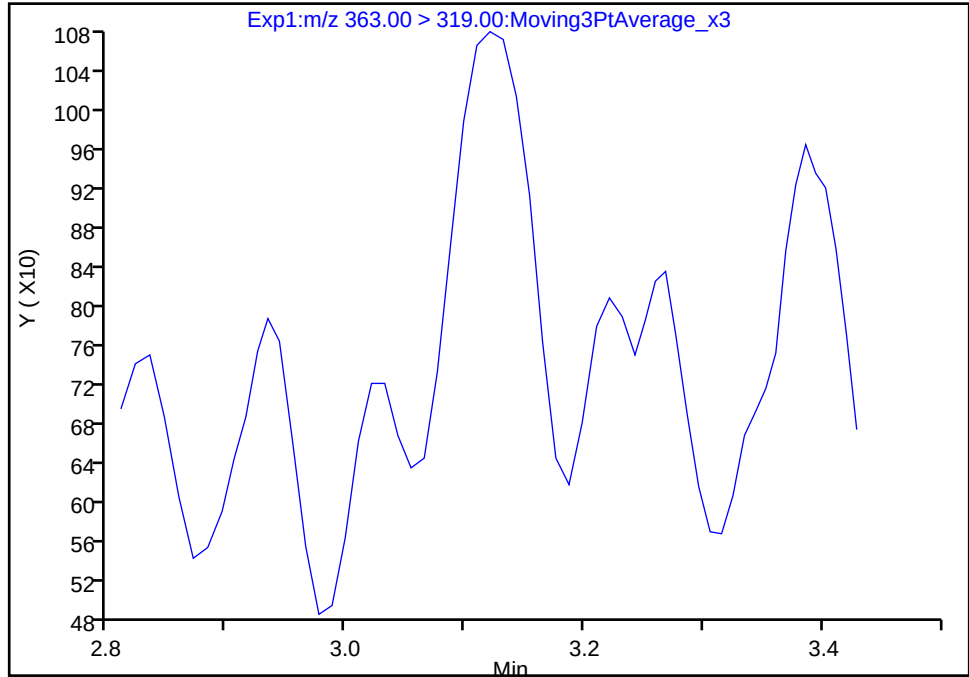
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A04.d
Injection Date: 09-Aug-2022 16:15:45 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

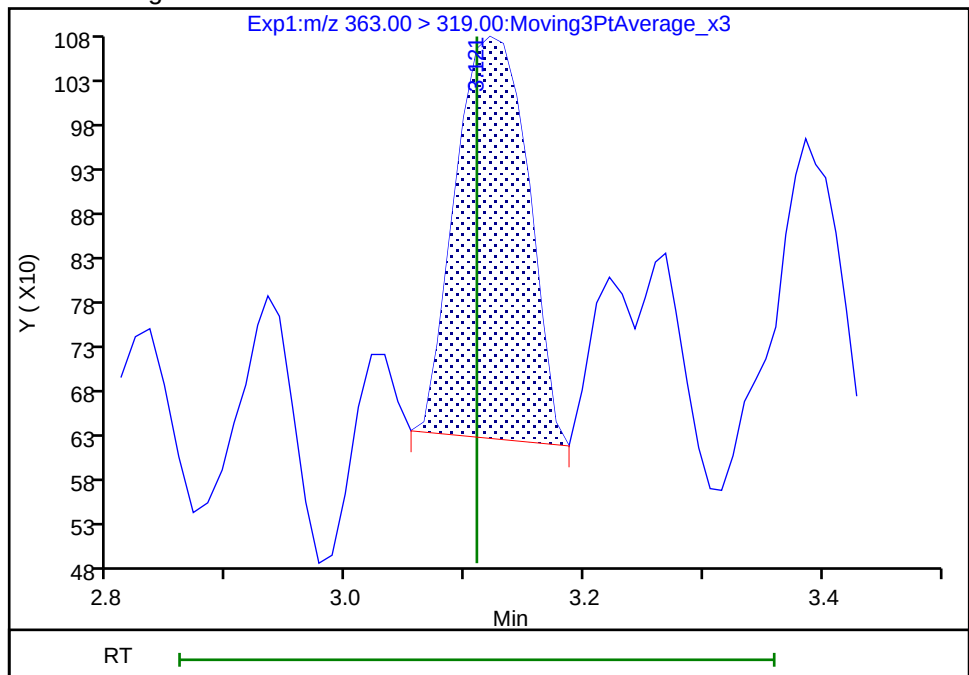
Not Detected
Expected RT: 3.11

Processing Integration Results



Manual Integration Results

RT: 3.12
Area: 1915
Amount: 0.001277
Amount Units: ng/ml



Reviewer: khanphomeea, 10-Aug-2022 08:56:35

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

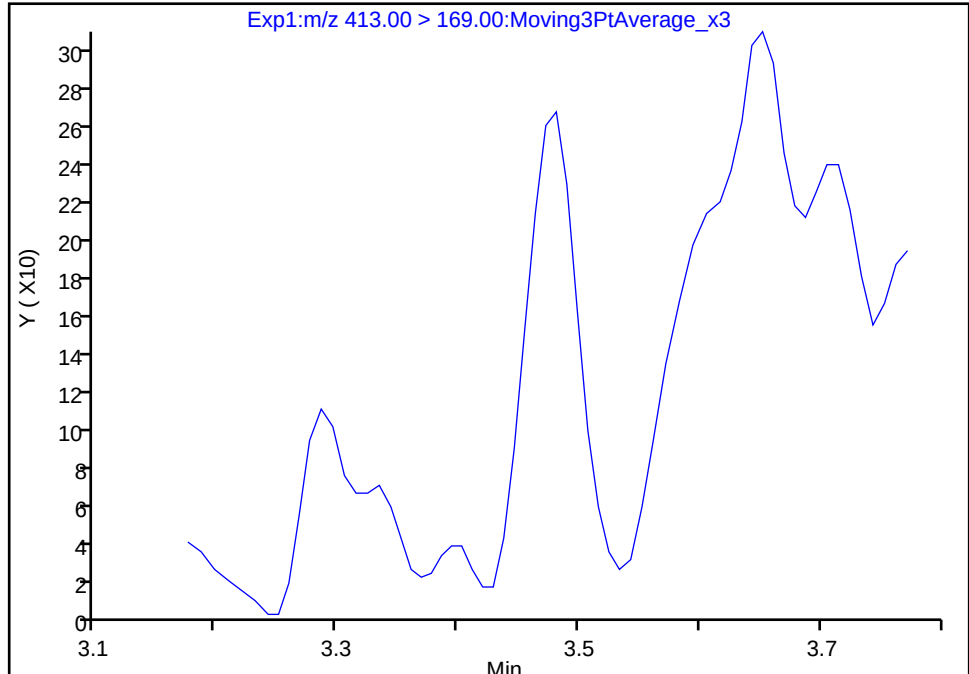
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A04.d
Injection Date: 09-Aug-2022 16:15:45 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

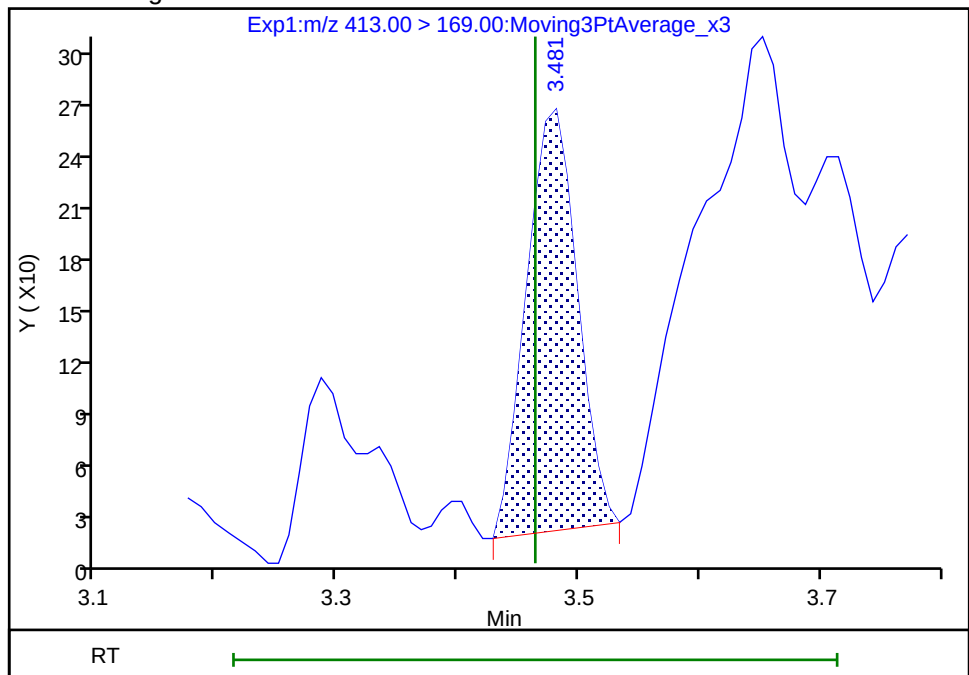
Not Detected
Expected RT: 3.46

Processing Integration Results



Manual Integration Results

RT: 3.48
Area: 697
Amount: 0.002148
Amount Units: ng/ml



Reviewer: khanphomeea, 10-Aug-2022 08:56:59

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

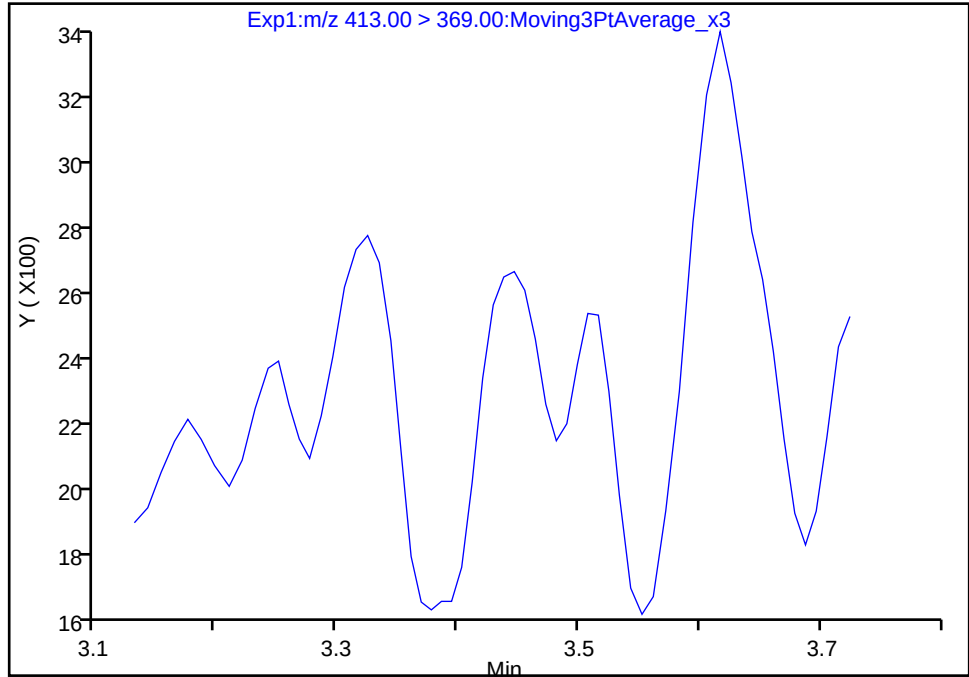
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A04.d
Injection Date: 09-Aug-2022 16:15:45 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

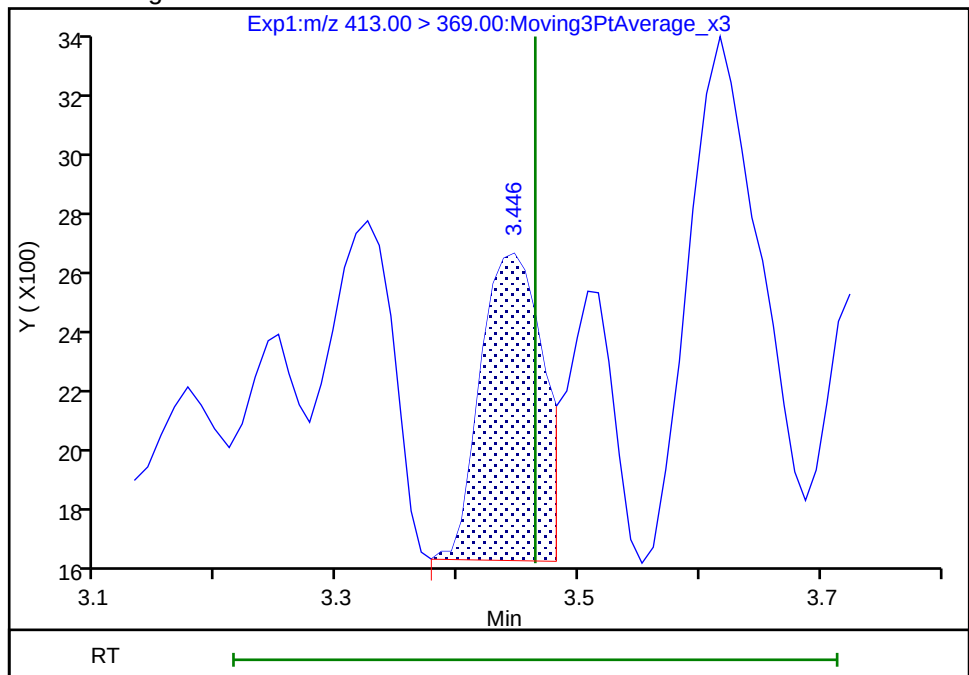
Not Detected
Expected RT: 3.46

Processing Integration Results



Manual Integration Results

RT: 3.45
Area: 3514
Amount: 0.002148
Amount Units: ng/ml



Reviewer: khanphomeea, 10-Aug-2022 08:57:01

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

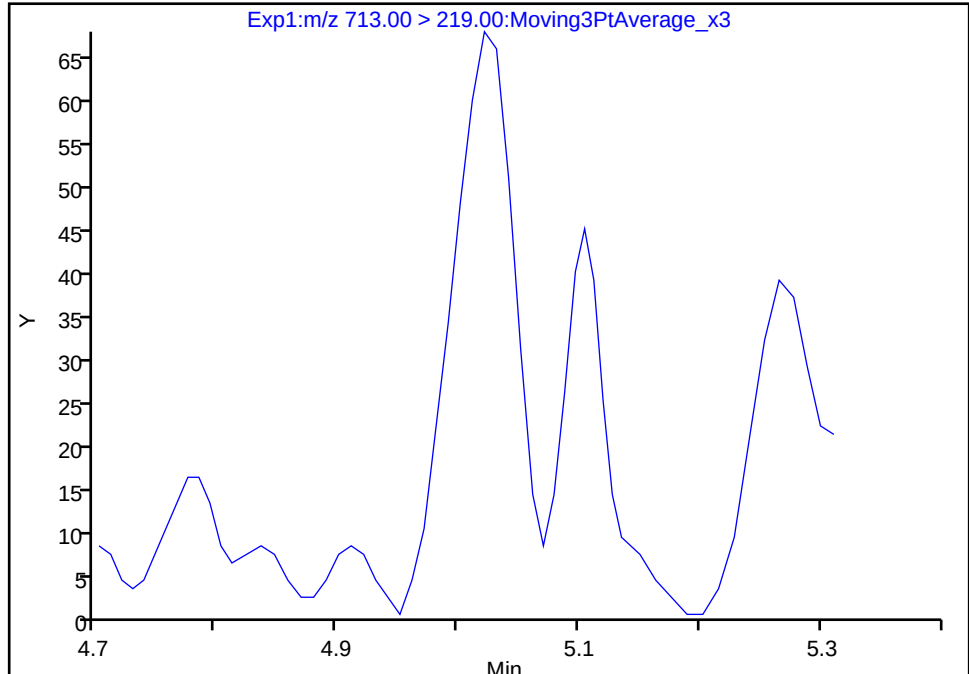
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A04.d
Injection Date: 09-Aug-2022 16:15:45 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

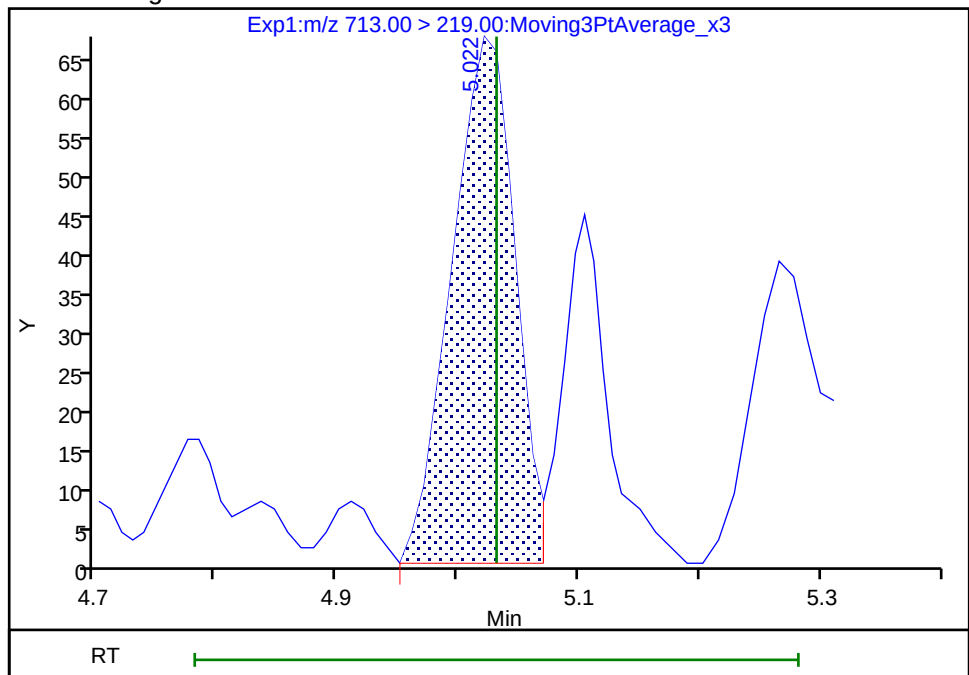
Signal: 2

Not Detected
Expected RT: 5.03

Processing Integration Results



Manual Integration Results



RT: 5.02
Area: 246
Amount: 0.001484
Amount Units: ng/ml

Reviewer: khanphomeea, 10-Aug-2022 08:59:12

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

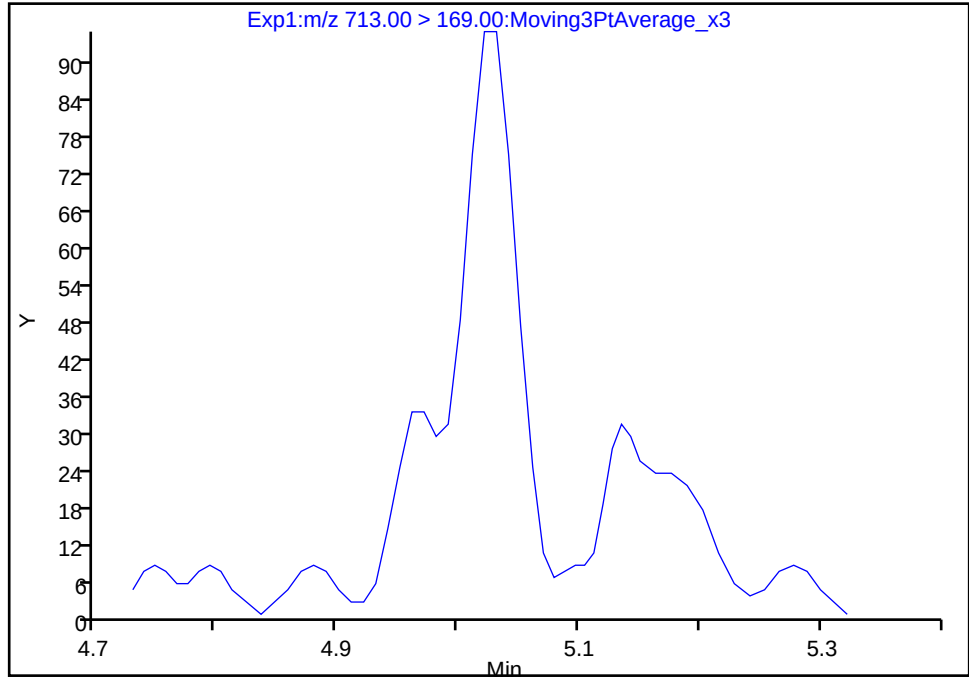
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A04.d
Injection Date: 09-Aug-2022 16:15:45 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

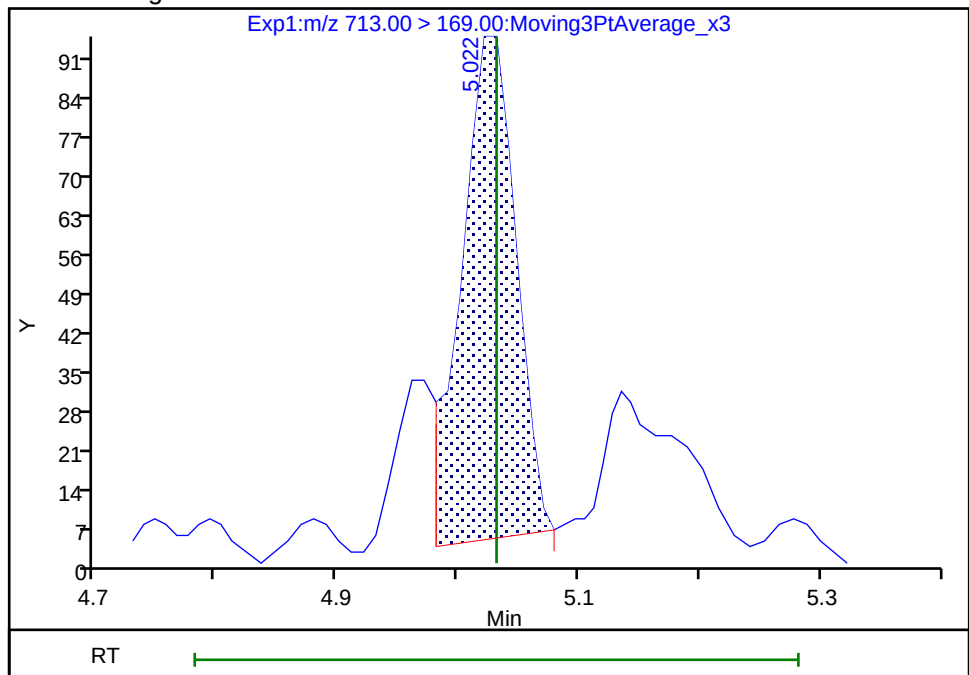
Not Detected
Expected RT: 5.03

Processing Integration Results



Manual Integration Results

RT: 5.02
Area: 282
Amount: 0.001484
Amount Units: ng/ml



Reviewer: khanphomeea, 10-Aug-2022 08:59:14

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

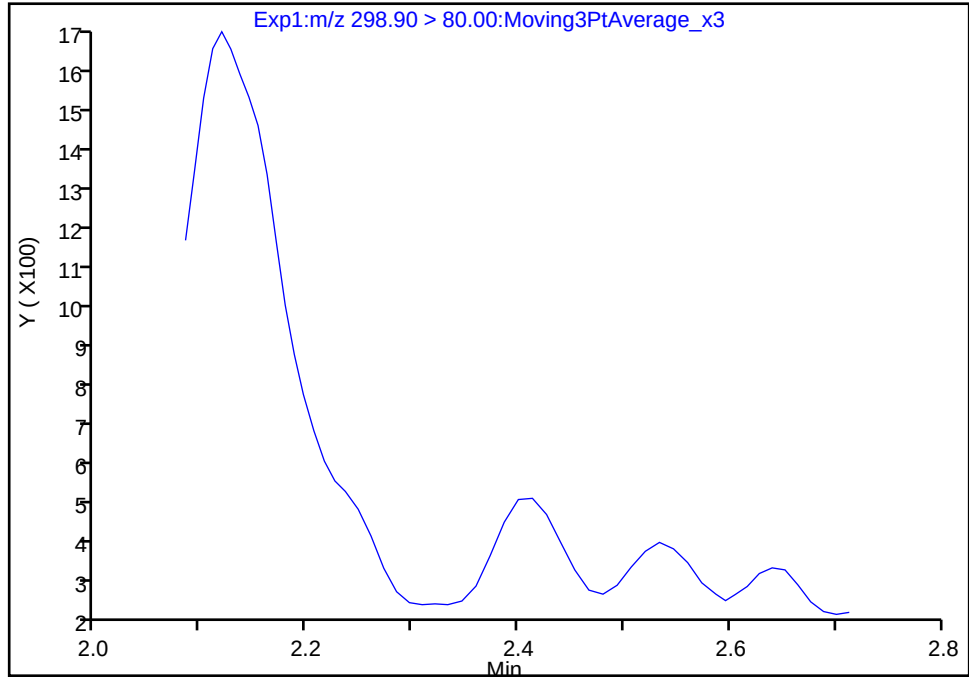
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A04.d
Injection Date: 09-Aug-2022 16:15:45 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

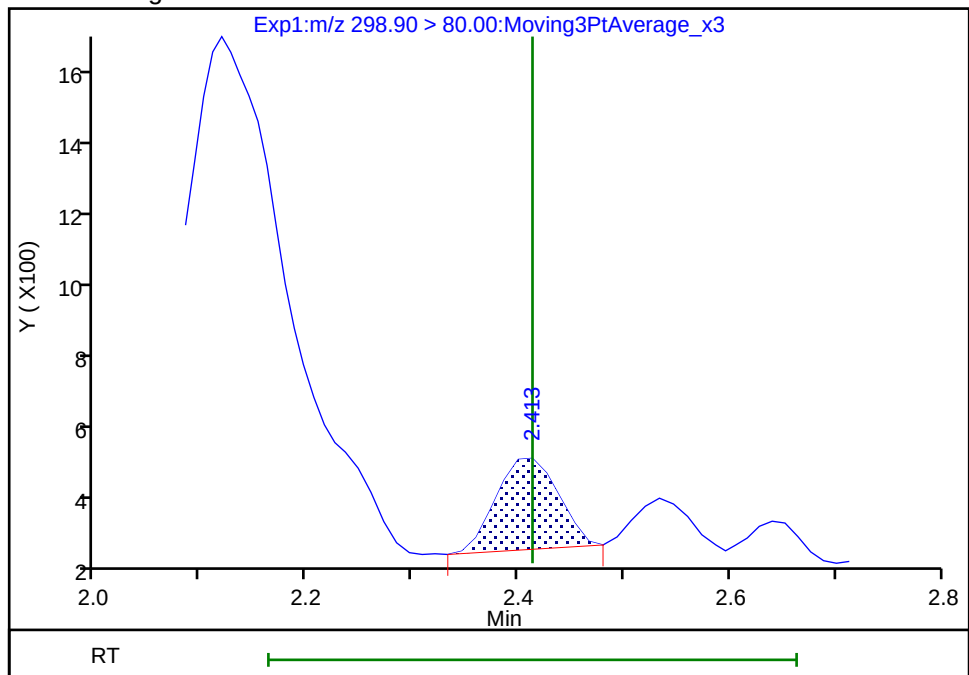
Not Detected
Expected RT: 2.41

Processing Integration Results



Manual Integration Results

RT: 2.41
Area: 1019
Amount: 0.000569
Amount Units: ng/ml



Reviewer: khanphomeea, 10-Aug-2022 08:55:19

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

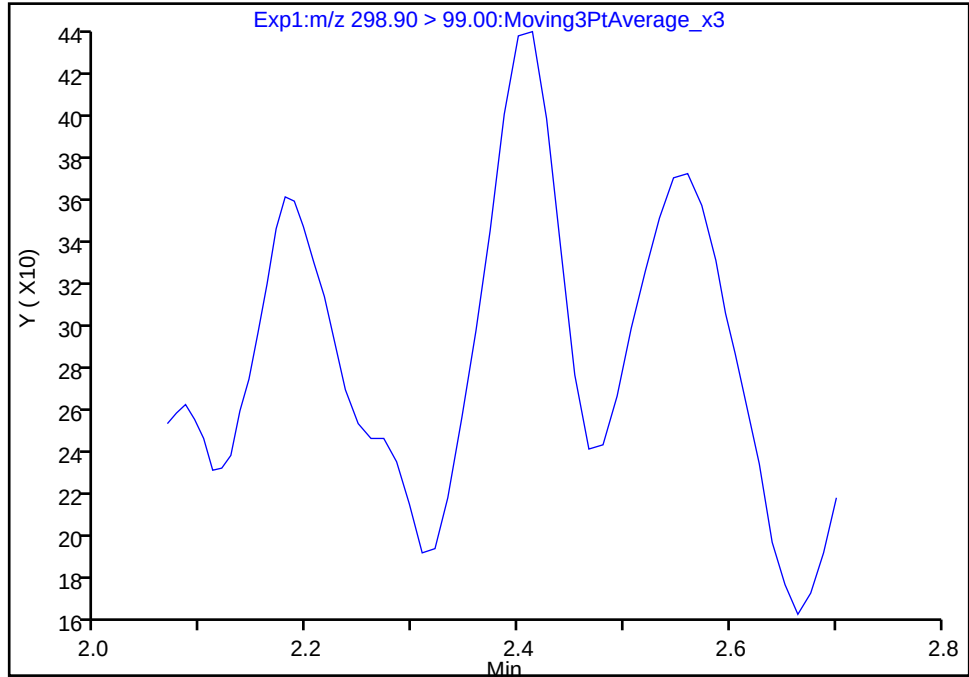
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A04.d
Injection Date: 09-Aug-2022 16:15:45 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

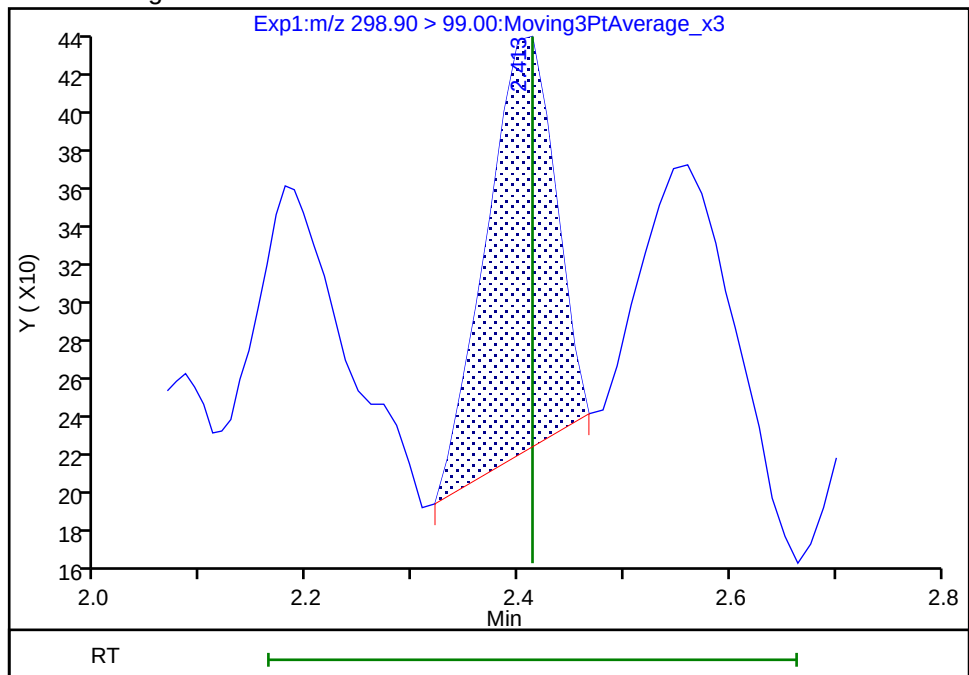
Not Detected
Expected RT: 2.41

Processing Integration Results



Manual Integration Results

RT: 2.41
Area: 980
Amount: 0.000569
Amount Units: ng/ml



Reviewer: khanphomeea, 10-Aug-2022 08:55:22

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

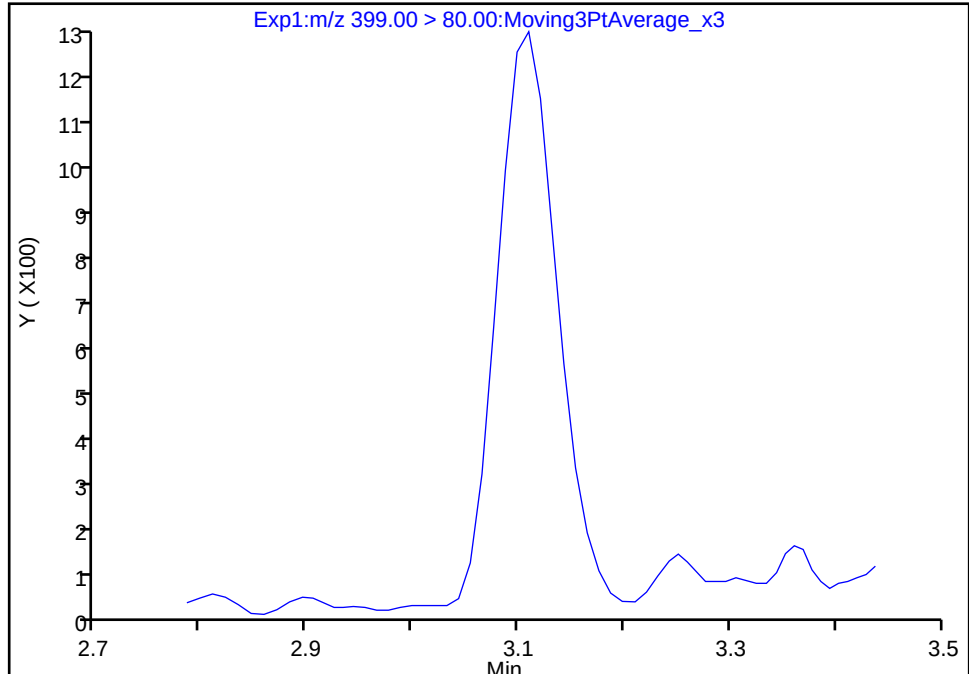
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A04.d
Injection Date: 09-Aug-2022 16:15:45 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

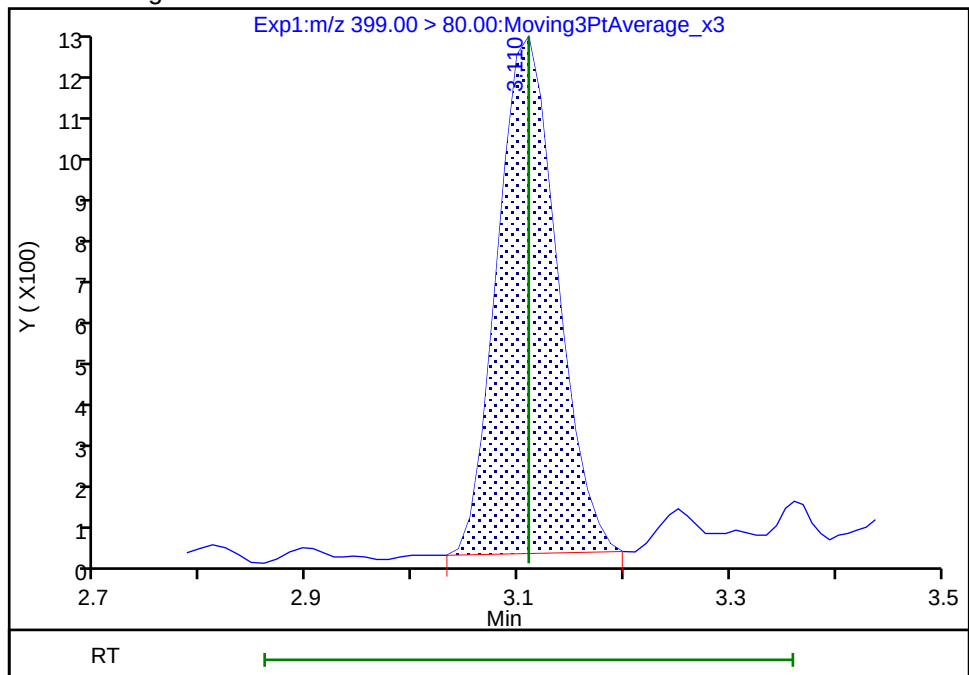
Not Detected
Expected RT: 3.11

Processing Integration Results



Manual Integration Results

RT: 3.11
Area: 4834
Amount: 0.003676
Amount Units: ng/ml



Reviewer: khanphomeea, 10-Aug-2022 08:56:05

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

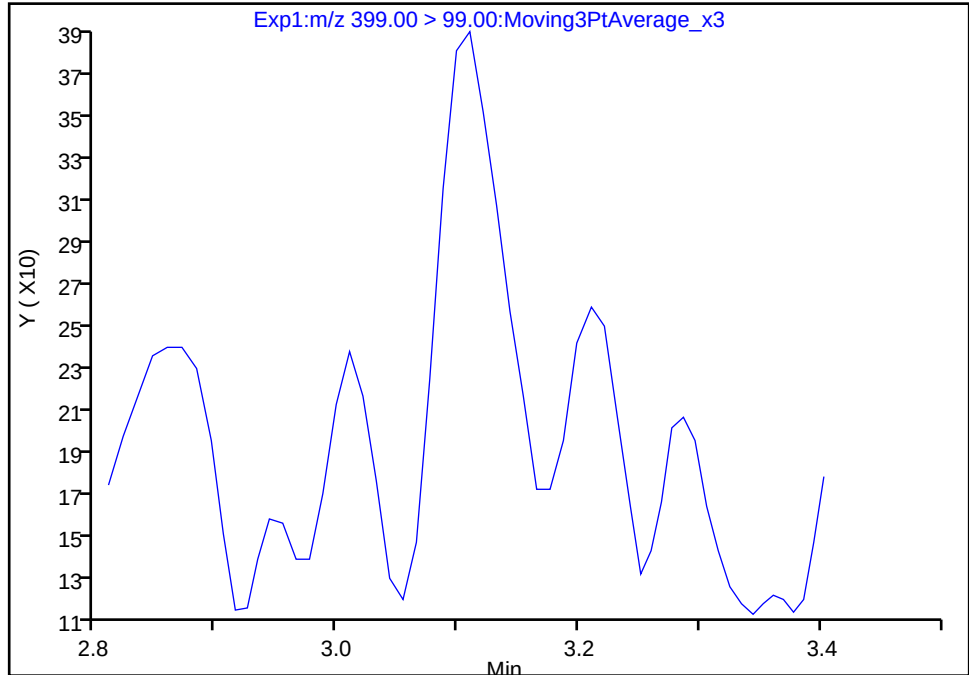
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A04.d
Injection Date: 09-Aug-2022 16:15:45 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

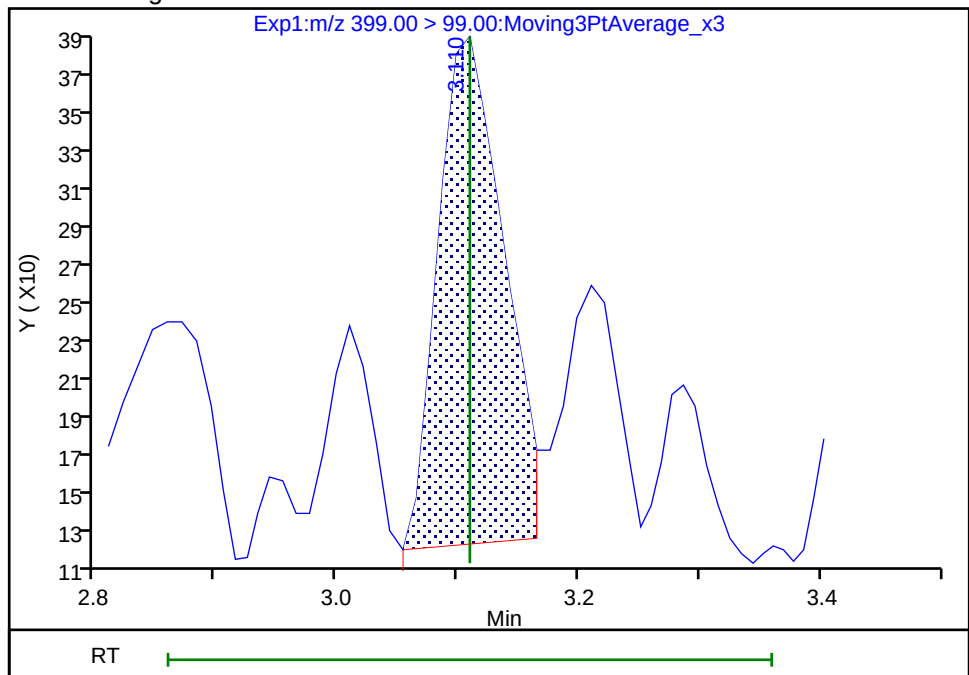
Not Detected
Expected RT: 3.11

Processing Integration Results



Manual Integration Results

RT: 3.11
Area: 993
Amount: 0.003676
Amount Units: ng/ml



Reviewer: khanphomeea, 10-Aug-2022 08:56:10

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

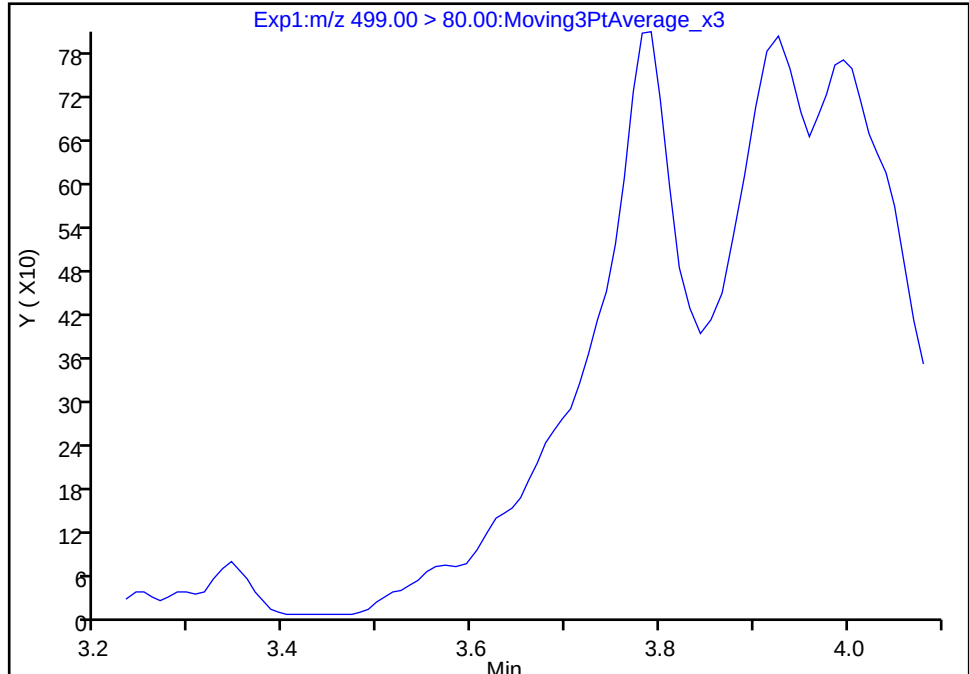
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A04.d
Injection Date: 09-Aug-2022 16:15:45 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

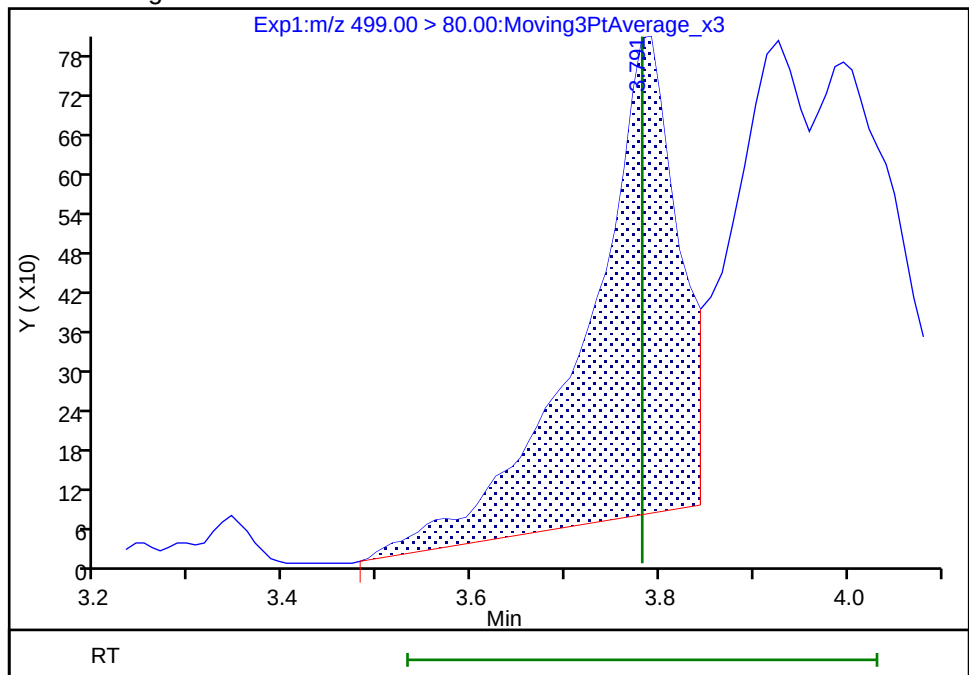
Signal: 1

Not Detected
Expected RT: 3.78

Processing Integration Results



Manual Integration Results



RT: 3.79
Area: 4877
Amount: -0.012737
Amount Units: ng/ml

Reviewer: khanphomeea, 10-Aug-2022 08:57:11

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

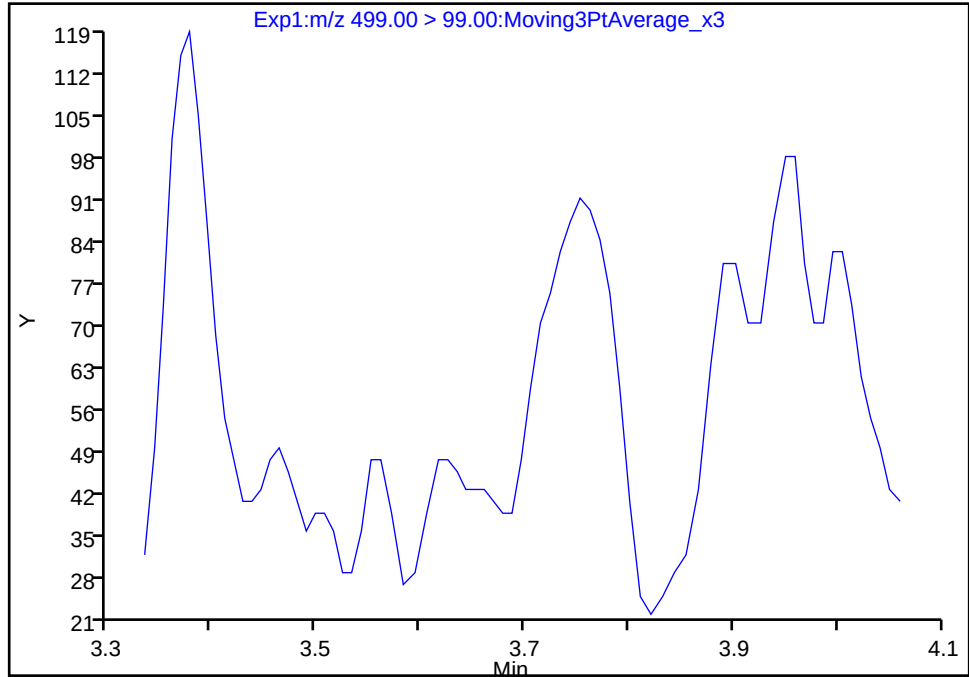
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A04.d
Injection Date: 09-Aug-2022 16:15:45 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

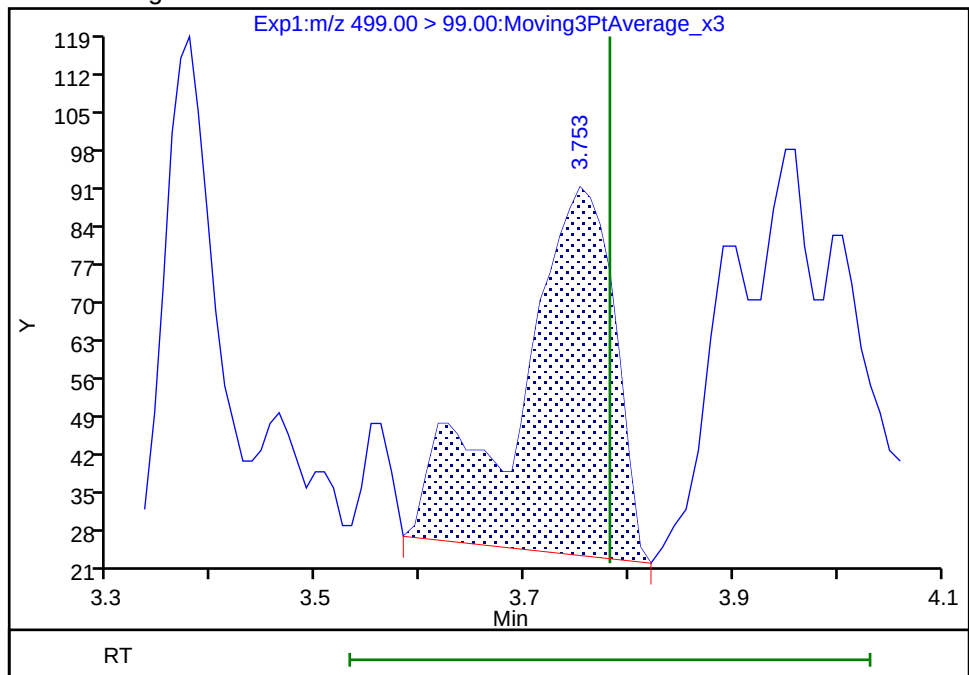
Not Detected
Expected RT: 3.78

Processing Integration Results



Manual Integration Results

RT: 3.75
Area: 433
Amount: -0.012737
Amount Units: ng/ml



Reviewer: khanphomeea, 10-Aug-2022 08:57:50

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

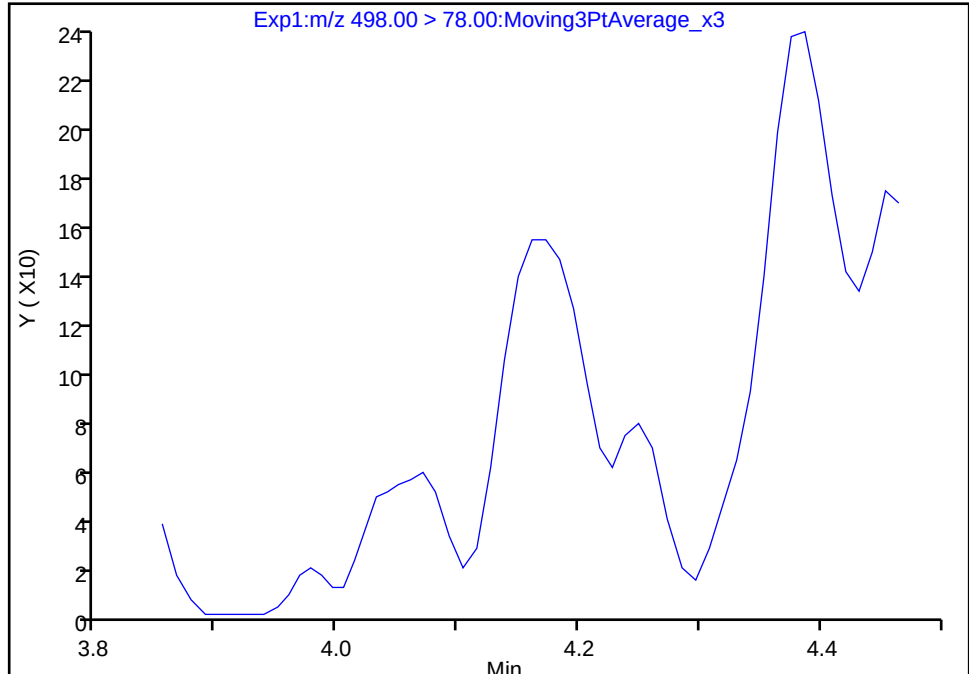
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A04.d
Injection Date: 09-Aug-2022 16:15:45 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

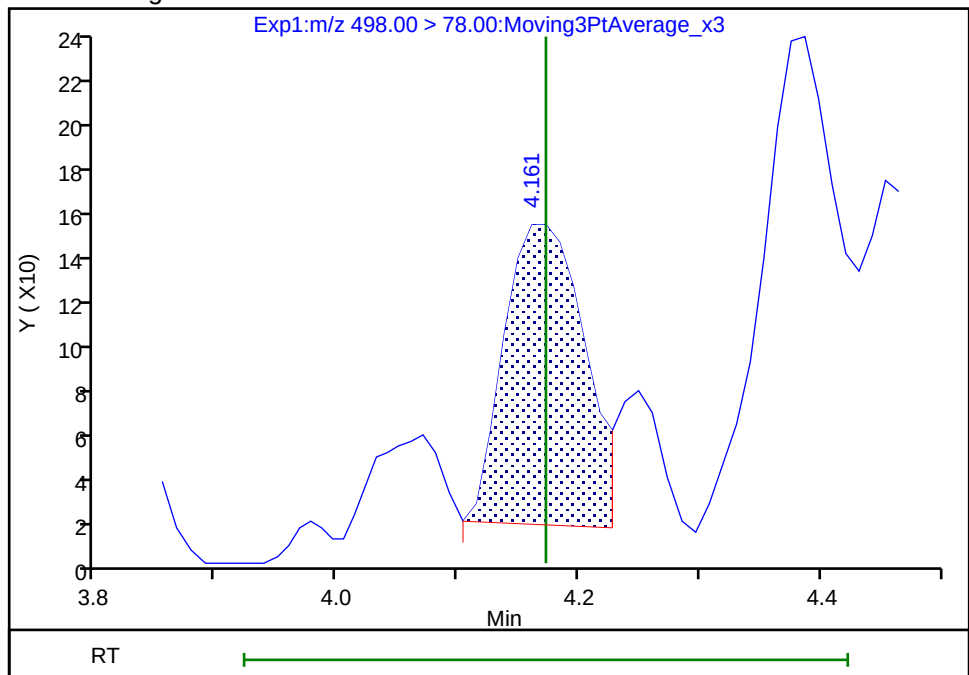
Not Detected
Expected RT: 4.17

Processing Integration Results



Manual Integration Results

RT: 4.16
Area: 620
Amount: 0.000471
Amount Units: ng/ml



Reviewer: khanphomeea, 10-Aug-2022 08:58:17

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

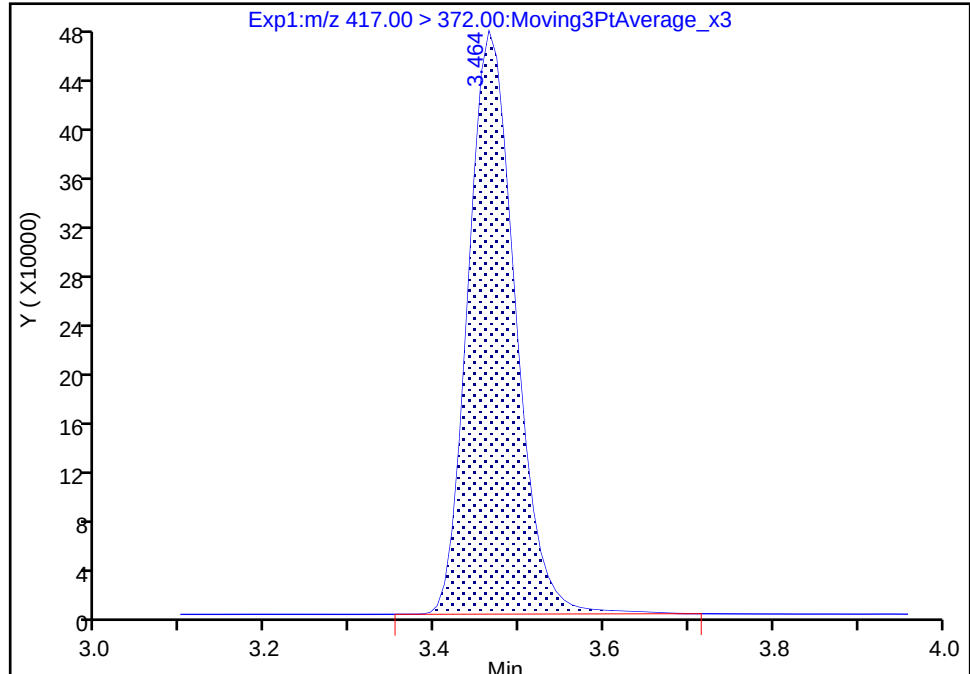
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A04.d
Injection Date: 09-Aug-2022 16:15:45 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 14 13C4 PFOA, CAS: STL00990

Signal: 1

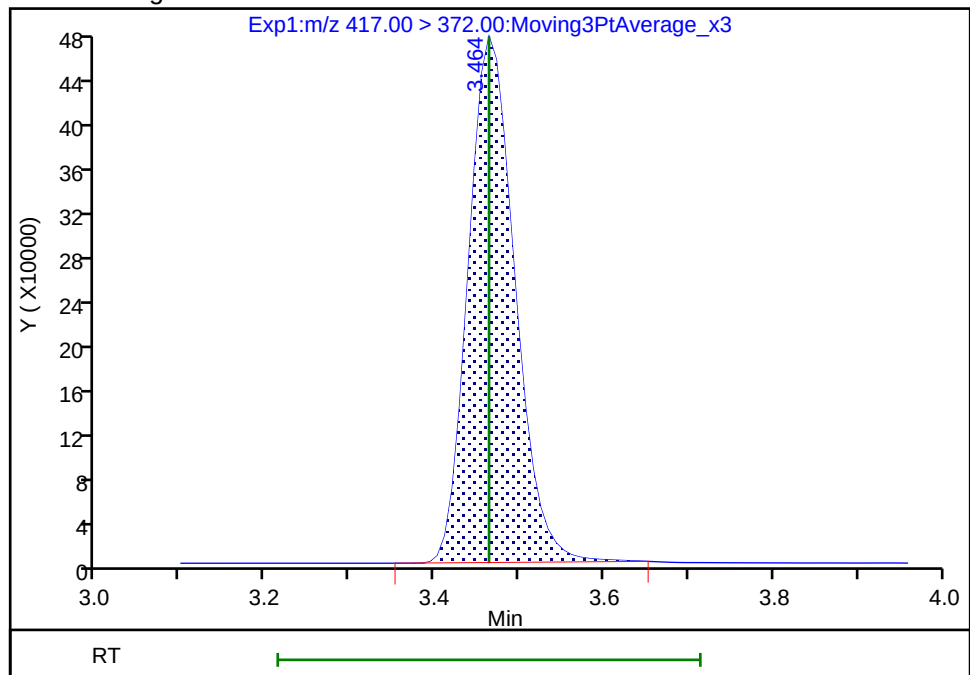
RT: 3.46
Area: 1836043
Amount: 1.215051
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 1823488
Amount: 1.206743
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:33:10
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1281 of 1695

08/18/2022

Eurofins Burlington

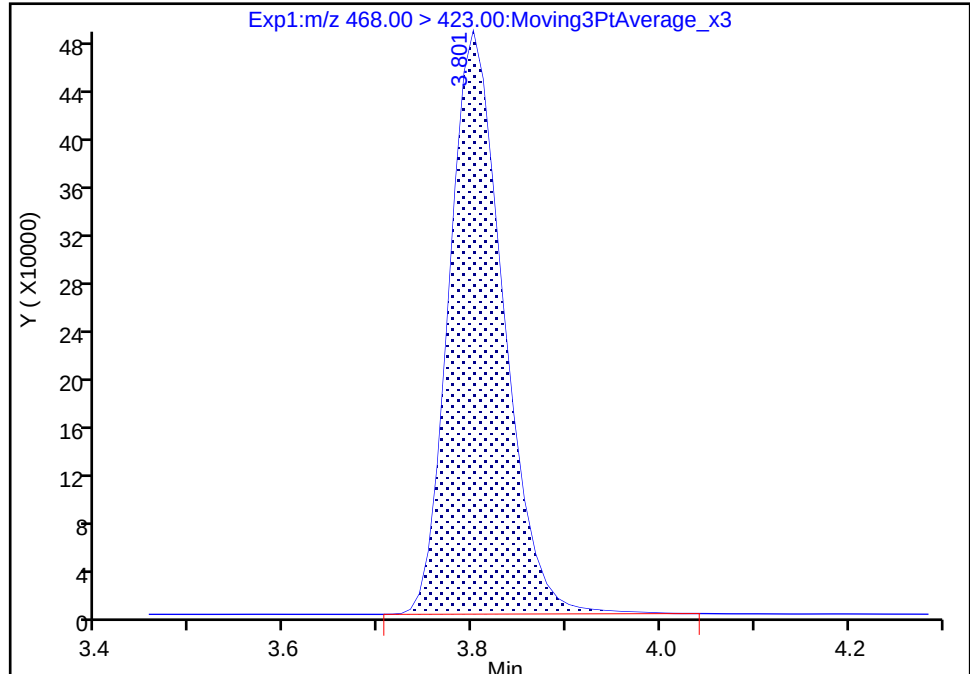
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A04.d
Injection Date: 09-Aug-2022 16:15:45 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 19 13C5 PFNA, CAS: STL00995

Signal: 1

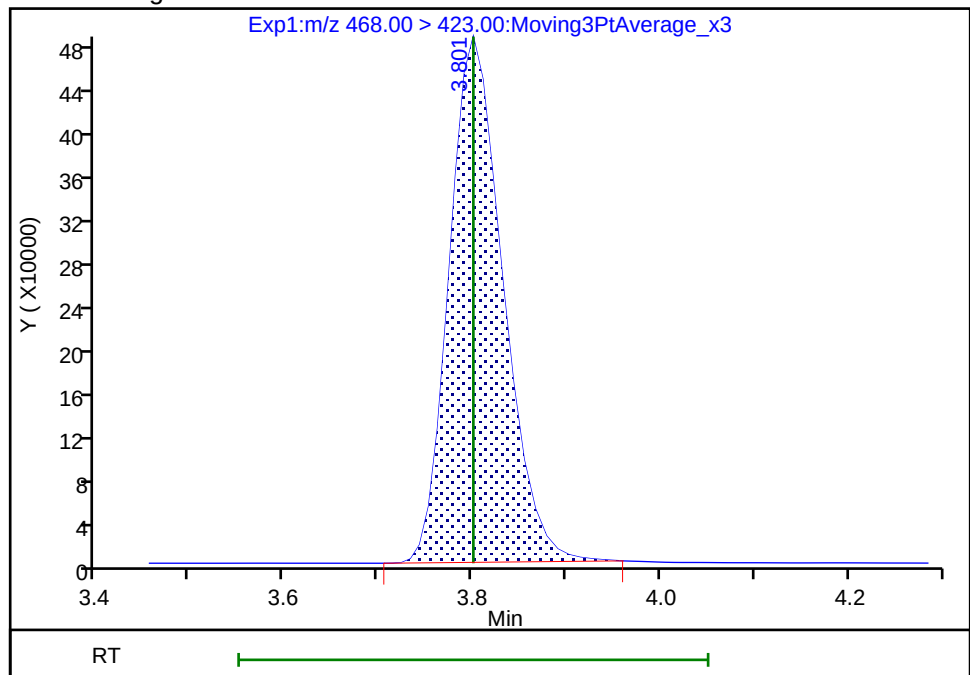
RT: 3.80
Area: 1938968
Amount: 1.235978
Amount Units: ng/ml

Processing Integration Results



RT: 3.80
Area: 1923403
Amount: 1.226056
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:33:23

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

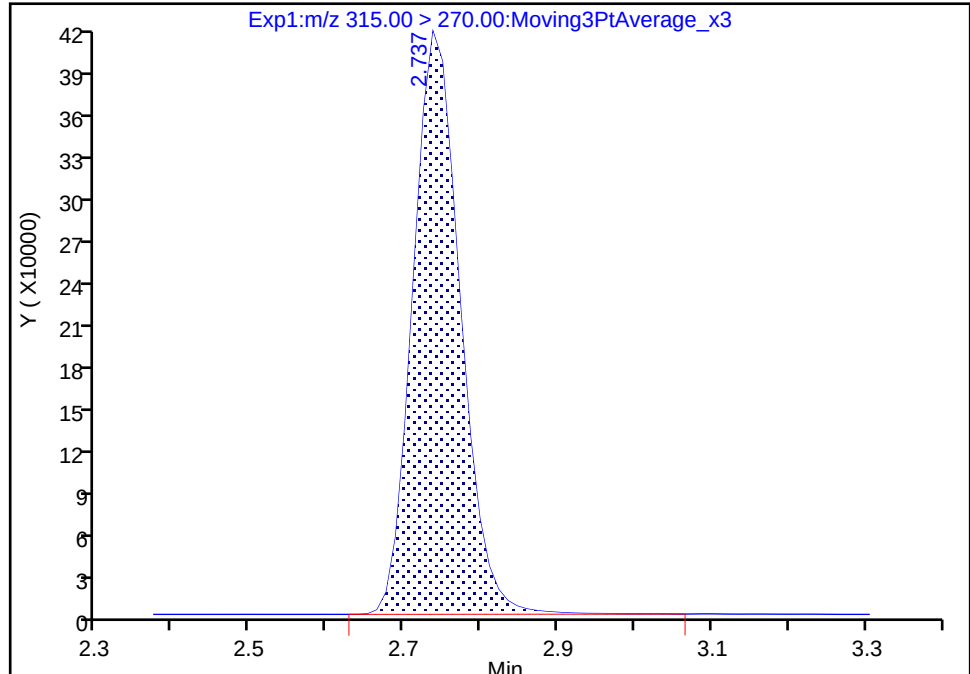
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A04.d
Injection Date: 09-Aug-2022 16:15:45 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 7 13C2 PFHxA, CAS: STL00993

Signal: 1

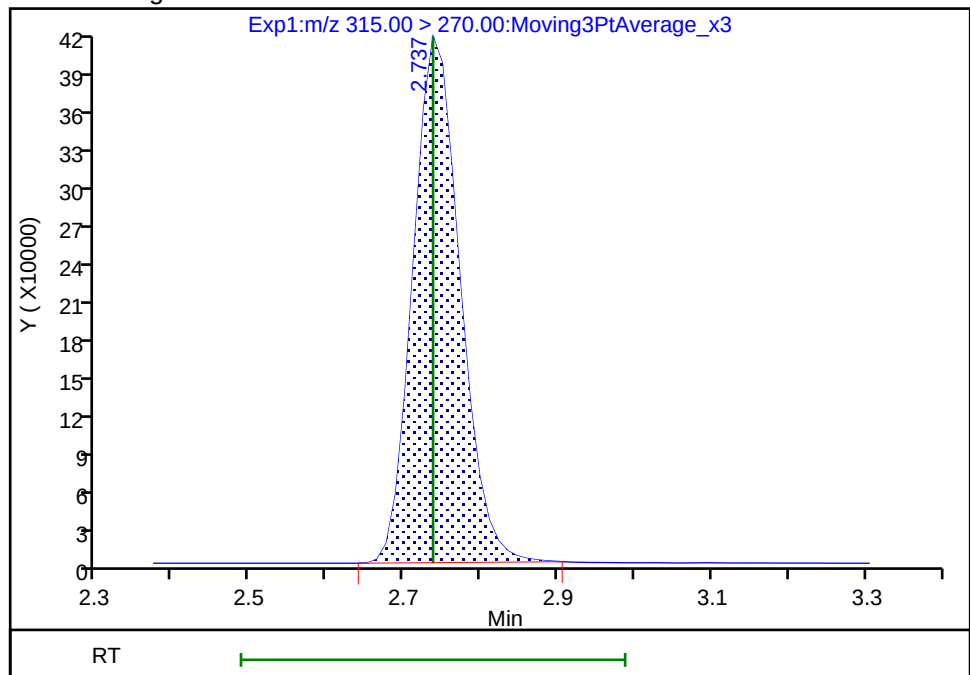
RT: 2.74
Area: 1775071
Amount: 1.248531
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 1763365
Amount: 1.240298
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:32:25
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

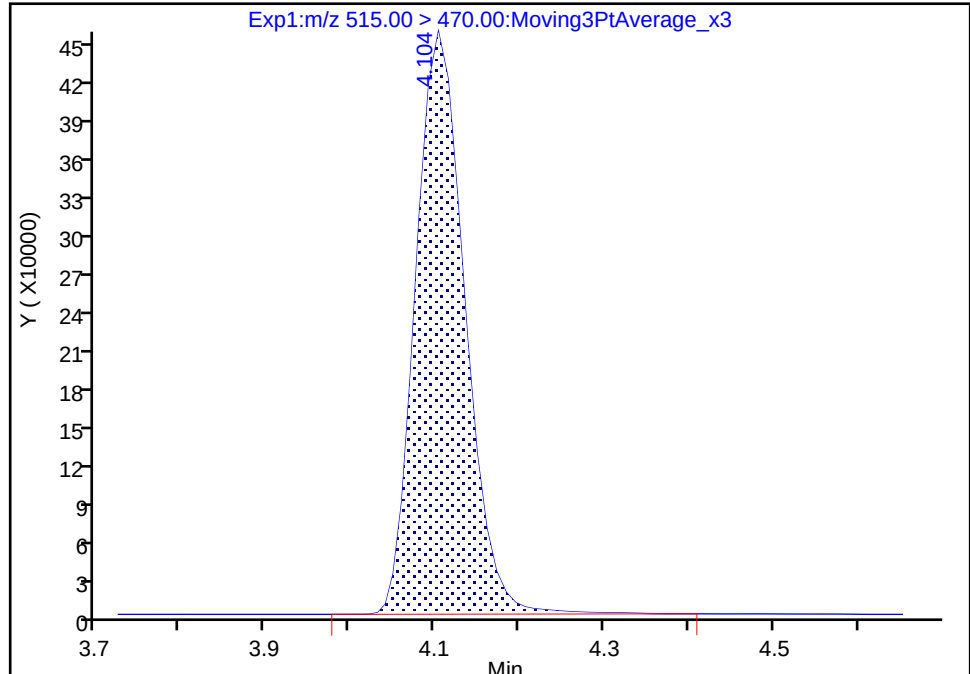
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A04.d
Injection Date: 09-Aug-2022 16:15:45 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 23 13C2 PFDA, CAS: STL00996

Signal: 1

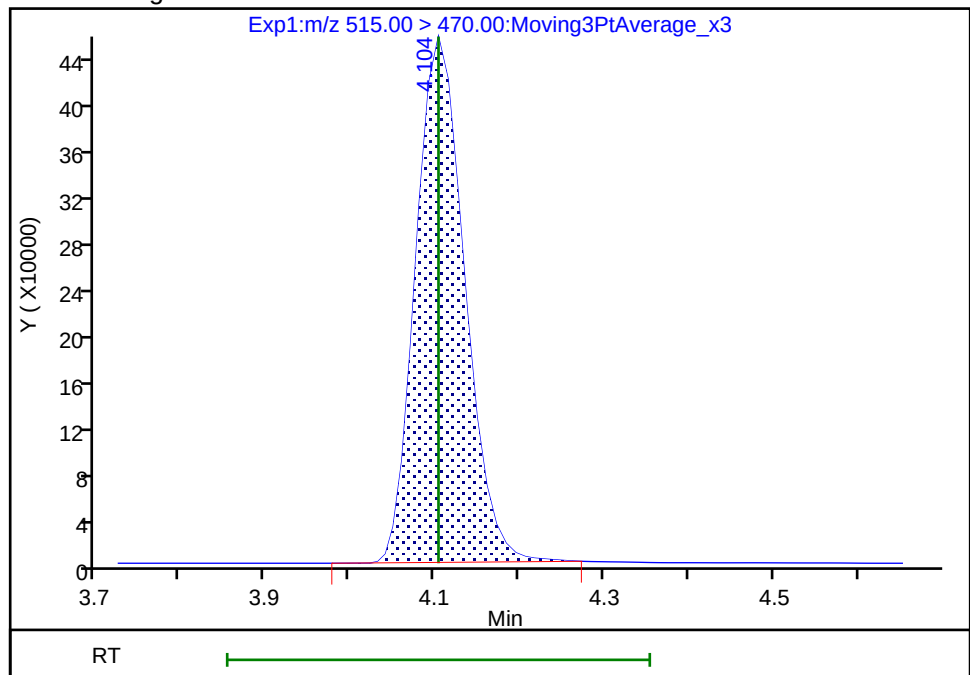
RT: 4.10
Area: 1823663
Amount: 1.194447
Amount Units: ng/ml

Processing Integration Results



RT: 4.10
Area: 1807507
Amount: 1.183866
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:33:29
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

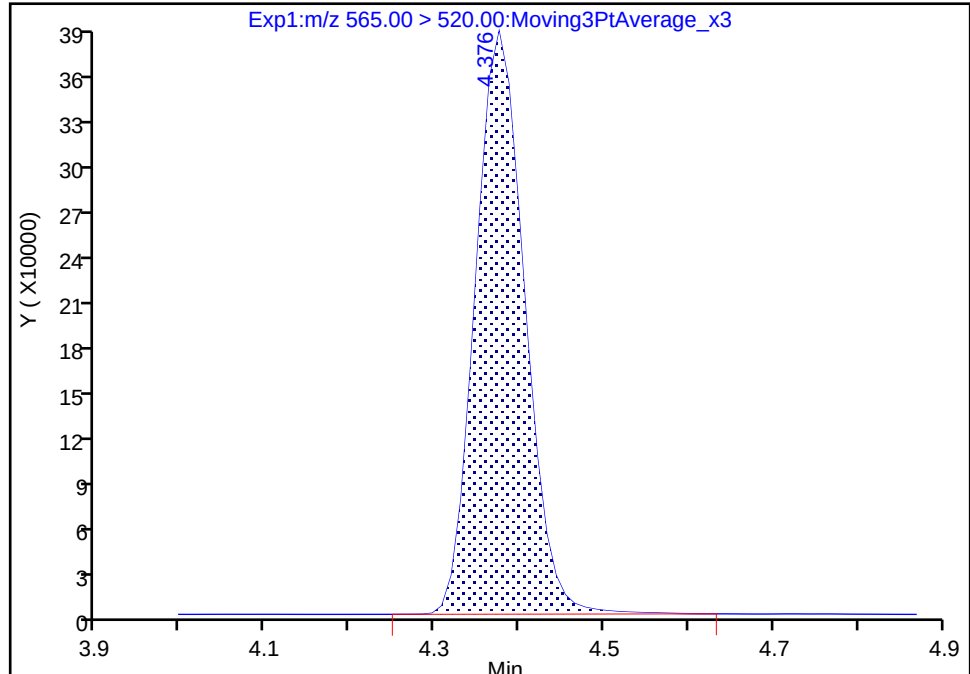
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A04.d
Injection Date: 09-Aug-2022 16:15:45 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

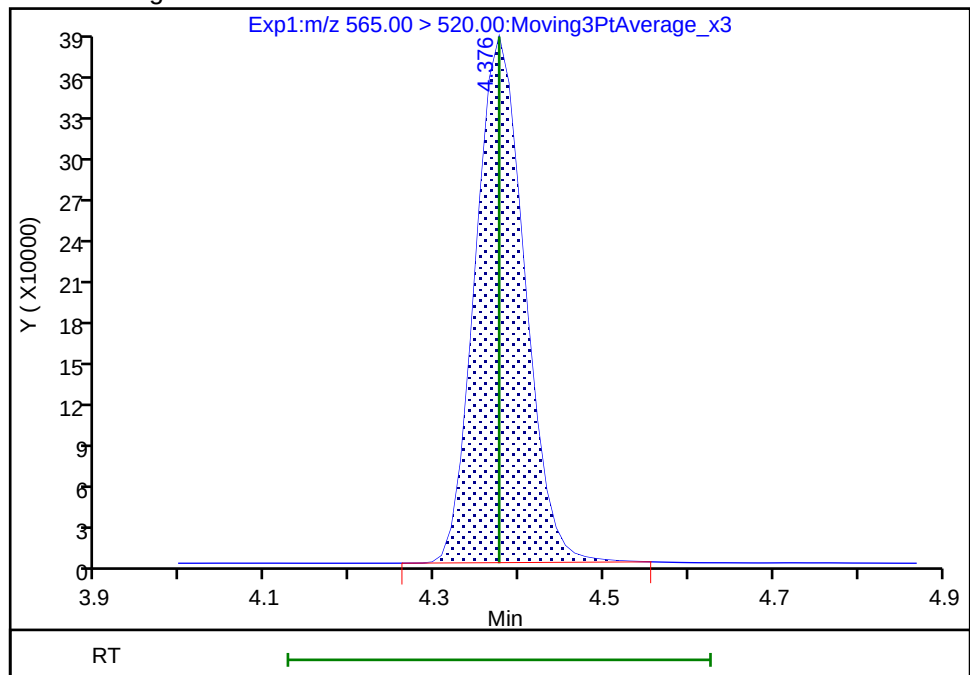
RT: 4.38
Area: 1551271
Amount: 1.340991
Amount Units: ng/ml

Processing Integration Results



RT: 4.38
Area: 1543291
Amount: 1.334093
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:33:50
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1285 of 1695

08/18/2022

Eurofins Burlington

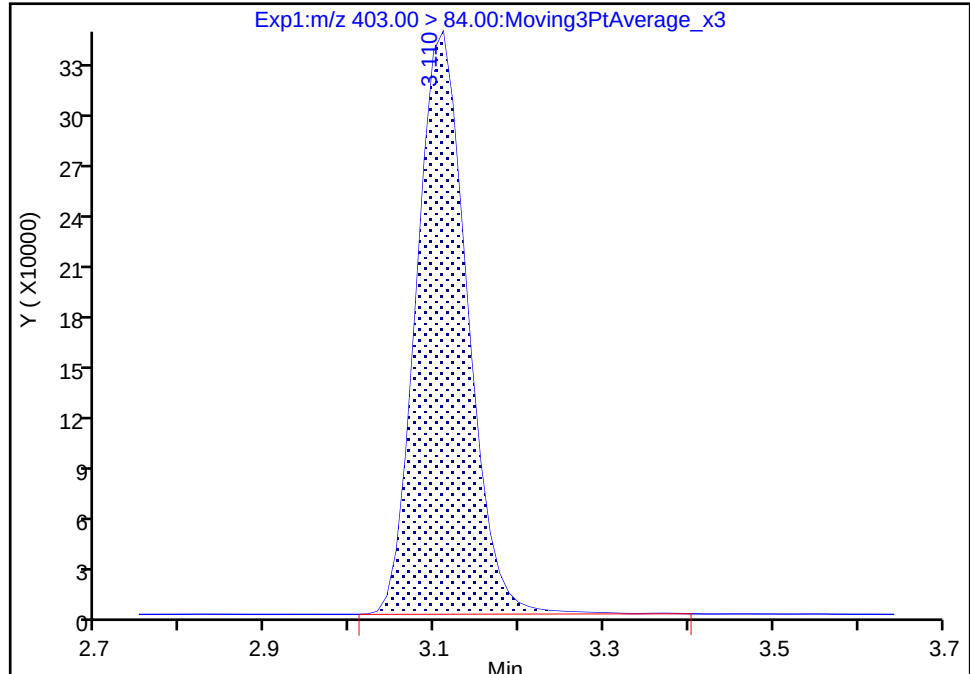
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A04.d
Injection Date: 09-Aug-2022 16:15:45 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 11 18O2 PFHxS, CAS: STL00994

Signal: 1

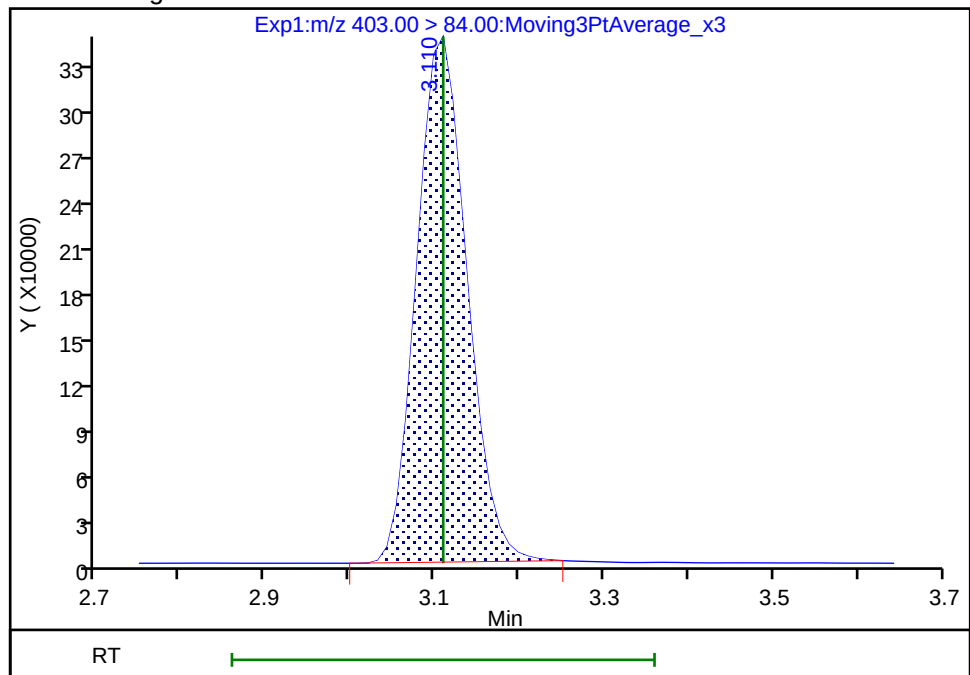
RT: 3.11
Area: 1425570
Amount: 1.230147
Amount Units: ng/ml

Processing Integration Results



RT: 3.11
Area: 1410002
Amount: 1.216714
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:32:34
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1286 of 1695

08/18/2022

Eurofins Burlington

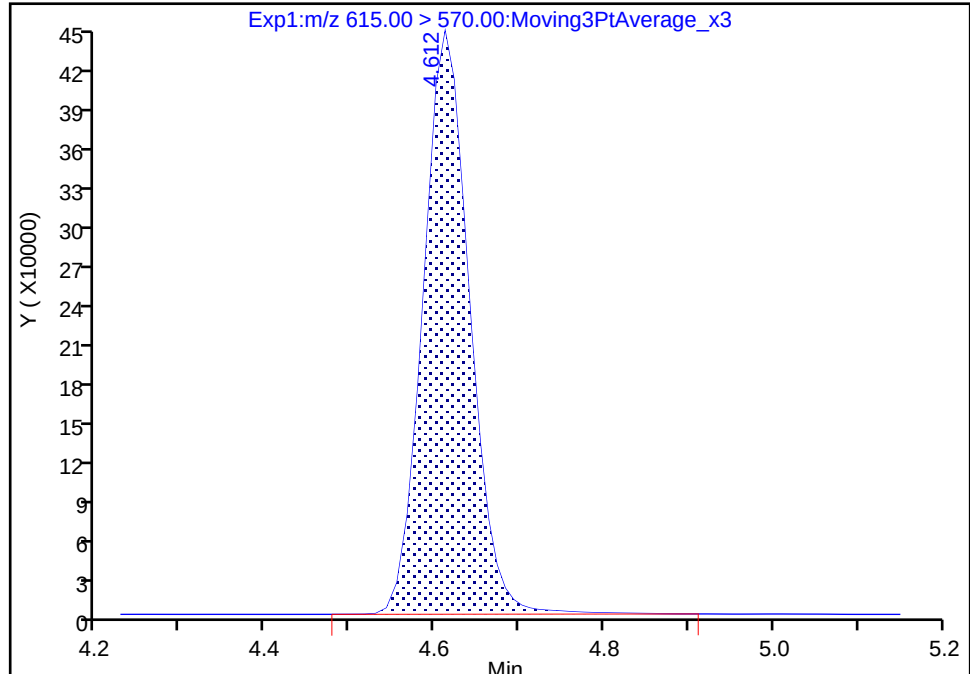
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A04.d
Injection Date: 09-Aug-2022 16:15:45 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 36 13C2 PFD_oA, CAS: STL00998

Signal: 1

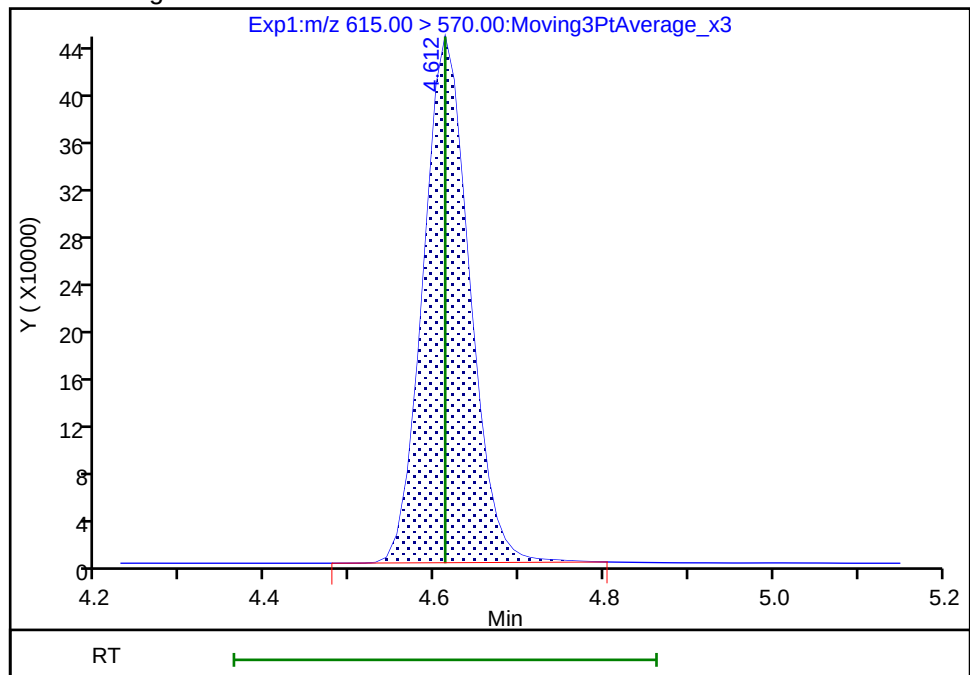
RT: 4.61
Area: 1703213
Amount: 1.420844
Amount Units: ng/ml

Processing Integration Results



RT: 4.61
Area: 1693149
Amount: 1.412448
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:33:58

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

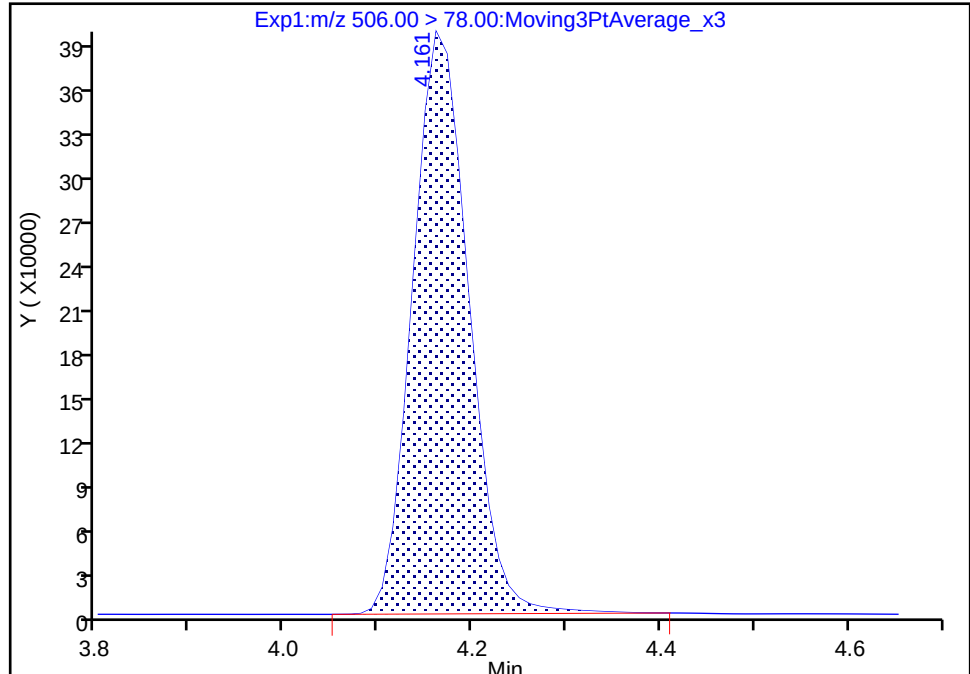
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A04.d
Injection Date: 09-Aug-2022 16:15:45 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

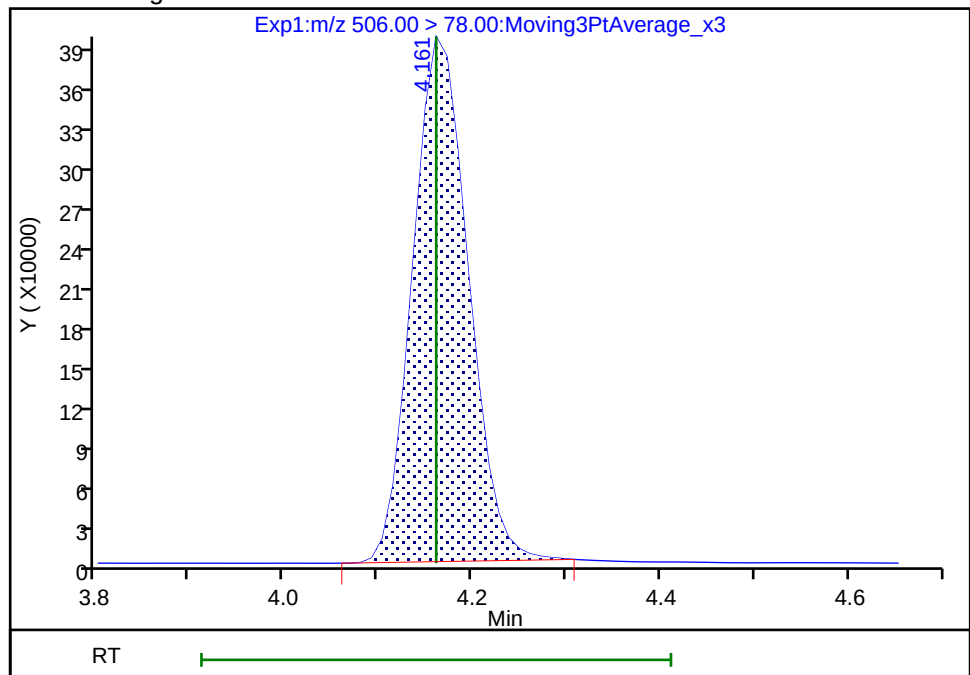
RT: 4.16
Area: 1636493
Amount: 1.224664
Amount Units: ng/ml

Processing Integration Results



RT: 4.16
Area: 1615535
Amount: 1.208980
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:33:40

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

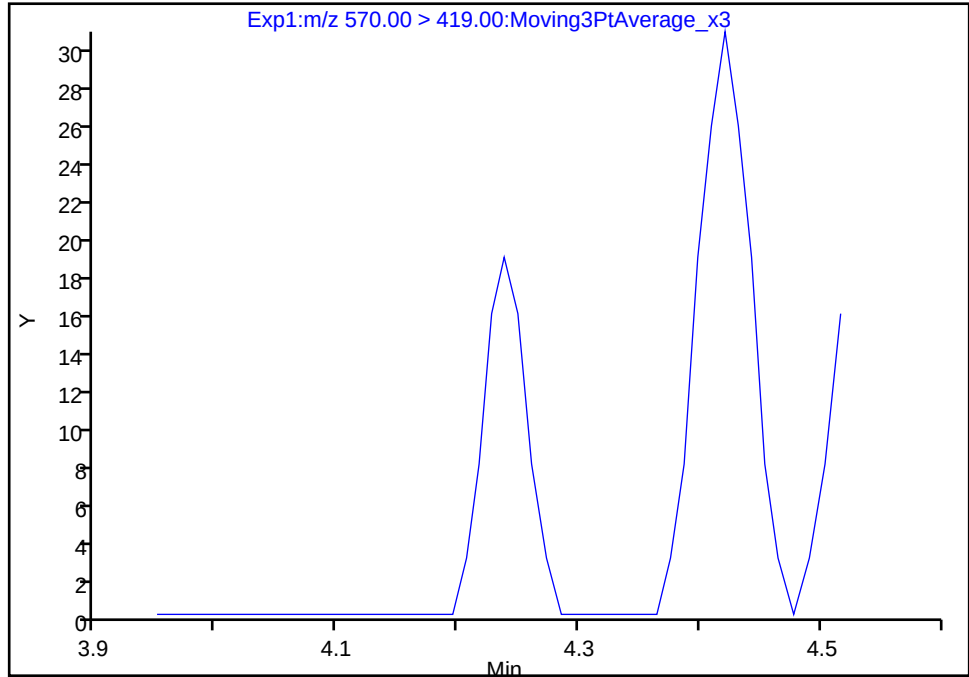
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A04.d
Injection Date: 09-Aug-2022 16:15:45 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

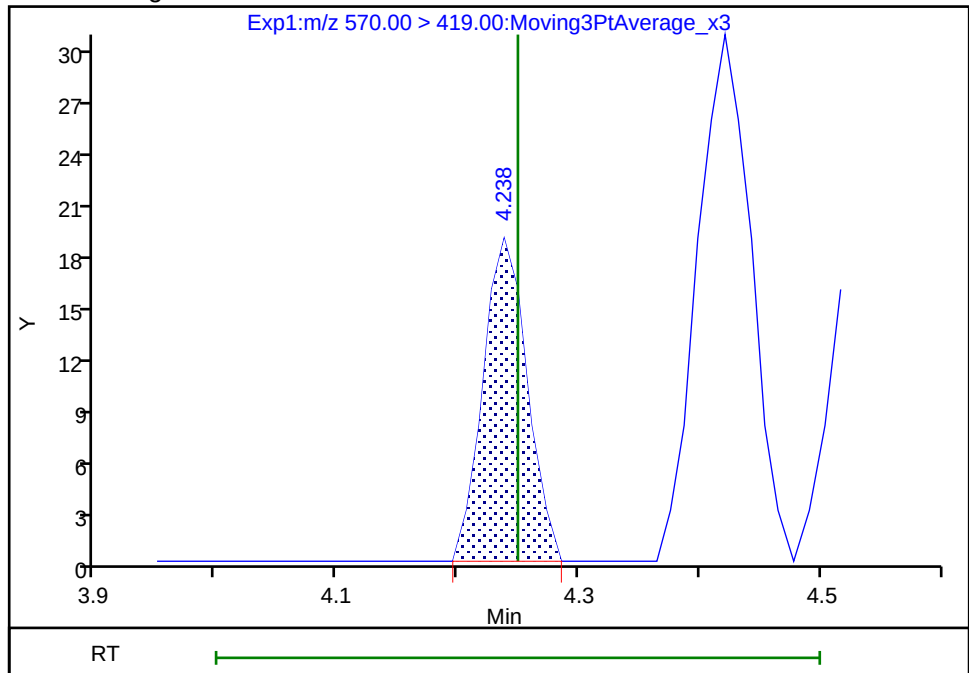
Signal: 1

Not Detected
Expected RT: 4.25

Processing Integration Results



Manual Integration Results



RT: 4.24
Area: 48
Amount: 0.000290
Amount Units: ng/ml

Reviewer: khanphomeea, 10-Aug-2022 08:58:23

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A04.d

Injection Date: 09-Aug-2022 16:15:45

Instrument ID: LC812

Lims ID: CCB

Client ID:

Operator ID: lc812tech

ALS Bottle#:

1

Worklist Smp#: 4

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

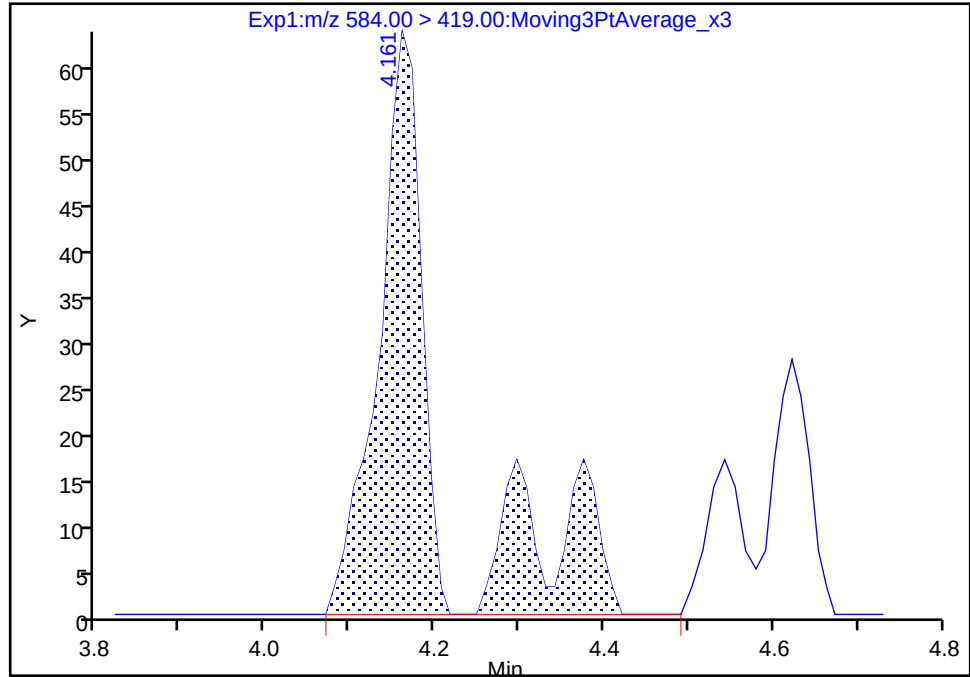
Detector: EXP1

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

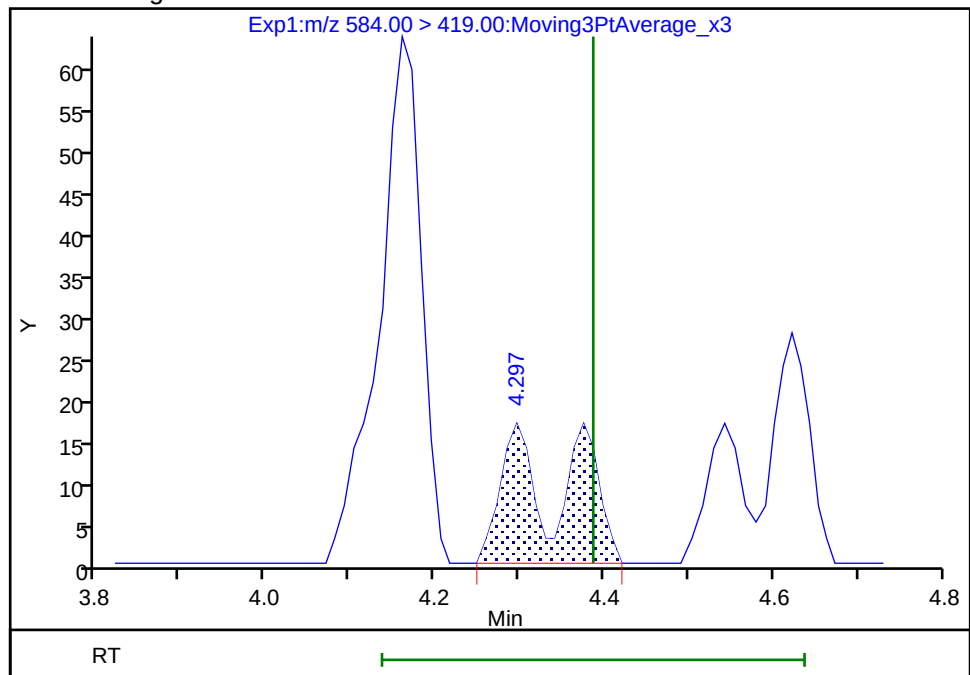
RT: 4.16
Area: 311
Amount: 0.001892
Amount Units: ng/ml

Processing Integration Results



RT: 4.30
Area: 89
Amount: 0.000541
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 08:58:37

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

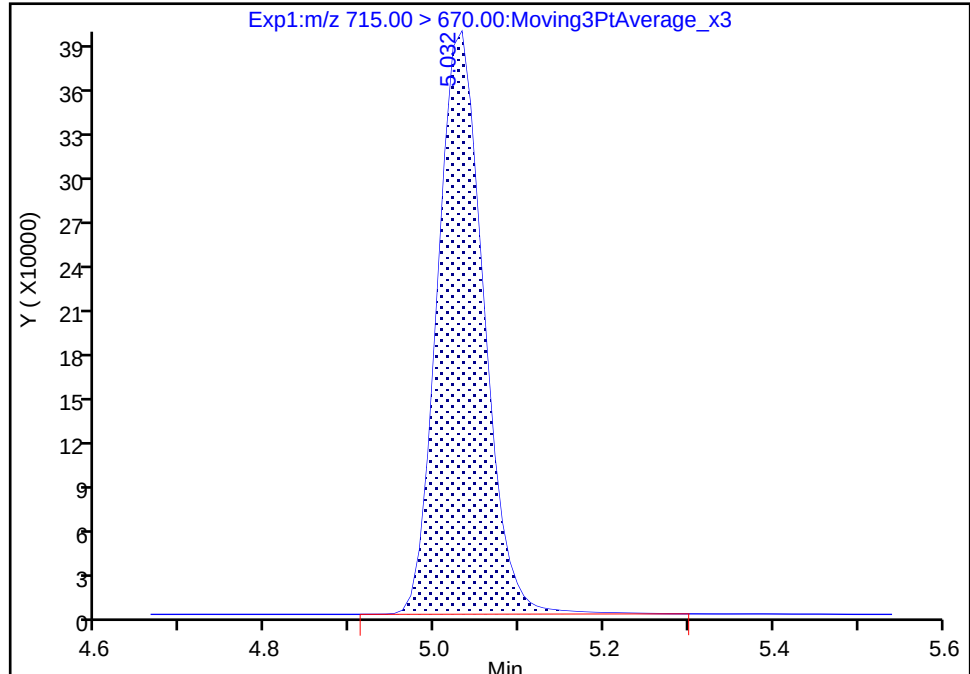
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A04.d
Injection Date: 09-Aug-2022 16:15:45 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

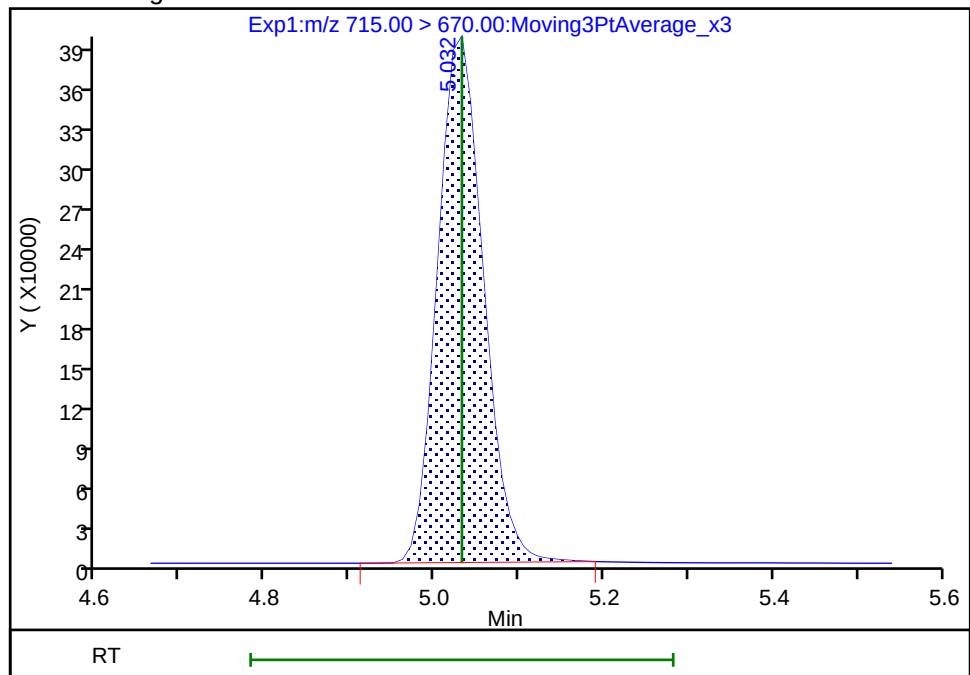
RT: 5.03
Area: 1493704
Amount: 1.524296
Amount Units: ng/ml

Processing Integration Results



RT: 5.03
Area: 1482862
Amount: 1.513232
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:34:06
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1291 of 1695

08/18/2022

Eurofins Burlington

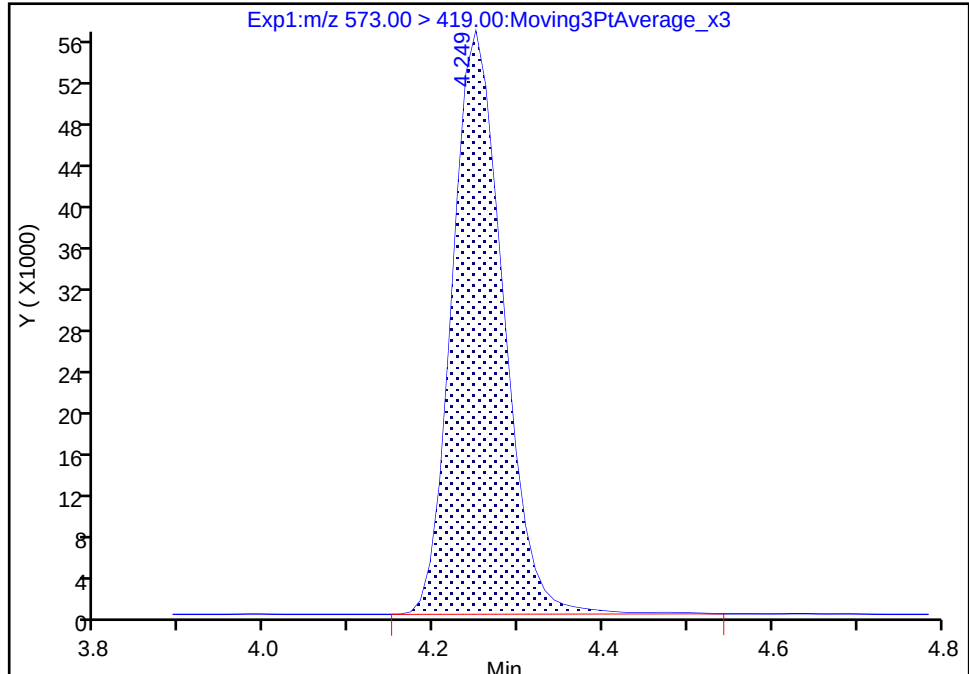
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A04.d
Injection Date: 09-Aug-2022 16:15:45 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

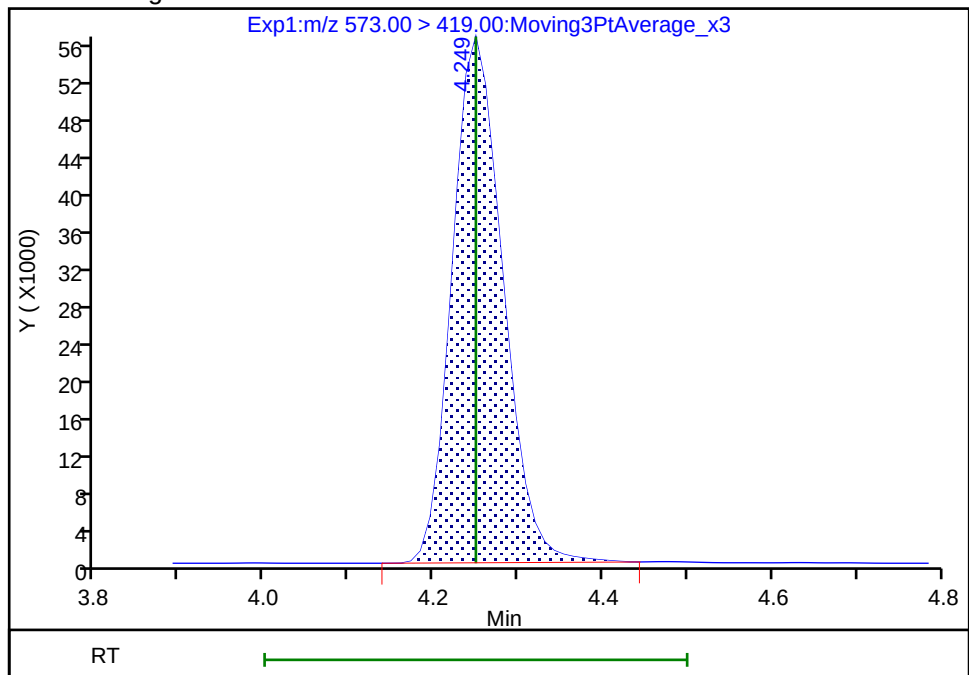
RT: 4.25
Area: 234733
Amount: 1.147069
Amount Units: ng/ml

Processing Integration Results



RT: 4.25
Area: 233357
Amount: 1.140345
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:33:45
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

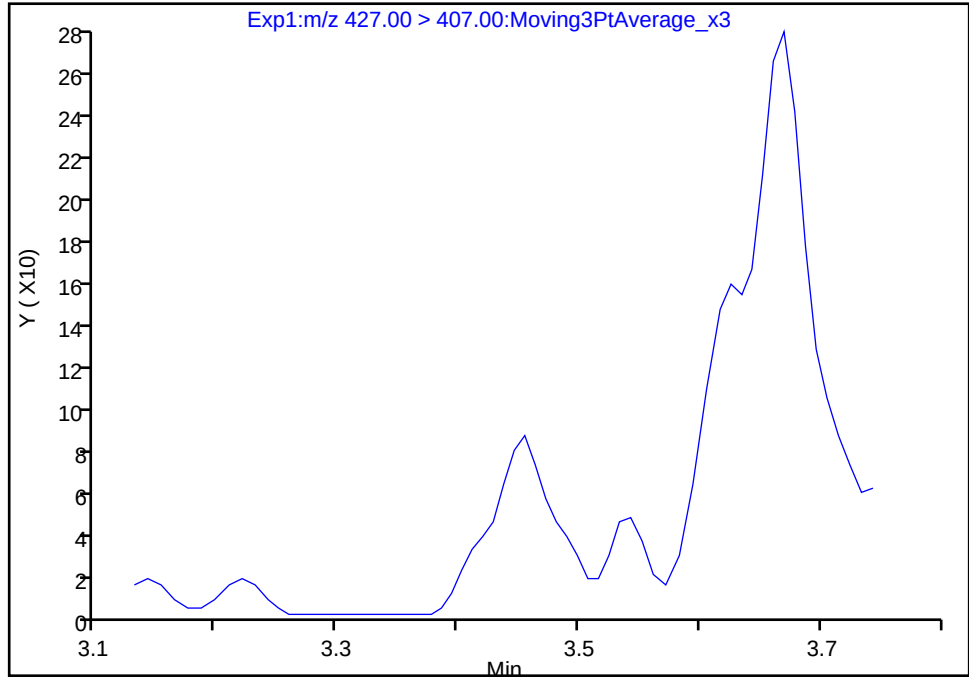
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A04.d
Injection Date: 09-Aug-2022 16:15:45 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

13 1H,1H,2H,2H-perfluorooctanesulfo, CAS: 27619-97-2

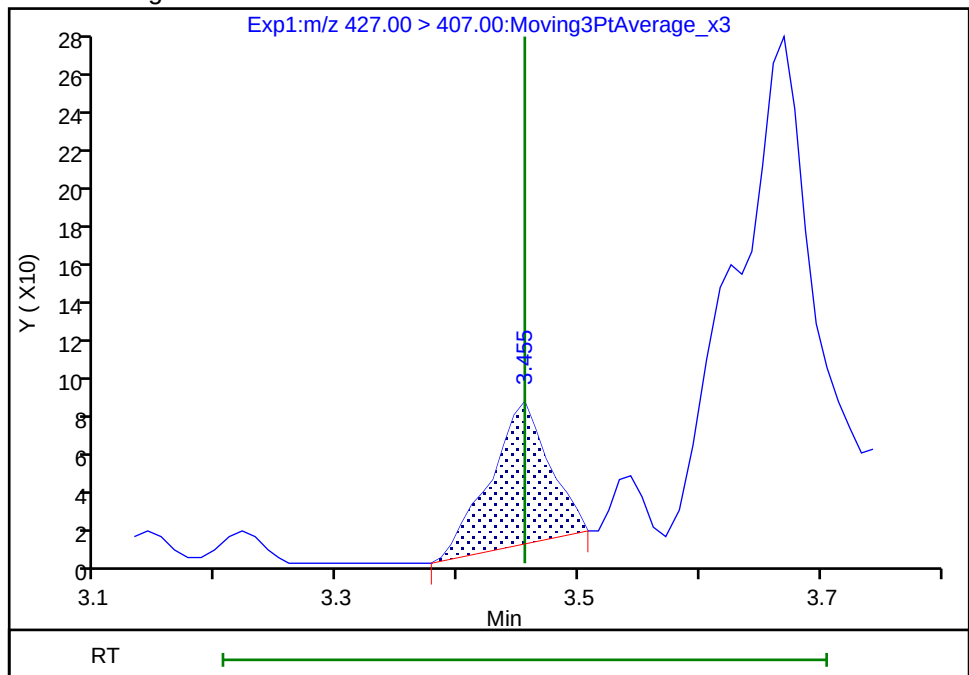
Signal: 1

Not Detected
Expected RT: 3.46

Processing Integration Results



Manual Integration Results



RT: 3.46
Area: 254
Amount: -0.015874
Amount Units: ng/ml

Reviewer: khanphomeea, 10-Aug-2022 08:56:44

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

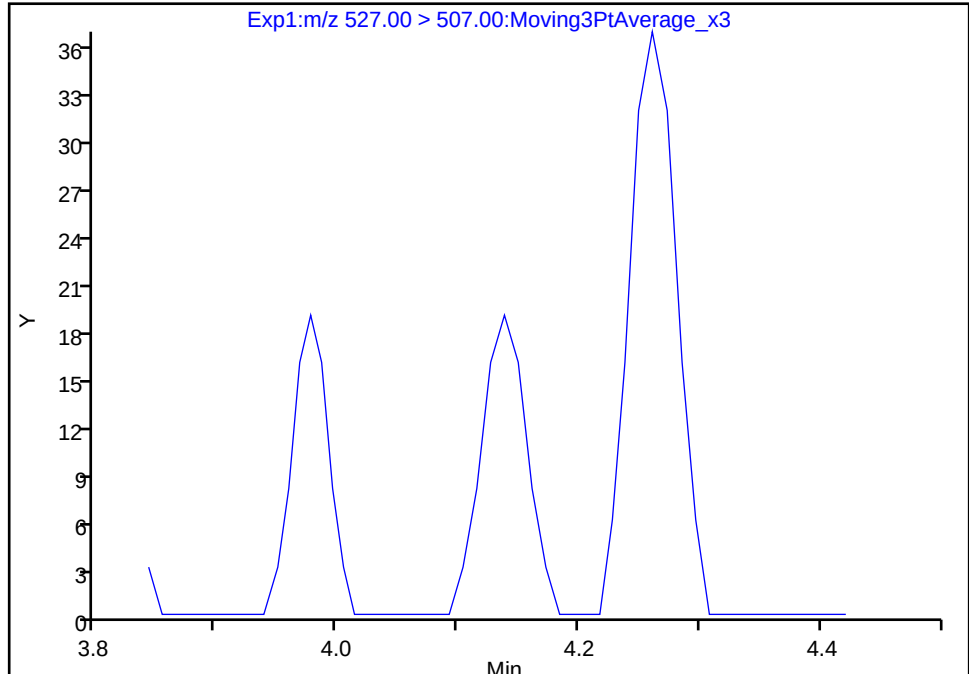
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A04.d
Injection Date: 09-Aug-2022 16:15:45 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

25 1H,1H,2H,2H-perfluorodecanesulfo, CAS: 39108-34-4

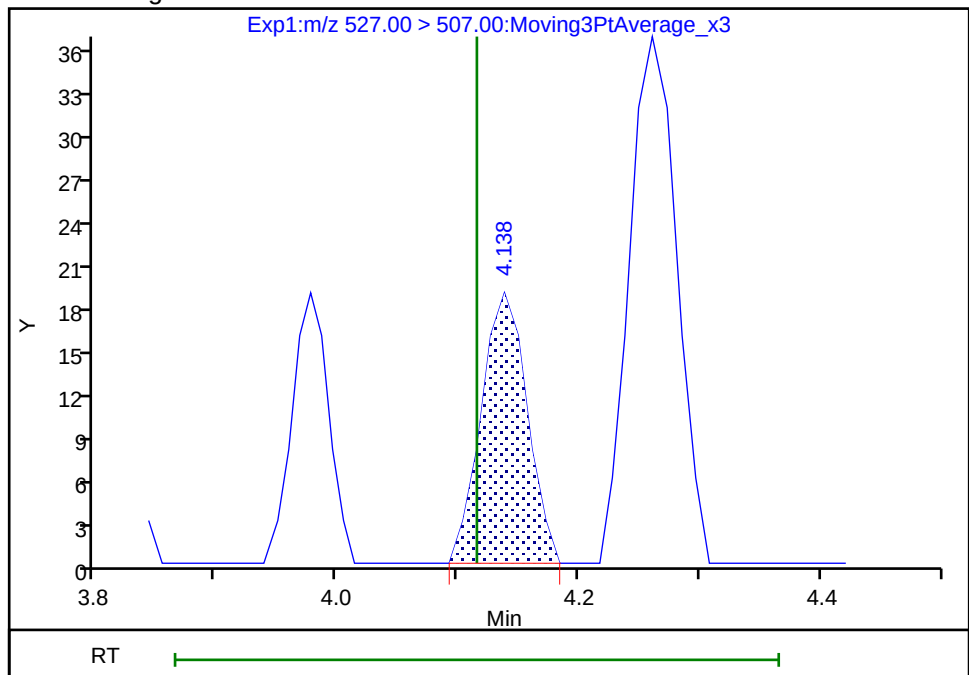
Signal: 1

Not Detected
Expected RT: 4.12

Processing Integration Results



Manual Integration Results



RT: 4.14
Area: 50
Amount: 0.000221
Amount Units: ng/ml

Reviewer: khanphomeea, 10-Aug-2022 08:58:09

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

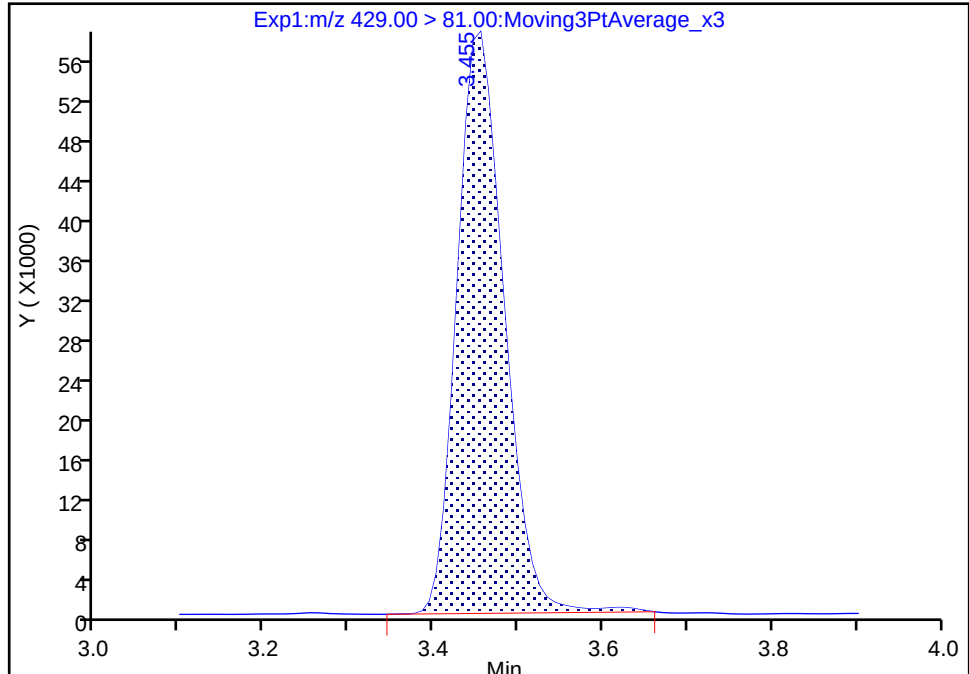
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A04.d
Injection Date: 09-Aug-2022 16:15:45 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 12 M2-6:2 FTS, CAS: STL02279

Signal: 1

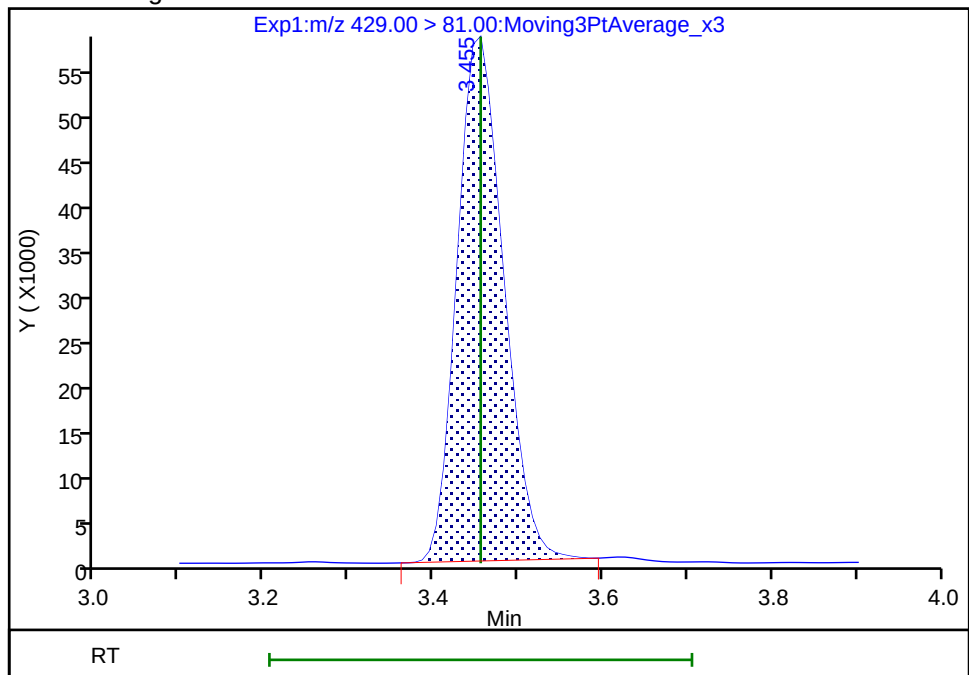
RT: 3.46
Area: 225367
Amount: 1.161922
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 221472
Amount: 1.141840
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 08:54:36

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

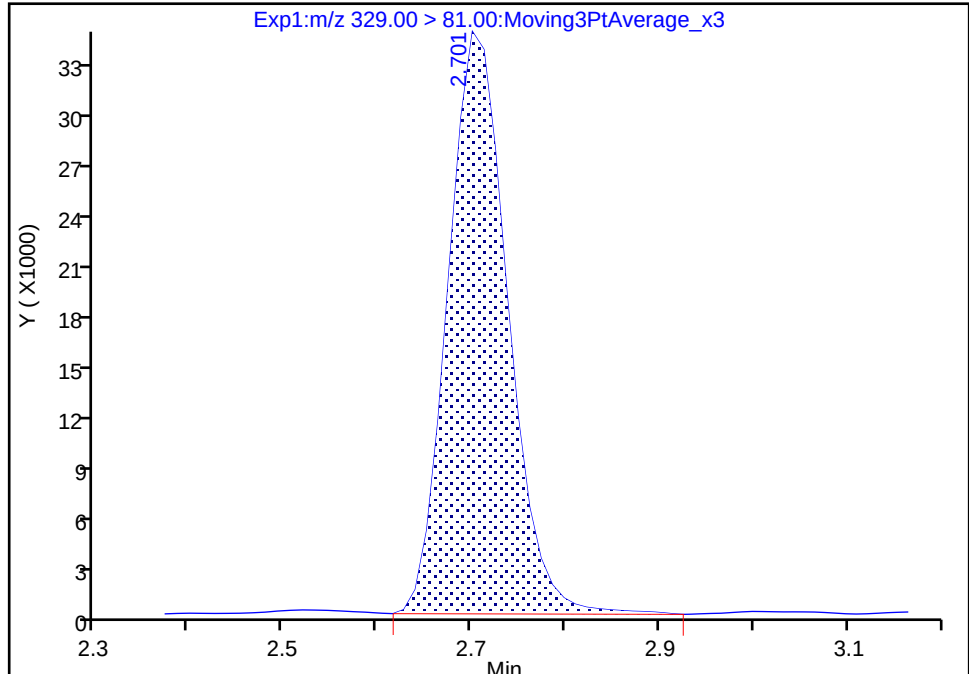
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A04.d
Injection Date: 09-Aug-2022 16:15:45 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 60 M2-4:2 FTS, CAS: STL02395

Signal: 1

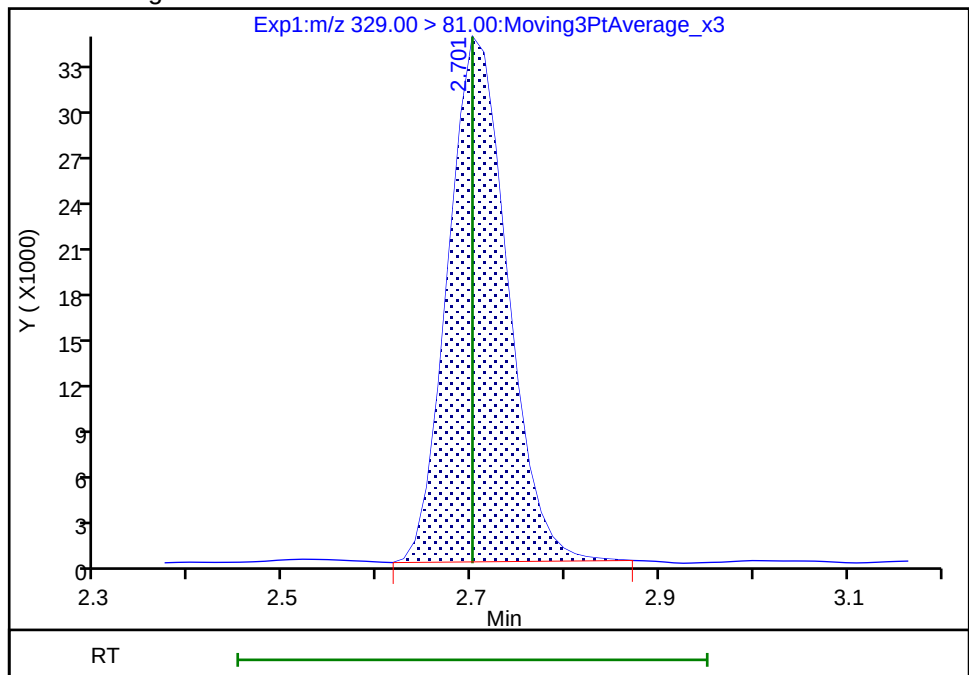
RT: 2.70
Area: 149973
Amount: 1.057256
Amount Units: ng/ml

Processing Integration Results



RT: 2.70
Area: 148346
Amount: 1.045786
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:32:18
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1296 of 1695

08/18/2022

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-263208-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: CCB 200-182581/5

Matrix: Solid Lab File ID: PA220811A05.d

Analysis Method: 537 (modified) Date Collected: _____

Extraction Method: _____ Date Extracted: _____

Sample wt/vol: 1(mL) Date Analyzed: 08/11/2022 14:34

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.: 182581 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.: 460-263208-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: CCB 200-182581/5
 Matrix: Solid Lab File ID: PA220811A05.d
 Analysis Method: 537 (modified) Date Collected: _____
 Extraction Method: _____ Date Extracted: _____
 Sample wt/vol: 1 (mL) Date Analyzed: 08/11/2022 14:34
 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.: 182581 Units: ng/mL

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL01892	13C4 PFHpA	93		50-150
STL00990	13C4 PFOA	96		50-150
STL00995	13C5 PFNA	98		50-150
STL00992	13C4 PFBA	93		50-150
STL00993	13C2 PFHxA	98		50-150
STL00996	13C2 PFDA	98		50-150
STL00997	13C2 PFUnA	99		50-150
STL00994	18O2 PFHxS	97		50-150
STL00998	13C2 PFDoA	104		50-150
STL00991	13C4 PFOS	95		50-150
STL01056	13C8 FOSA	97		50-150
STL01893	13C5 PFPeA	93		50-150
STL02116	13C2 PFTeDA	115		50-150
STL02118	d3-NMeFOSAA	95		50-150
STL02117	d5-NEtFOSAA	98		50-150
STL02279	M2-6:2 FTS	99		50-150
STL02337	13C3 PFBS	95		50-150
STL02280	M2-8:2 FTS	105		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A05.d
 Lims ID: CCB
 Client ID:
 Sample Type: CCB
 Inject. Date: 11-Aug-2022 14:34:04 ALS Bottle#: 3 Worklist Smp#: 5
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: CCB
 Misc. Info.: 200-0052039-005 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 12-Aug-2022 09:26:51 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: CTX1609

First Level Reviewer: khanphomeea

Date: 12-Aug-2022 08:58:05

Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.085	2.076	0.009	0.603	2239339	1.16		92.8	14718	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.094	2.076	0.018	1.004	12521	0.007208			1.3	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.387	2.386	0.001	0.691	1721134	1.16		92.7	3336	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.387	2.386	0.001	1.000	9733	0.006857			0.4	M
D 47 13C3 PFBS										
301.90 > 80.00	2.413	2.400	0.013	0.698	1898452	1.10		95.0	288796	
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.413	2.413	0.0	1.000	6581	0.003651	Target=2.23		6.5	
298.90 > 99.00	2.413	2.413	0.0	1.000	3954		1.66(1.11-3.34)		3.5	
D 60 M2-4:2 FTS										
329.00 > 81.00	2.701	2.701	0.0	0.781	156777	1.06		90.7	205	
61 1H,1H,2H,2H-perfluorohexanesulfo										M
327.00 > 307.00	2.701	2.701	0.0	1.000	1756	0.005502			21.1	M
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.738	2.737	0.001	1.000	8099	0.005351	Target=12.24		2.0	M
313.00 > 119.00	2.750	2.737	0.013	1.004	979		8.27(6.12-18.36)		1.6	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.738	2.737	0.001	0.792	1813249	1.22		97.8	2799	
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.738	2.737	0.001	0.883	4827	0.003183	Target=2.95		6.4	M
349.00 > 99.00	2.750	2.737	0.013	0.887	2396		2.01(1.48-4.43)		8.6	M
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.847	2.847	0.0	0.824	323843	1.16		92.8	1801	

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	2.847	0.012	1.004	926	0.003326		16.7		M
D 11 18O2 PFHxS										
403.00 > 84.00	3.099	3.098	0.001	0.897	1383152	1.14		96.8	2170	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.099	3.098	0.001	1.000	7698	0.005967	Target=3.43	24.3		M
399.00 > 99.00	3.110	3.098	0.012	1.004	2585		2.98(1.72-5.15)	3.9		M
D 9 13C4 PFHpA										
367.00 > 322.00	3.110	3.098	0.012	0.900	1779837	1.16		92.6	2032	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.110	3.110	0.0	1.000	6541	0.004457	Target=3.73	2.3		M
363.00 > 169.00	3.121	3.110	0.011	1.004	2367		2.76(1.86-5.59)	5.0		M
77 DONA										M
377.00 > 251.00	3.143	3.143	0.0	0.833	12899	0.003662	Target=2.84	33.0		M
377.00 > 85.00	3.154	3.143	0.011	0.836	3974		3.25(1.42-4.26)	7.3		M
D 12 M2-6:2 FTS										M
429.00 > 81.00	3.448	3.447	0.001	0.997	237315	1.17		98.8	414	M
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.439	3.447	-0.008	0.997	940	-0.0136		4.6		M
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.448	3.447	0.001	0.914	3865	0.003656	Target=4.89	16.4		M
449.00 > 99.00	3.456	3.447	0.009	0.916	584		6.62(2.44-7.33)	4.1		M
D 14 13C4 PFOA										M
417.00 > 372.00	3.456	3.456	0.0	1.000	1899215	1.20		96.4	1447	M
* 62 13C2 PFOA										
415.00 > 370.00	3.456	3.456	0.0		2068728	1.25		4482		
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.456	3.456	0.0	1.000	8059	0.004730	Target=2.67	1.0		M
413.00 > 169.00	3.465	3.456	0.009	1.003	2558		3.15(1.34-4.01)	8.3		M
D 18 13C4 PFOS										M
503.00 > 80.00	3.773	3.773	0.0	1.092	1022067	1.13		94.7	1873	M
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.792	3.773	0.019	1.005	5143	-0.0124	Target=4.88	4.0		M
499.00 > 99.00	3.773	3.773	0.0	1.000	1295		3.97(2.44-7.32)	6.6		M
20 Perfluorononanoic acid										M
463.00 > 419.00	3.792	3.792	0.0	1.000	8162	0.005005	Target=8.23	3.0		M
463.00 > 169.00	3.783	3.792	-0.009	0.997	721		11.32(4.11-12.34)	5.7		M
D 19 13C5 PFNA										M
468.00 > 423.00	3.792	3.792	0.0	1.097	2003342	1.22		97.9	1767	M
69 9-Chlorohexadecafluoro-3-oxanona										M
531.00 > 351.00	3.940	3.940	0.0	1.044	6562	0.004343		59.0		M
68 Perfluorononanesulfonic acid										M
549.00 > 80.00	4.071	4.060	0.011	1.079	3153	0.004708	Target=2.53	31.6		
549.00 > 99.00	4.071	4.060	0.011	1.079	1236		2.55(1.26-3.79)	10.0		M
D 23 13C2 PFDA										M
515.00 > 470.00	4.093	4.092	0.001	1.184	1951268	1.23		98.0	1470	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.093	4.092	0.001	1.000	8324	0.005070	Target=9.67	5.8		M
513.00 > 169.00	4.104	4.092	0.012	1.003	1676		4.97(4.83-14.50)	9.2		M
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.104	4.092	0.012	1.000	1253	0.005059		37.0		
D 26 M2-8:2 FTS										
529.00 > 81.00	4.104	4.104	0.0	1.187	307113	1.26		105	1297	
D 21 13C8 FOSA										M
506.00 > 78.00	4.161	4.150	0.011	1.204	1681793	1.21		96.5	1963	M
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.161	4.161	0.0	1.000	4660	0.003399		21.6		M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.238	4.238	0.0	1.226	254820	1.19		95.5	485	M
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.250	4.238	0.012	1.003	1166	0.006440		5.3		
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.342	4.330	0.012	1.151	2066	0.004146	Target=2.80	25.1		M
599.00 > 99.00	4.331	4.330	0.001	1.148	1256		1.64(1.40-4.20)	21.5		
D 30 13C2 PFUnA										M
565.00 > 520.00	4.365	4.364	0.001	1.263	1494254	1.24		99.1	1245	M
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.365	4.364	0.001	1.000	5191	0.004099	Target=9.07	4.9		M
563.00 > 169.00	4.365	4.364	0.001	1.000	580		8.95(4.54-13.61)	11.1		M
D 32 d5-NEtFOSAA										M
589.00 > 419.00	4.376	4.376	0.0	1.266	246553	1.22		97.6	1028	M
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.387	4.376	0.011	1.003	1569	0.008761		12.4		M
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.465	4.465	0.0	1.183	7800	0.003967		79.9		
D 36 13C2 PFDaA										
615.00 > 570.00	4.601	4.601	0.0	1.331	1622526	1.30		104	2606	
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.601	4.601	0.0	1.000	5216	0.003962	Target=6.97	0.8		
613.00 > 169.00	4.601	4.601	0.0	1.000	821		6.35(3.48-10.45)	15.3		M
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.633	4.622	0.011	1.129	458	0.003959		14.0		M
75 Perfluorododecanesulfonic acid (										M
699.00 > 80.00	4.785	4.776	0.009	1.268	448	0.002025	Target=0.52	9.4		
699.00 > 99.00	4.776	4.776	0.0	1.266	1649		0.27(0.26-0.79)	57.1		M
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.812	4.813	-0.001	1.046	5915	0.005184	Target=4.56	1.0		M
663.00 > 169.00	4.812	4.813	-0.001	1.046	1347		4.39(2.28-6.84)	25.1		M
D 43 13C2 PFTeDA										M
715.00 > 670.00	5.012	5.012	0.0	1.450	1465497	1.43		115	2218	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.022	5.012	0.010	1.002	1176	0.006261	Target=0.94	13.9		M
713.00 > 219.00	5.012	5.012	0.0	1.000	875		1.34(0.47-1.41)	14.9		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	5.377	5.366	0.011	1.556	1532447	1.32		105	1712	M
45 Perfluorohexadecanoic acid										
813.00 > 769.00	5.377	5.378	-0.001	1.000	17080	-0.005190	Target=4.38		4.3	
813.00 > 169.00	5.377	5.378	-0.001	1.000	4010		4.26(2.19-6.57)		62.2	
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.722	5.713	0.009	1.064	3585	0.004398	Target=4.31		1.3	M
913.00 > 169.00	5.713	5.713	0.0	1.062	641		5.59(2.16-6.47)		12.8	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PFAS32NCBLK20_00021

Amount Added: 100.00

Units: uL

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A05.d

Injection Date: 11-Aug-2022 14:34:04

Instrument ID: LC812

Lims ID: CCB

Client ID:

Operator ID: lc812tech

ALS Bottle#: 3

Worklist Smp#: 5

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

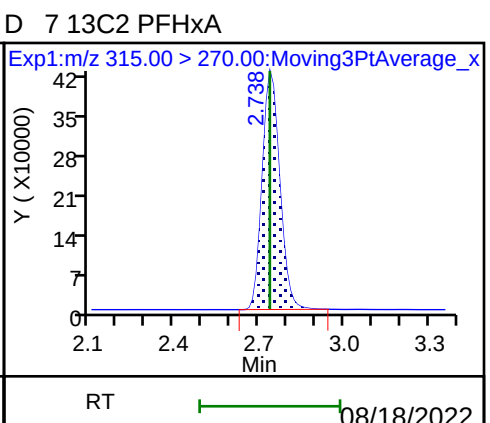
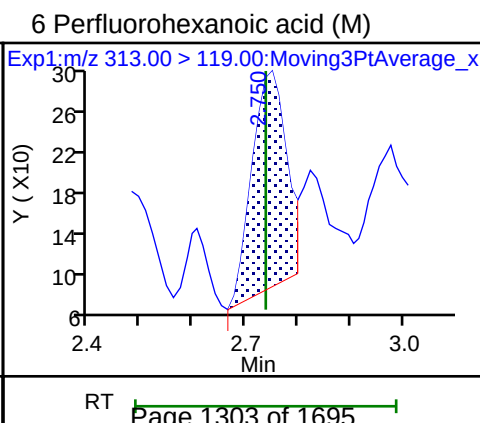
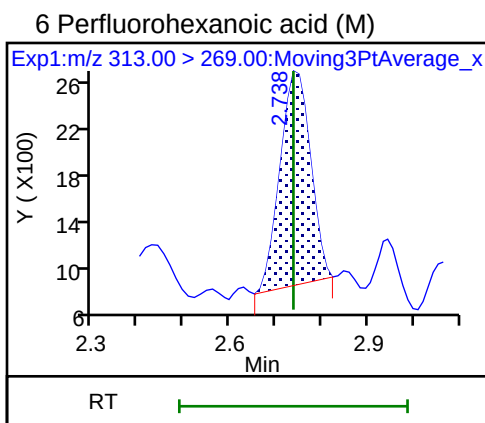
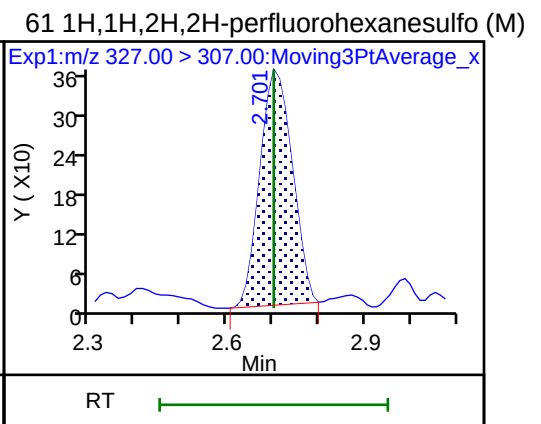
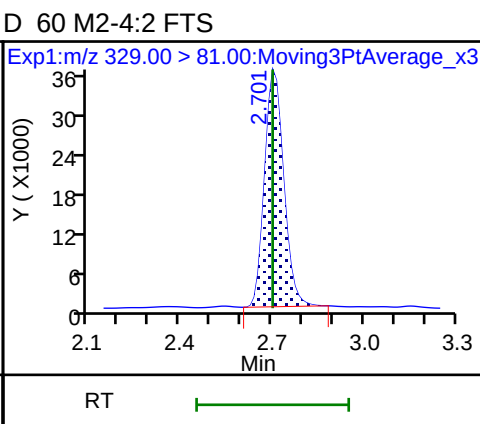
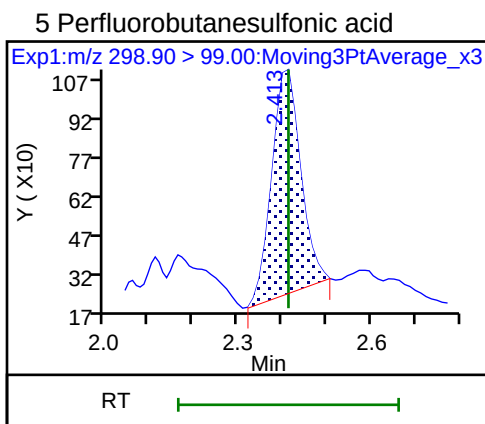
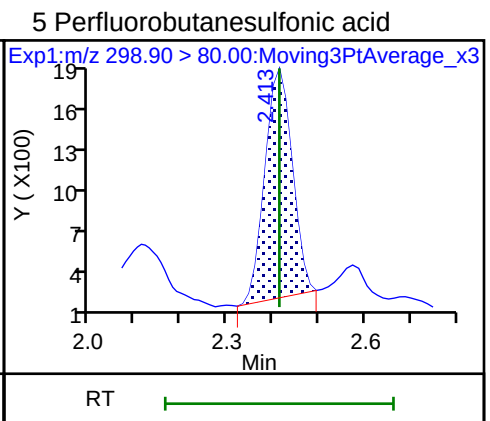
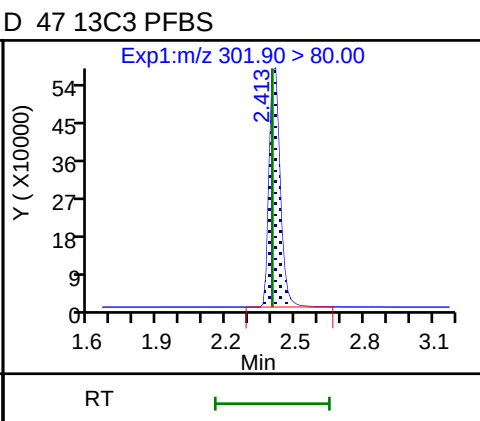
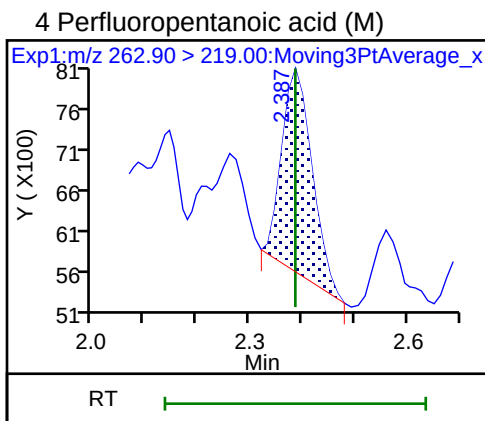
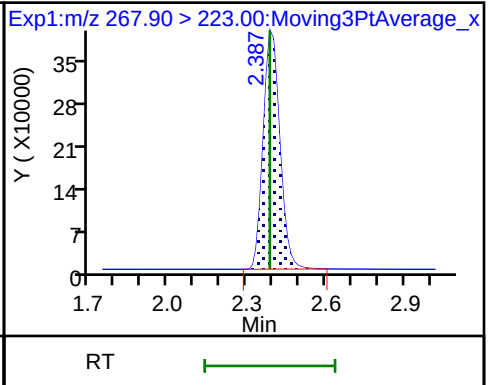
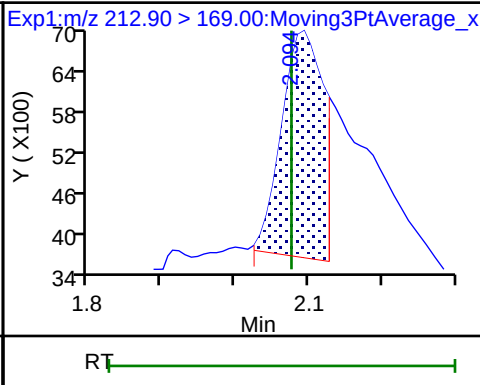
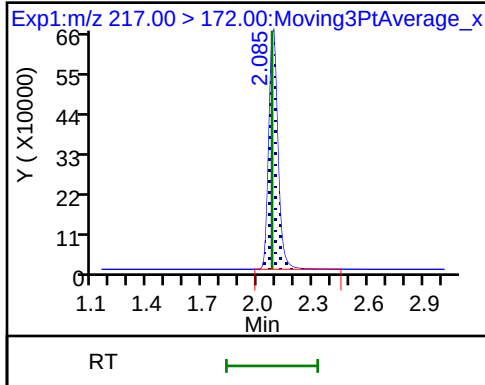
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

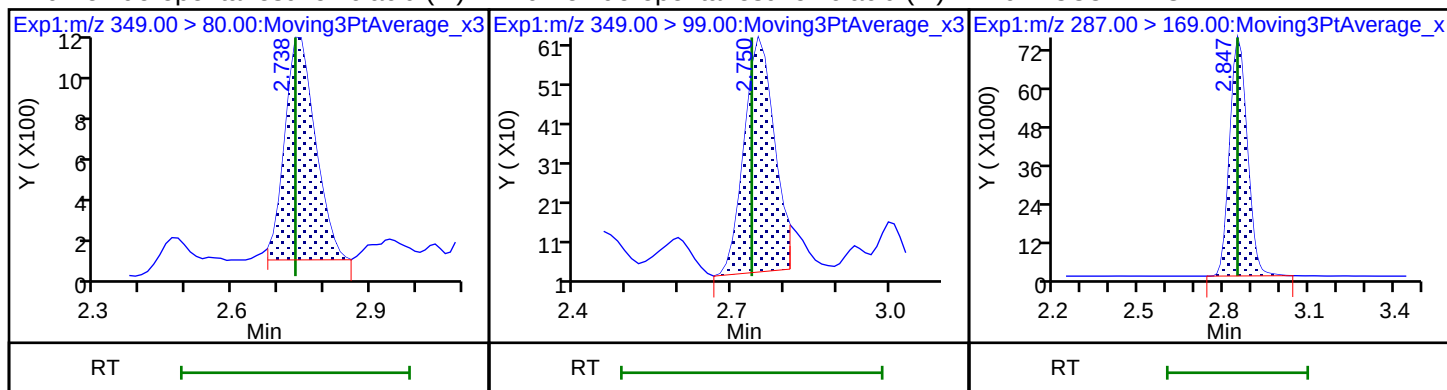
D 3 13C5 PFPeA



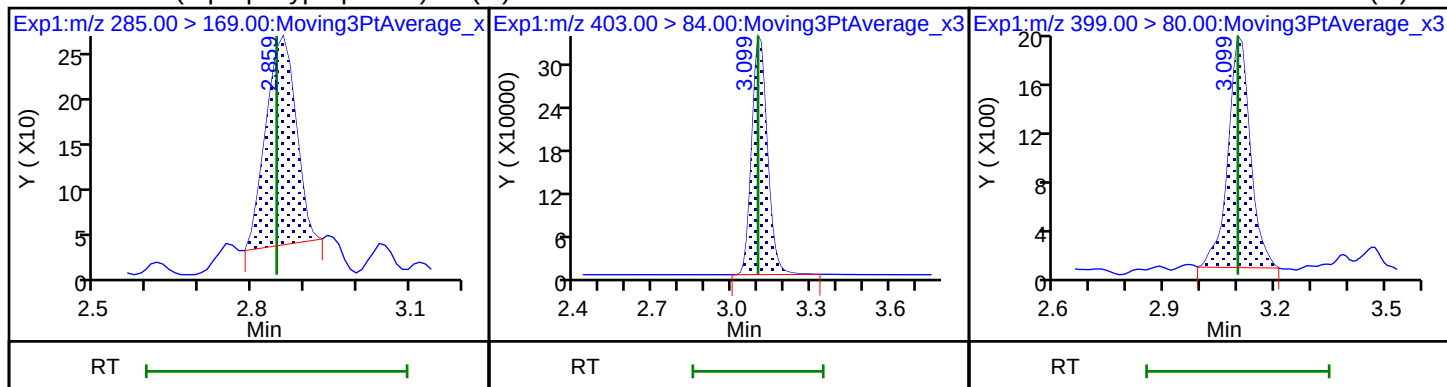
70 Perfluoropentanesulfonic acid (M)

70 Perfluoropentanesulfonic acid (M)

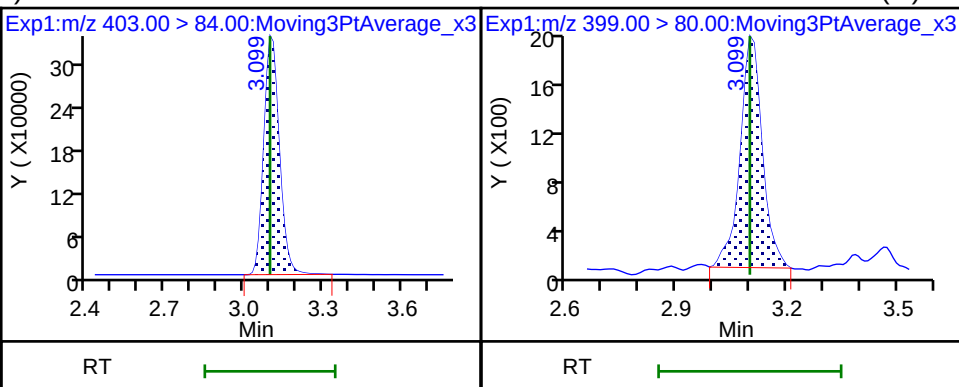
D 64 13C3 HFPO-DA



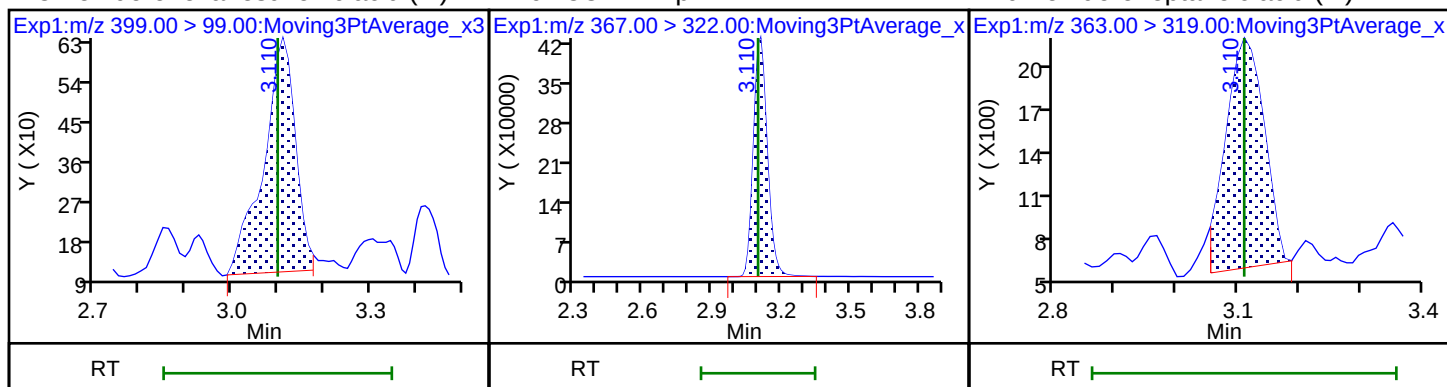
67 Perfluoro(2-propoxypropanoic) ac (M)



8 Perfluorohexanesulfonic acid (M)



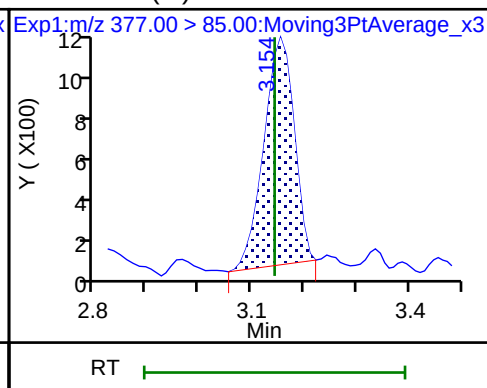
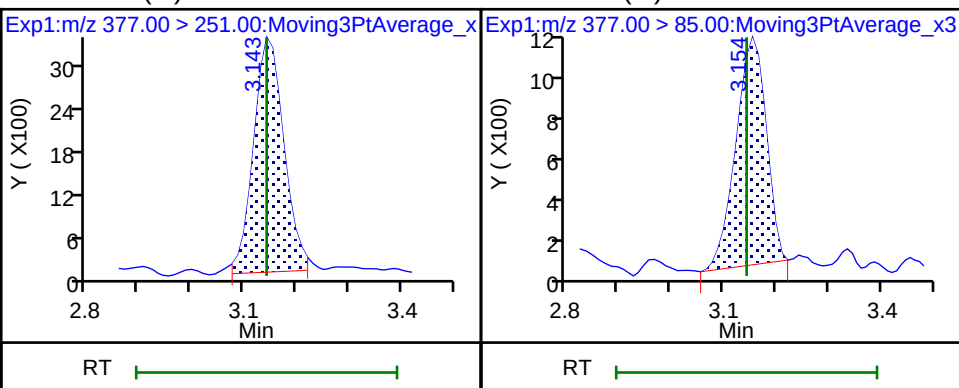
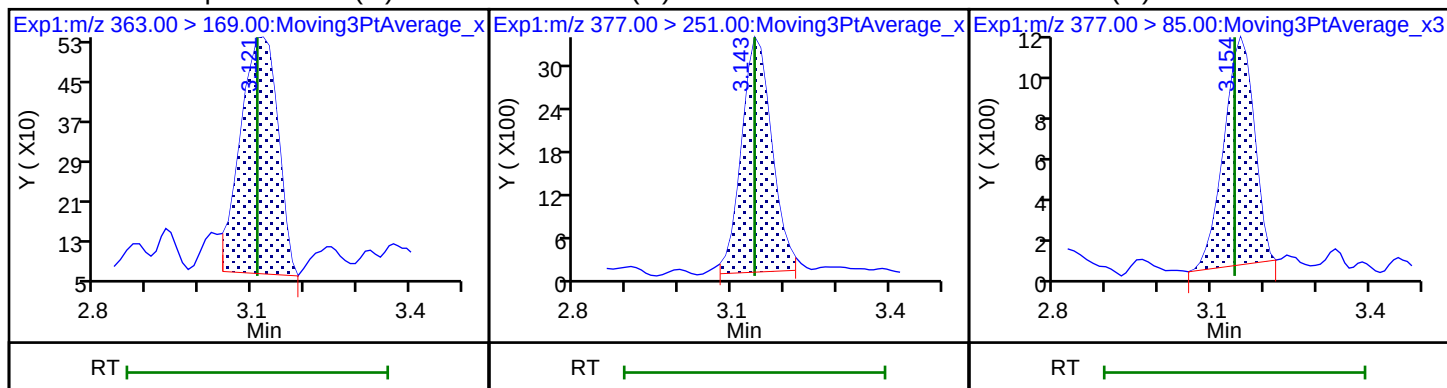
10 Perfluoroheptanoic acid (M)



10 Perfluoroheptanoic acid (M)

77 DONA (M)

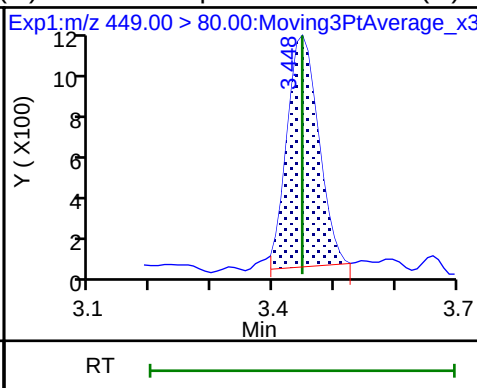
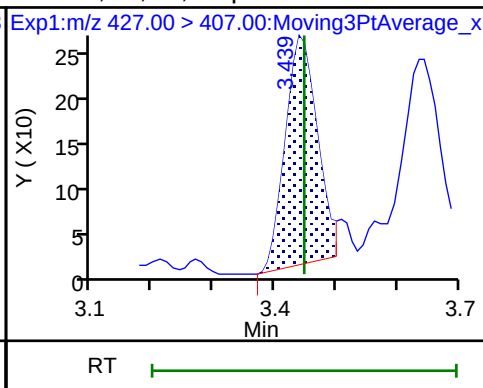
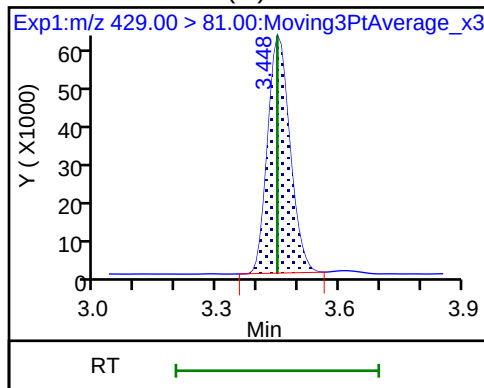
77 DONA (M)



D 12 M2-6:2 FTS (M)

13 1H,1H,2H,2H-perfluorooctanesulfo (M)

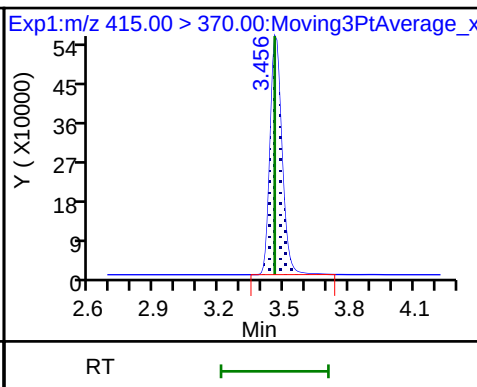
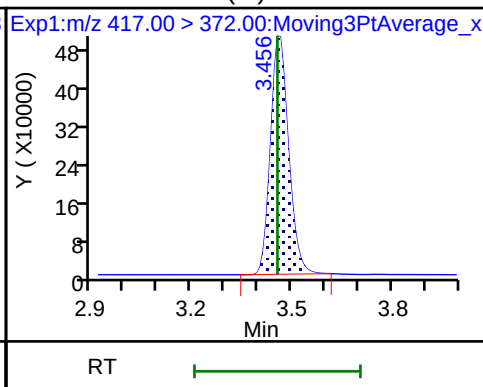
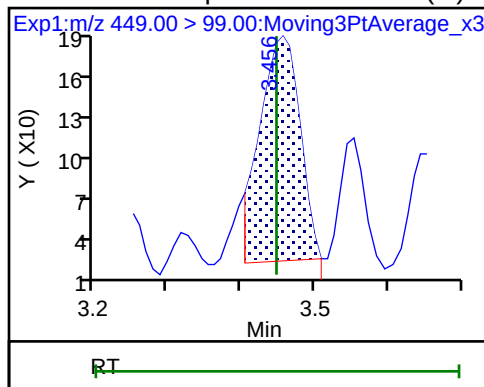
16 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M)

D 14 13C4 PFOA (M)

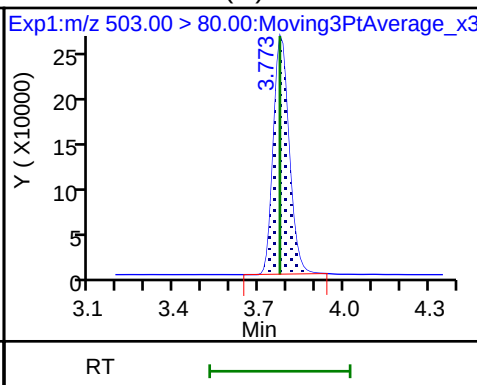
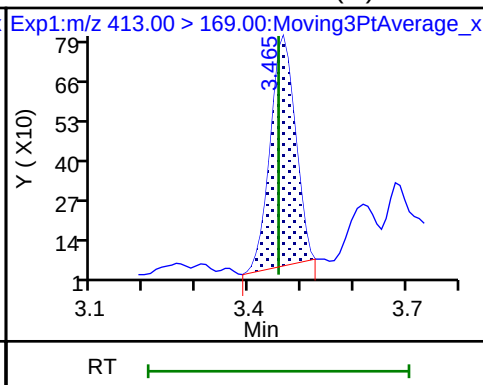
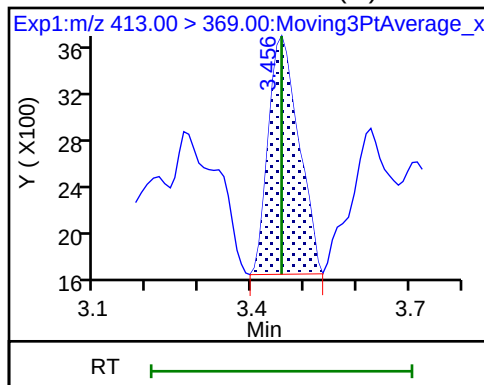
* 62 13C2 PFOA



15 Perfluorooctanoic acid (M)

15 Perfluorooctanoic acid (M)

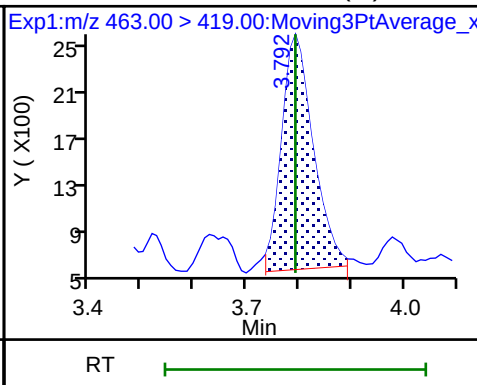
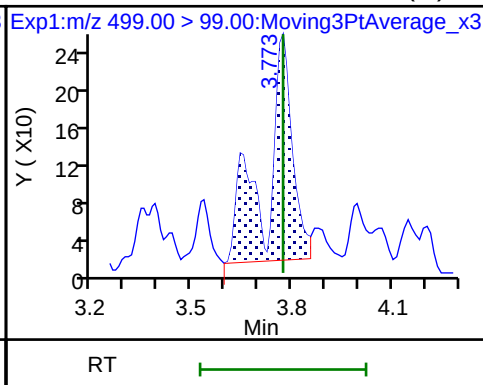
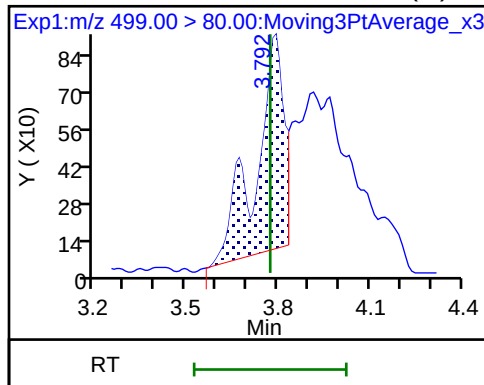
D 18 13C4 PFOS (M)

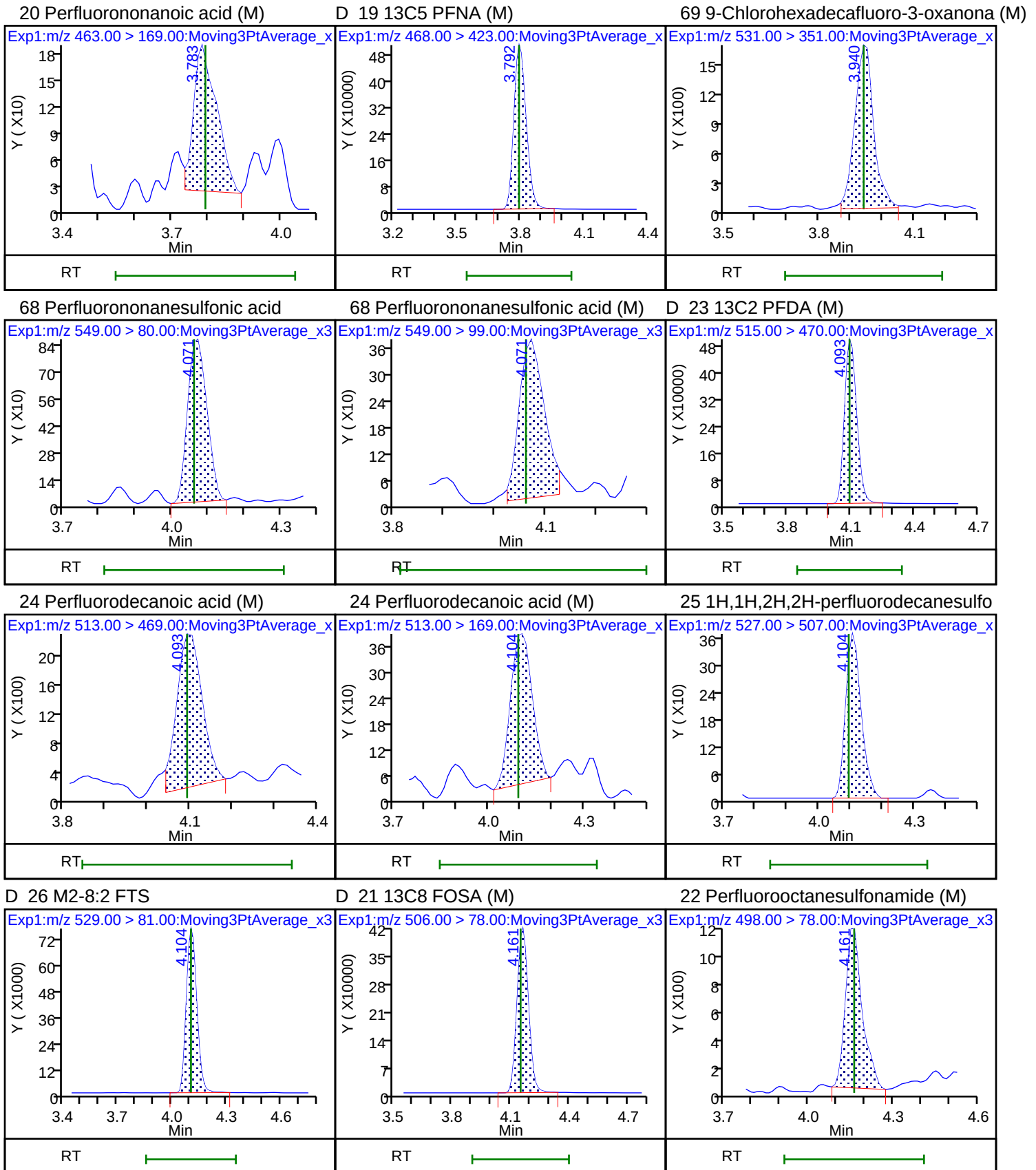


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

20 Perfluorononanoic acid (M)

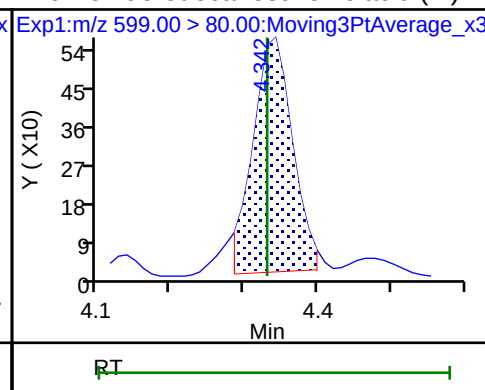
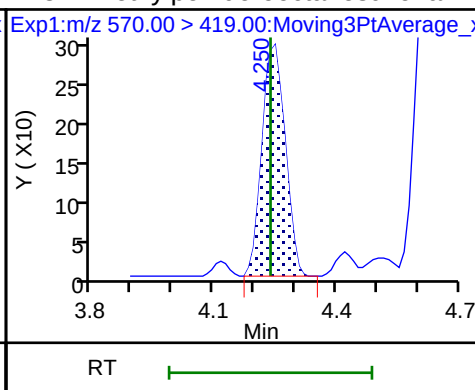
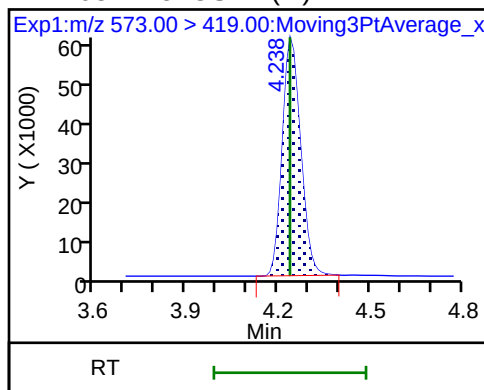




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami

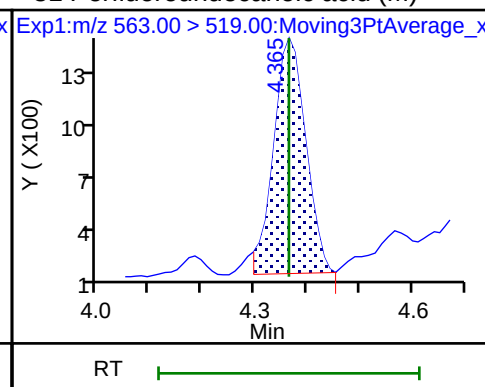
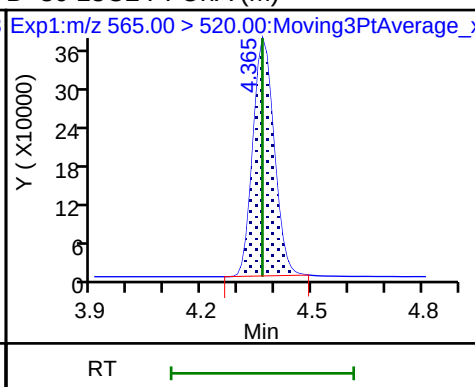
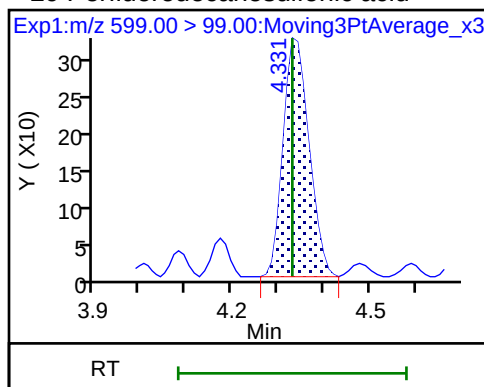
29 Perfluorodecanesulfonic acid (M)



29 Perfluorodecanesulfonic acid

D 30 13C2 PFUnA (M)

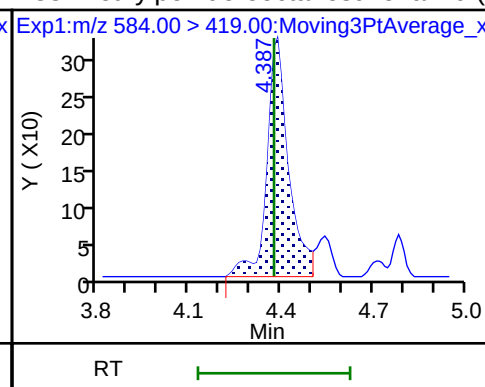
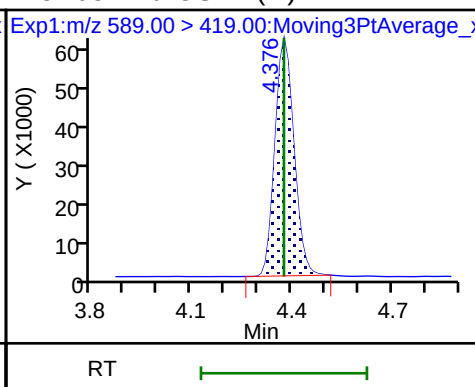
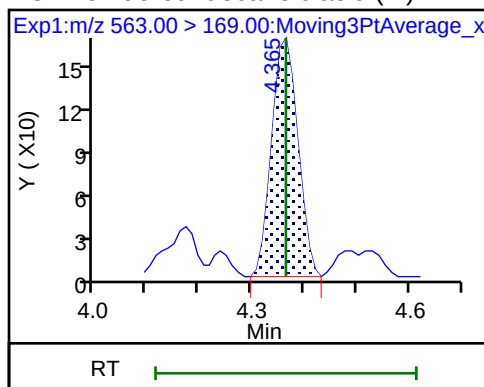
31 Perfluoroundecanoic acid (M)



31 Perfluoroundecanoic acid (M)

D 32 d5-NEtFOSAA (M)

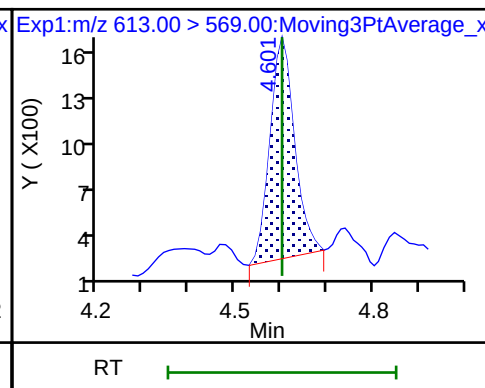
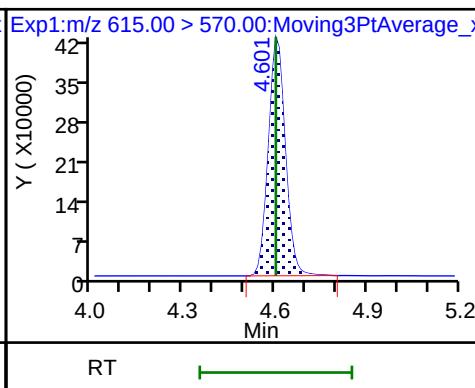
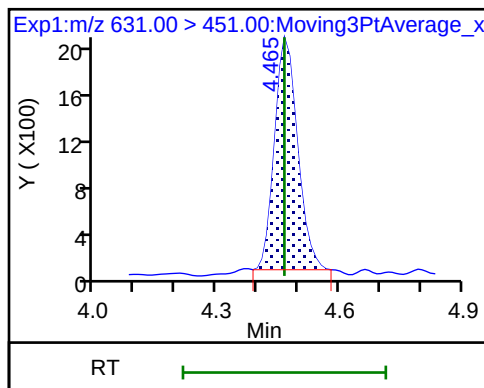
33 N-ethylperfluorooctanesulfonamid (M)

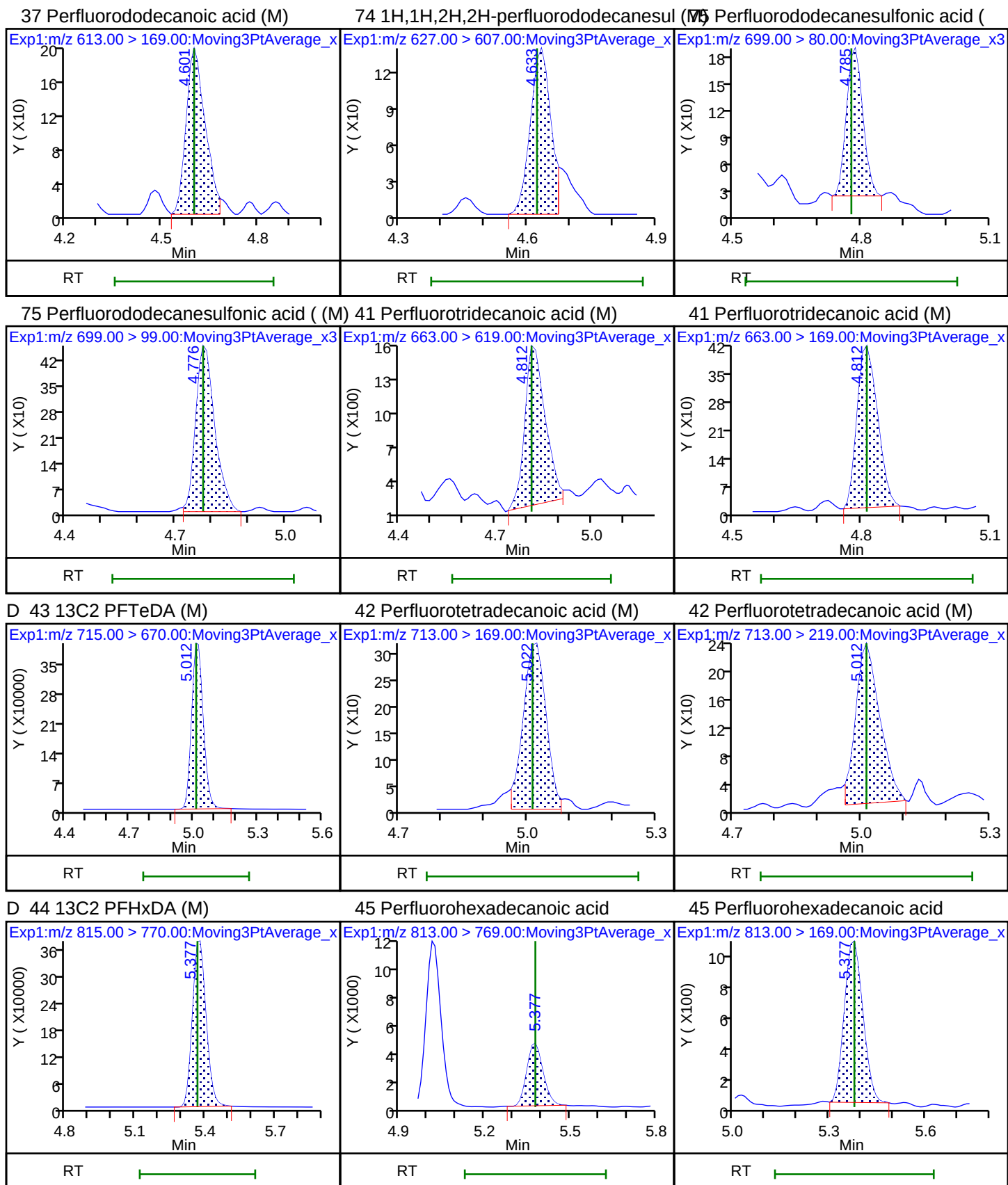


66 11-Chloroeicosafuoro-3-oxaundec

D 36 13C2 PFDaA

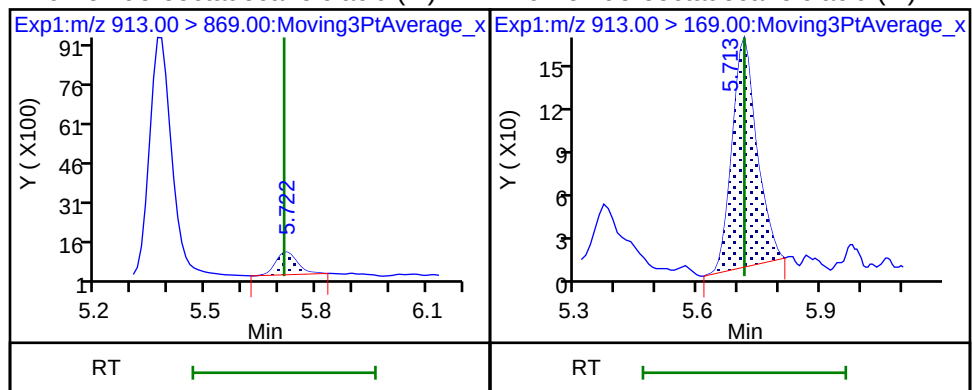
37 Perfluorododecanoic acid





46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

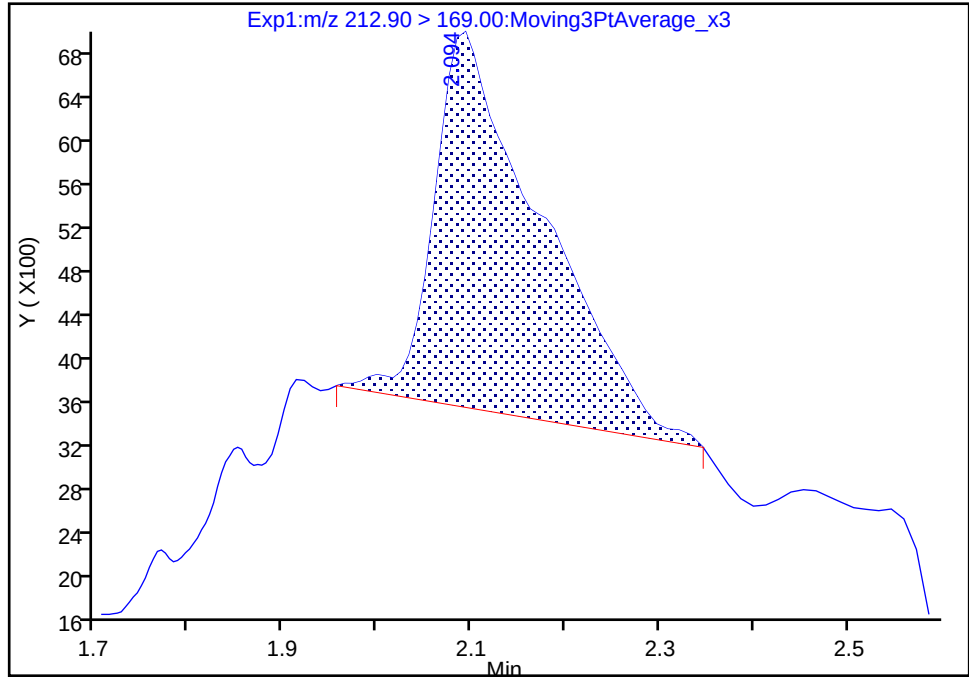
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A05.d
Injection Date: 11-Aug-2022 14:34:04 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

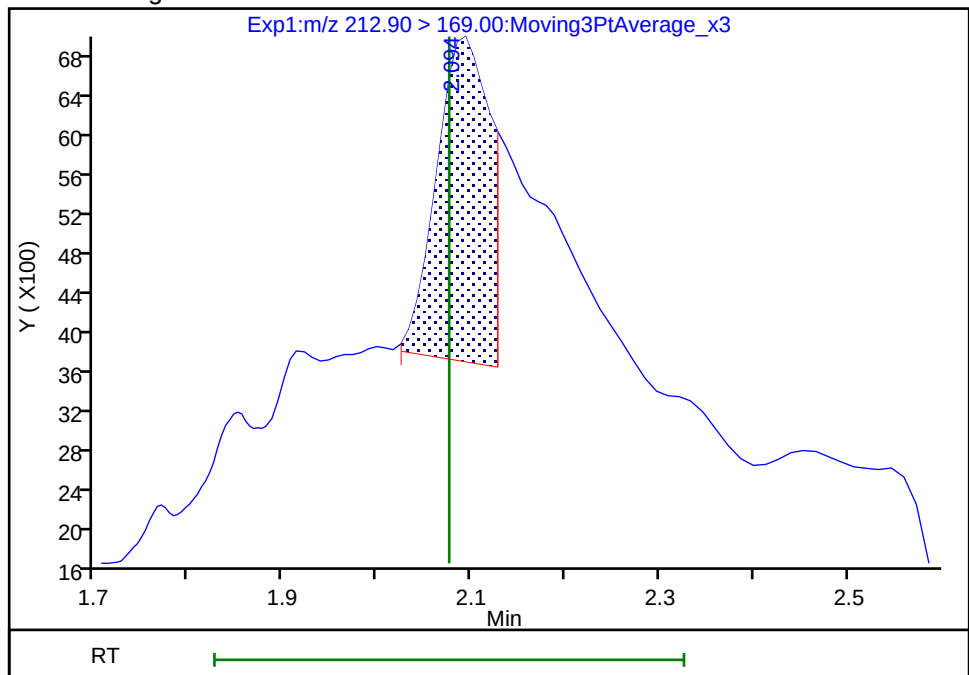
RT: 2.09
Area: 27013
Amount: 0.015550
Amount Units: ng/ml

Processing Integration Results



RT: 2.09
Area: 12521
Amount: 0.007208
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 12-Aug-2022 08:49:58

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

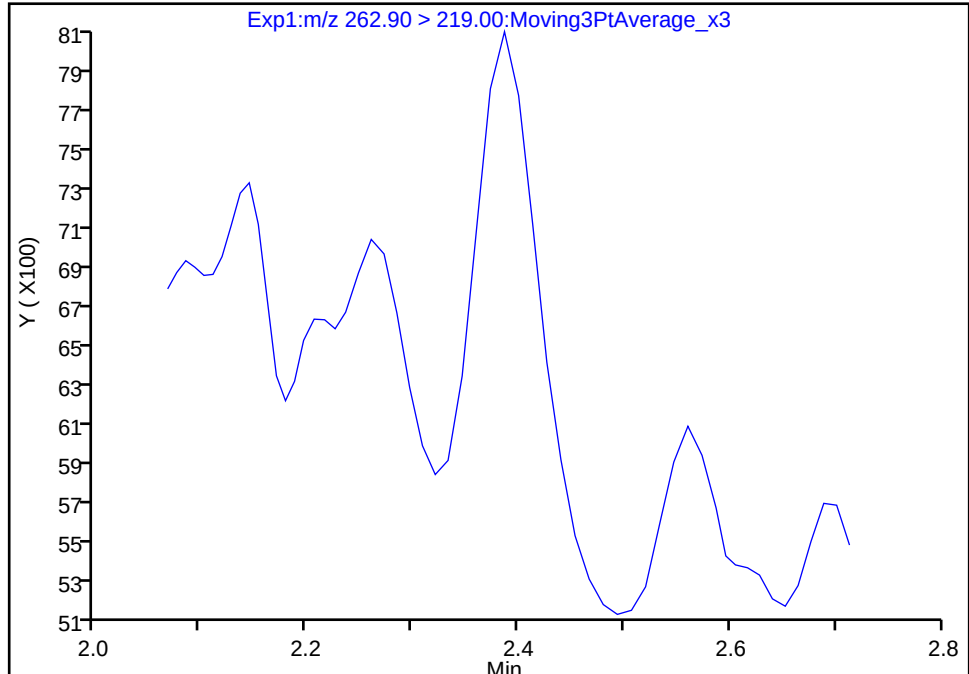
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A05.d
Injection Date: 11-Aug-2022 14:34:04 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

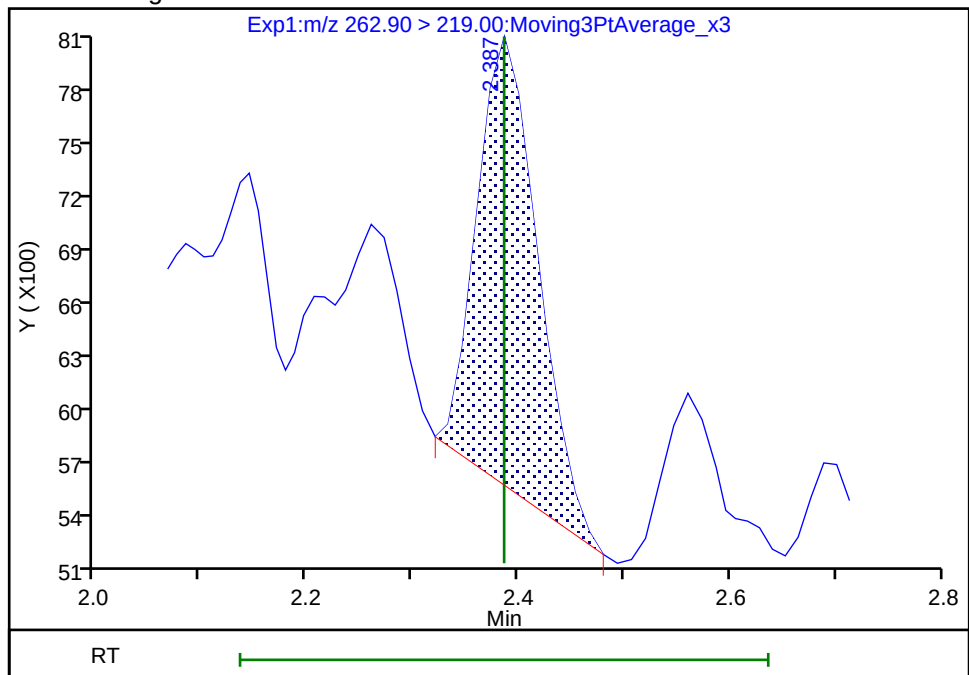
Signal: 1

Not Detected
Expected RT: 2.39

Processing Integration Results



Manual Integration Results



RT: 2.39
Area: 9733
Amount: 0.006857
Amount Units: ng/ml

Reviewer: khanphomeea, 12-Aug-2022 08:50:04

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

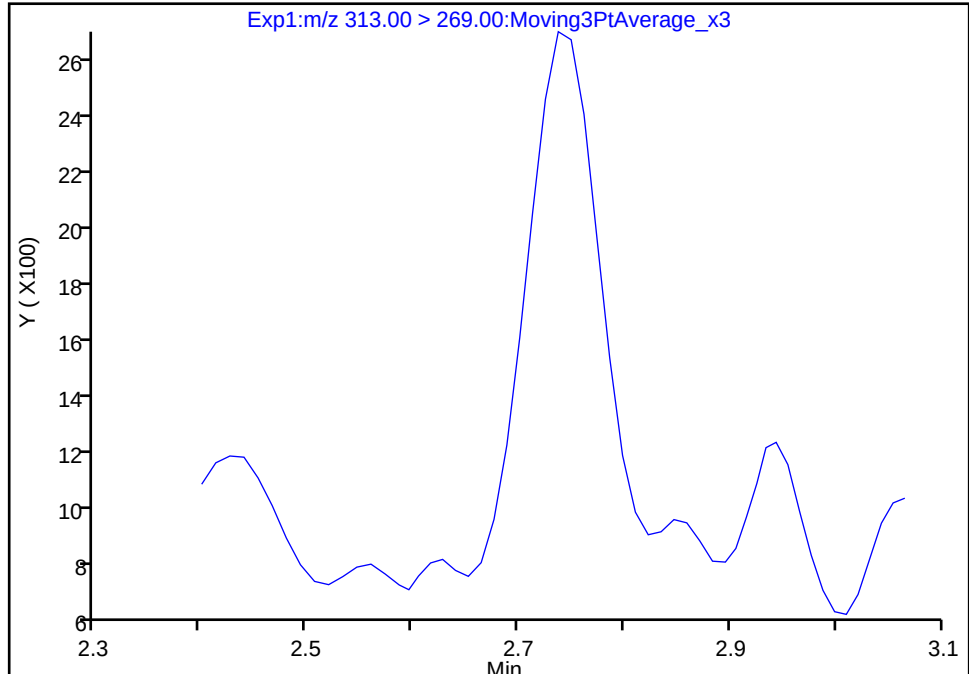
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A05.d
Injection Date: 11-Aug-2022 14:34:04 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

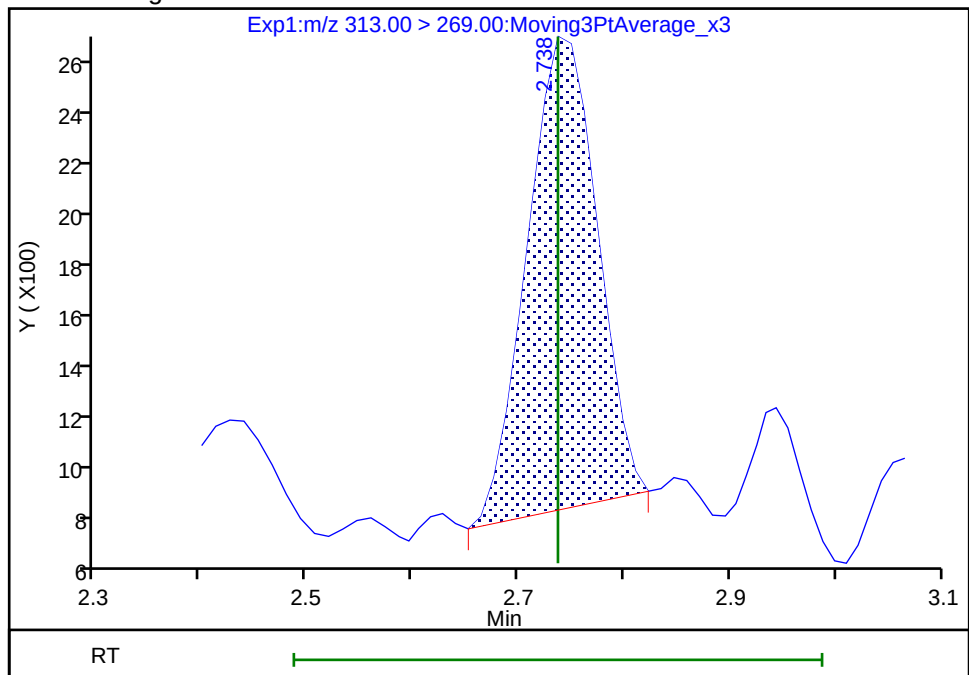
Not Detected
Expected RT: 2.74

Processing Integration Results



RT: 2.74
Area: 8099
Amount: 0.005351
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 12-Aug-2022 08:50:43

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

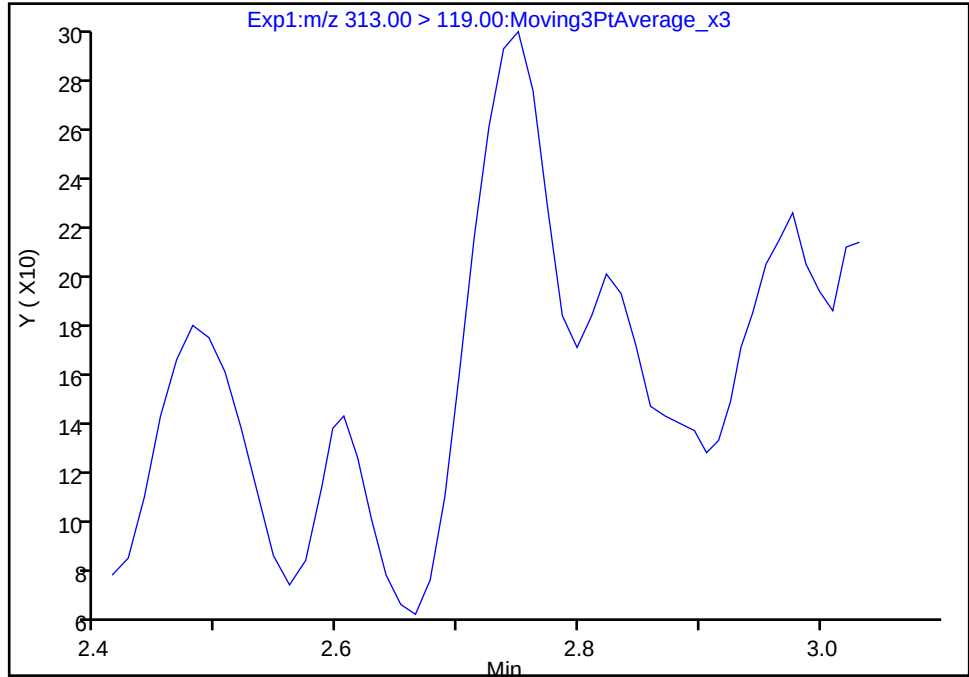
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A05.d
Injection Date: 11-Aug-2022 14:34:04 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

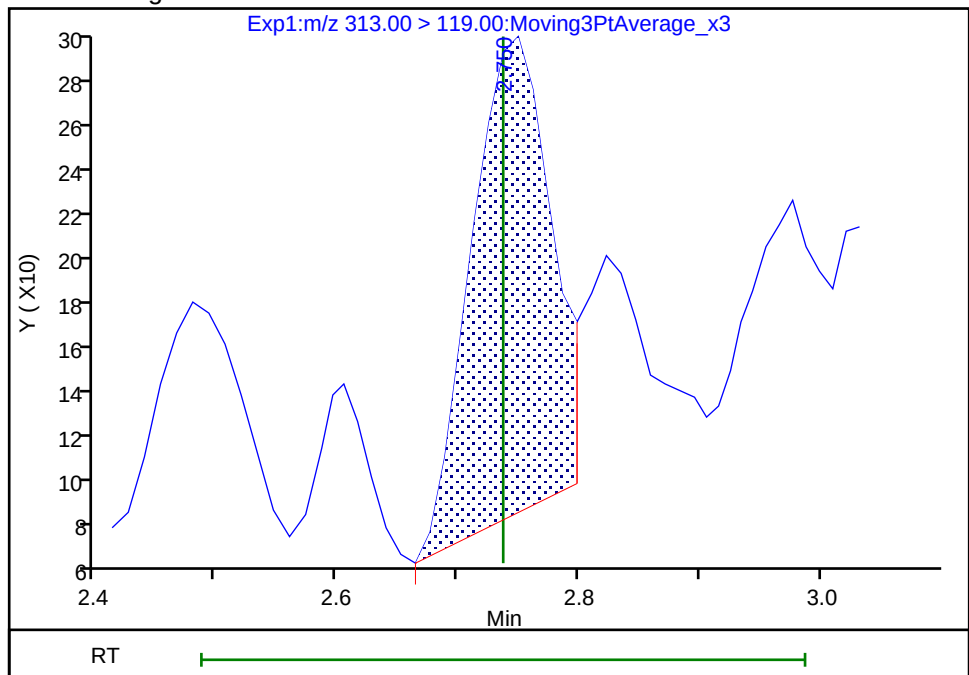
Not Detected
Expected RT: 2.74

Processing Integration Results



Manual Integration Results

RT: 2.75
Area: 979
Amount: 0.005351
Amount Units: ng/ml



Reviewer: khanphomeea, 12-Aug-2022 08:50:49

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

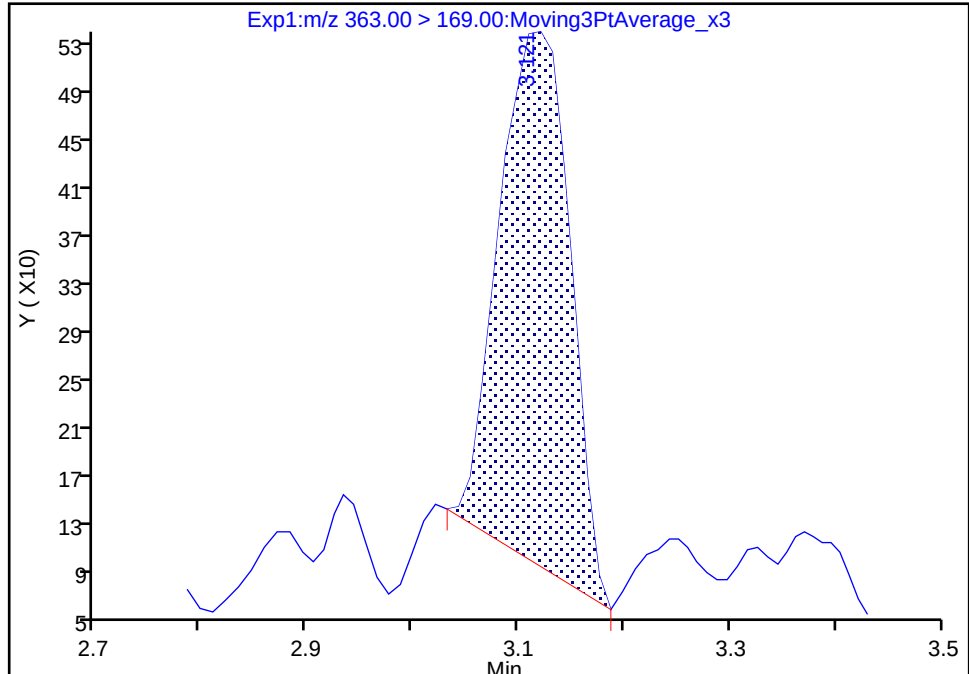
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A05.d
Injection Date: 11-Aug-2022 14:34:04 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

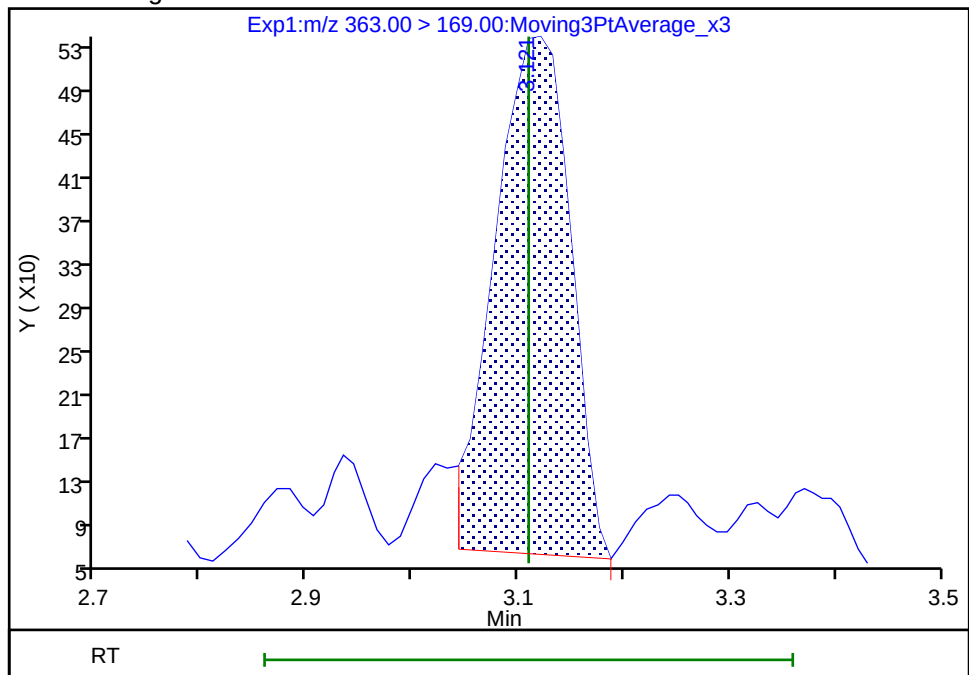
RT: 3.12
Area: 2072
Amount: 0.004678
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 2367
Amount: 0.004457
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 12-Aug-2022 08:51:53

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

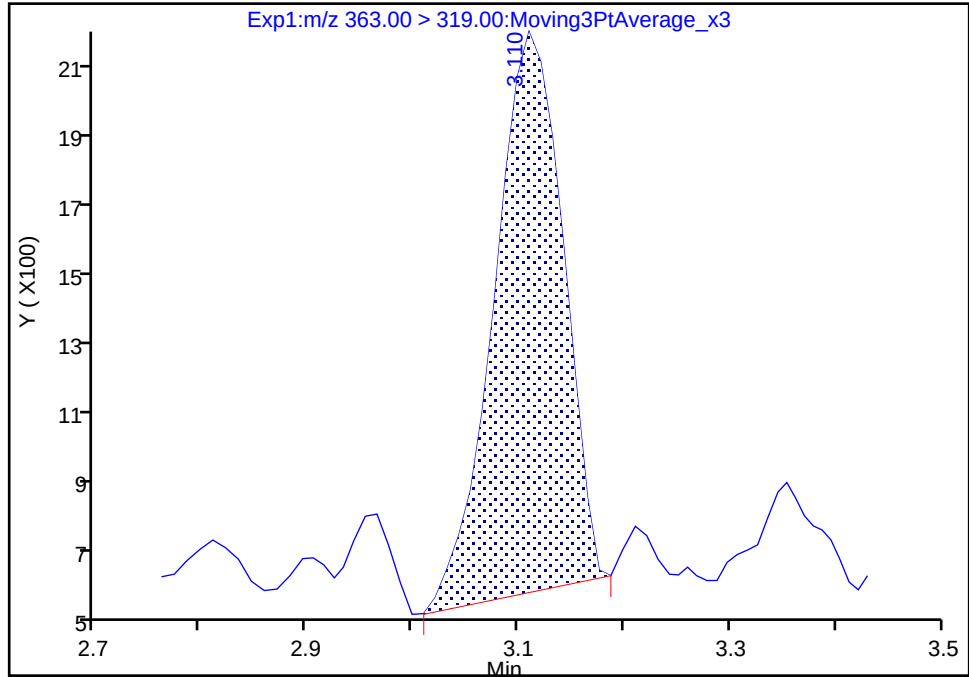
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A05.d
Injection Date: 11-Aug-2022 14:34:04 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

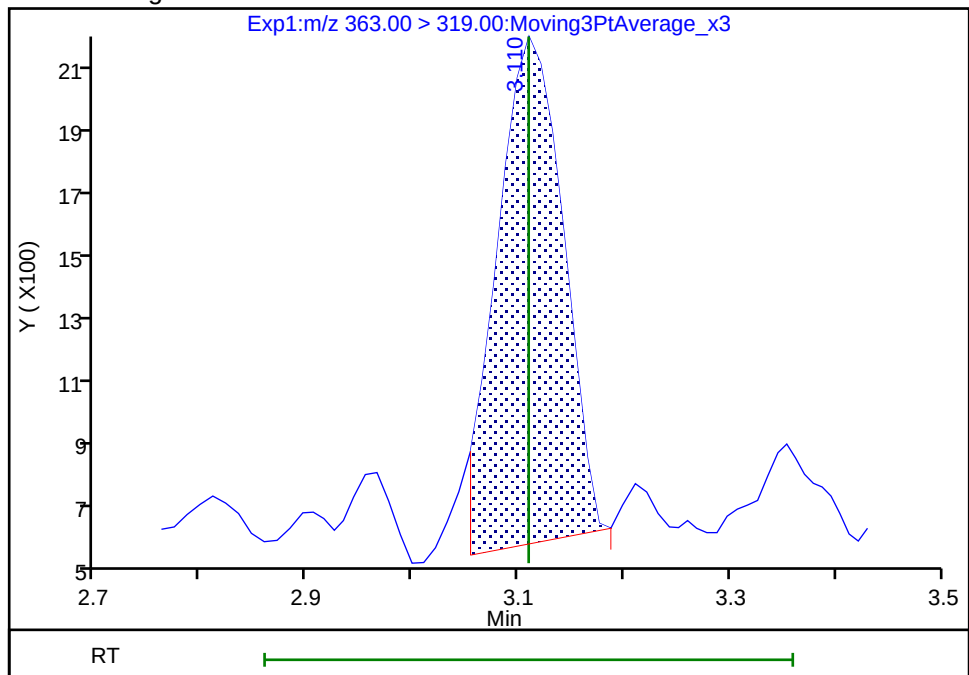
RT: 3.11
Area: 6864
Amount: 0.004678
Amount Units: ng/ml

Processing Integration Results



RT: 3.11
Area: 6541
Amount: 0.004457
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 12-Aug-2022 08:51:59

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

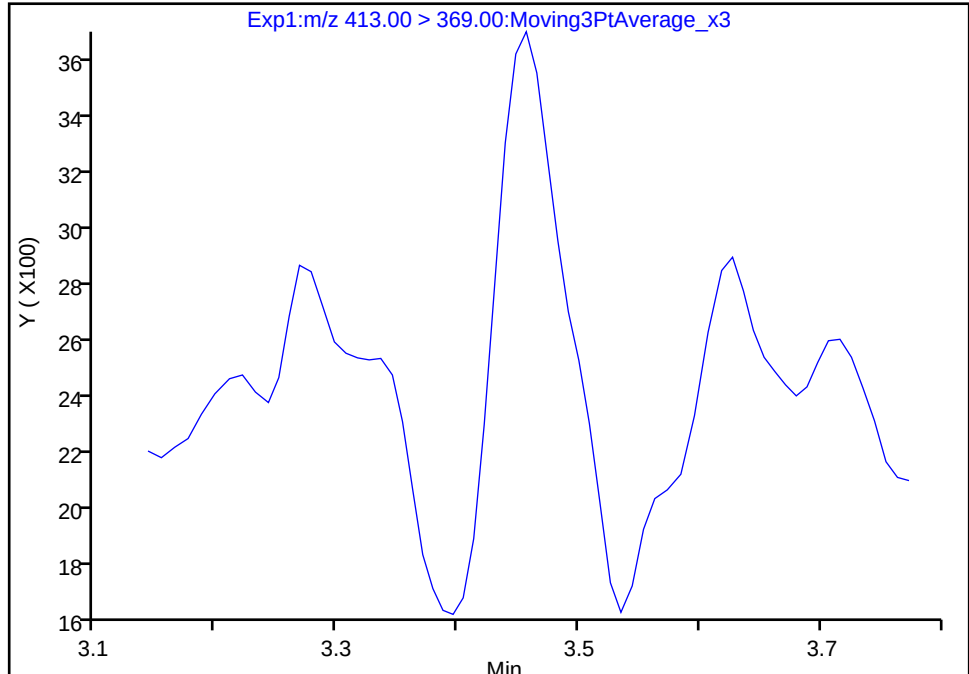
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A05.d
Injection Date: 11-Aug-2022 14:34:04 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

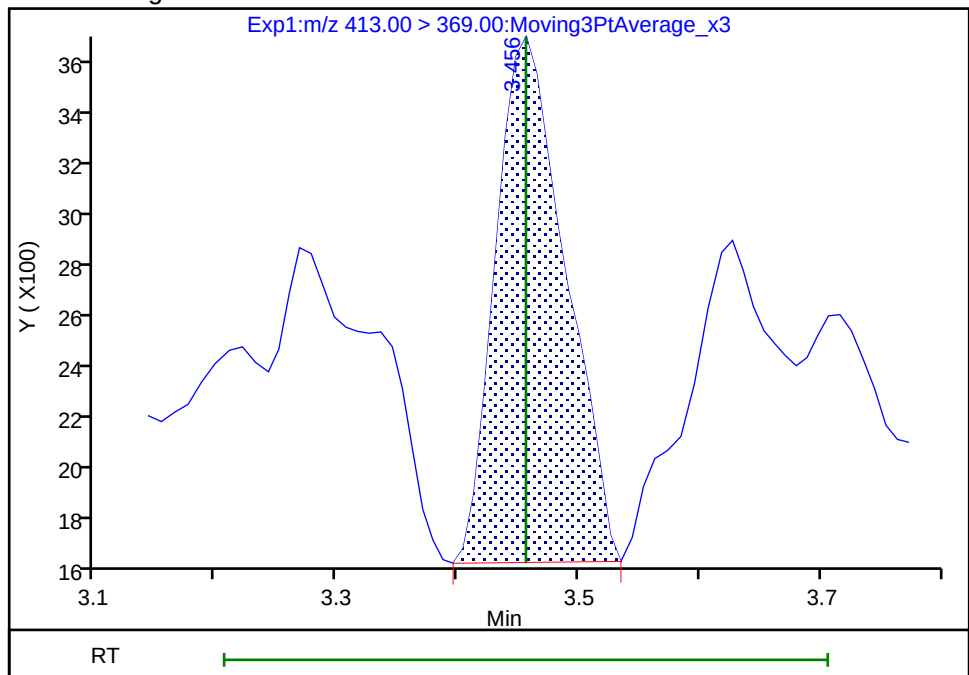
Signal: 1

Not Detected
Expected RT: 3.46

Processing Integration Results



Manual Integration Results



RT: 3.46
Area: 8059
Amount: 0.004730
Amount Units: ng/ml

Reviewer: khanphomeea, 12-Aug-2022 08:52:59

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

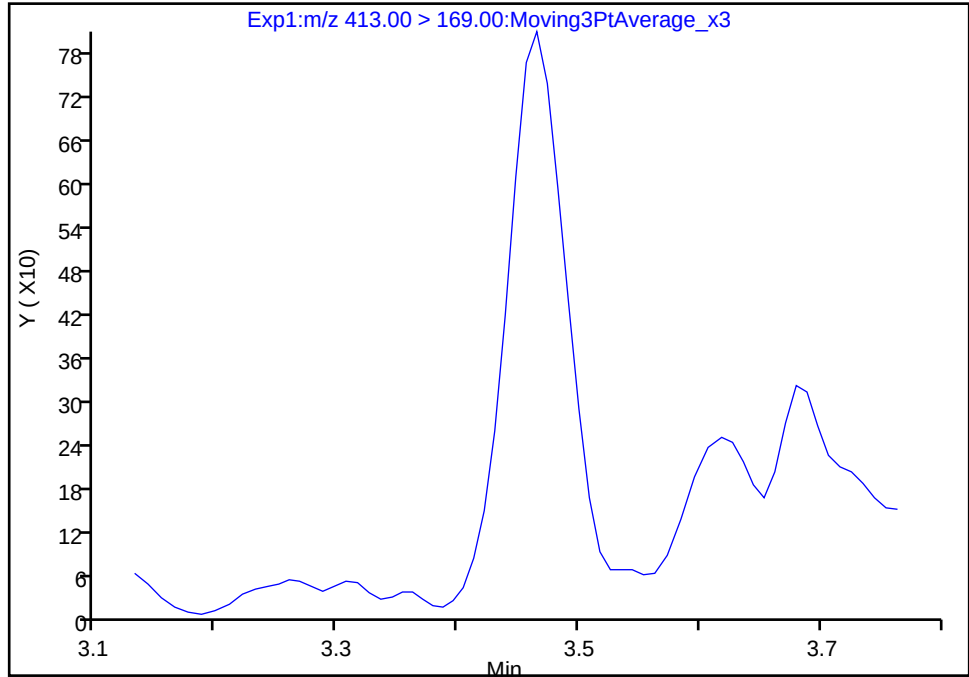
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A05.d
Injection Date: 11-Aug-2022 14:34:04 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

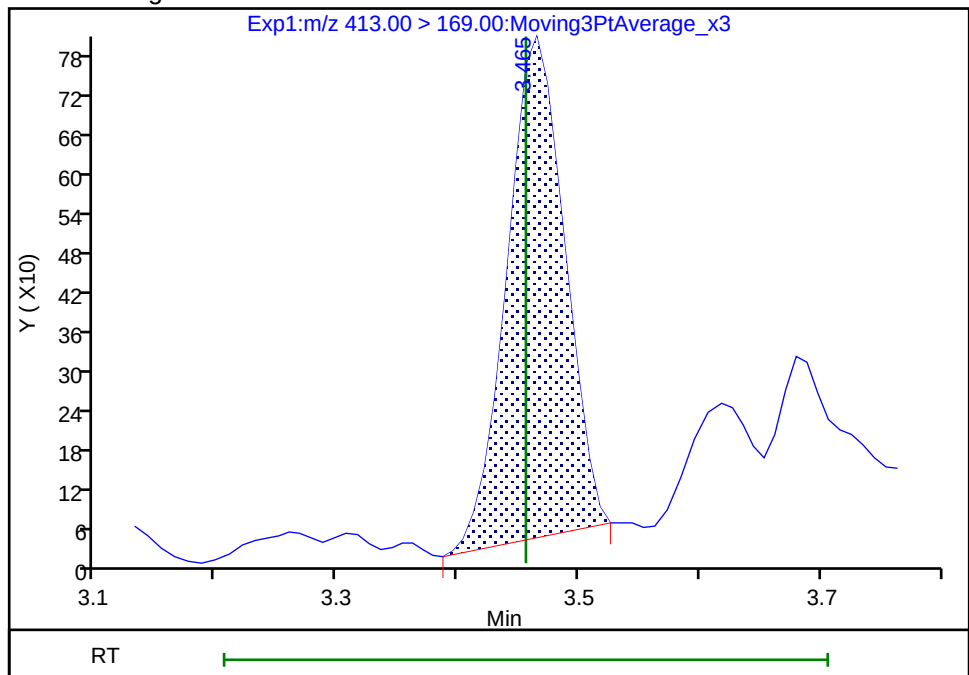
Not Detected
Expected RT: 3.46

Processing Integration Results



Manual Integration Results

RT: 3.47
Area: 2558
Amount: 0.004730
Amount Units: ng/ml



Reviewer: khanphomeea, 12-Aug-2022 08:53:01

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

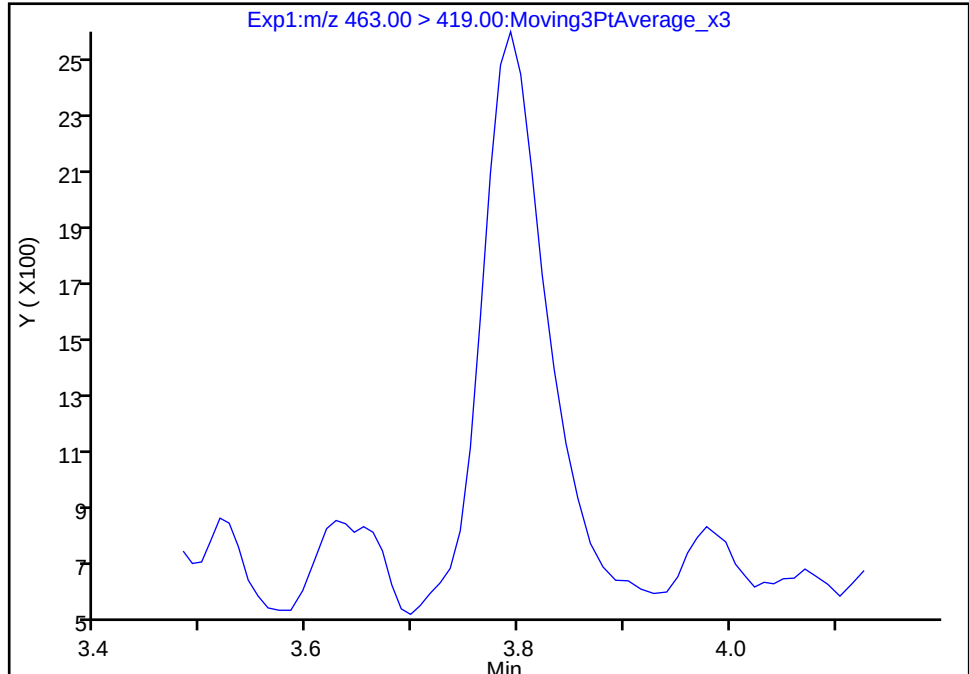
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A05.d
Injection Date: 11-Aug-2022 14:34:04 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

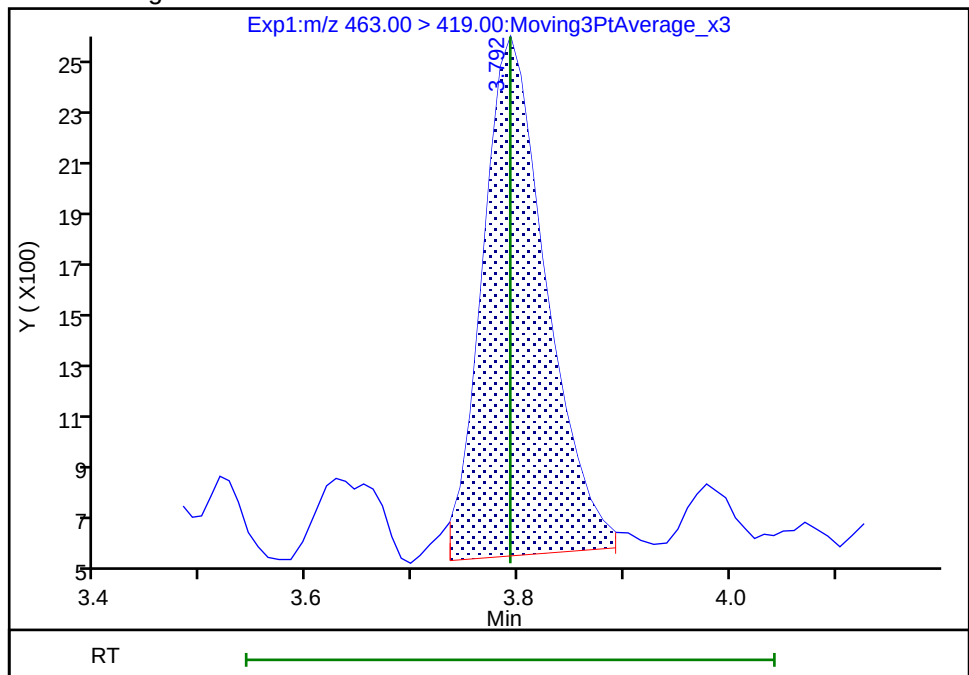
Not Detected
Expected RT: 3.79

Processing Integration Results



RT: 3.79
Area: 8162
Amount: 0.005005
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 12-Aug-2022 08:53:46

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

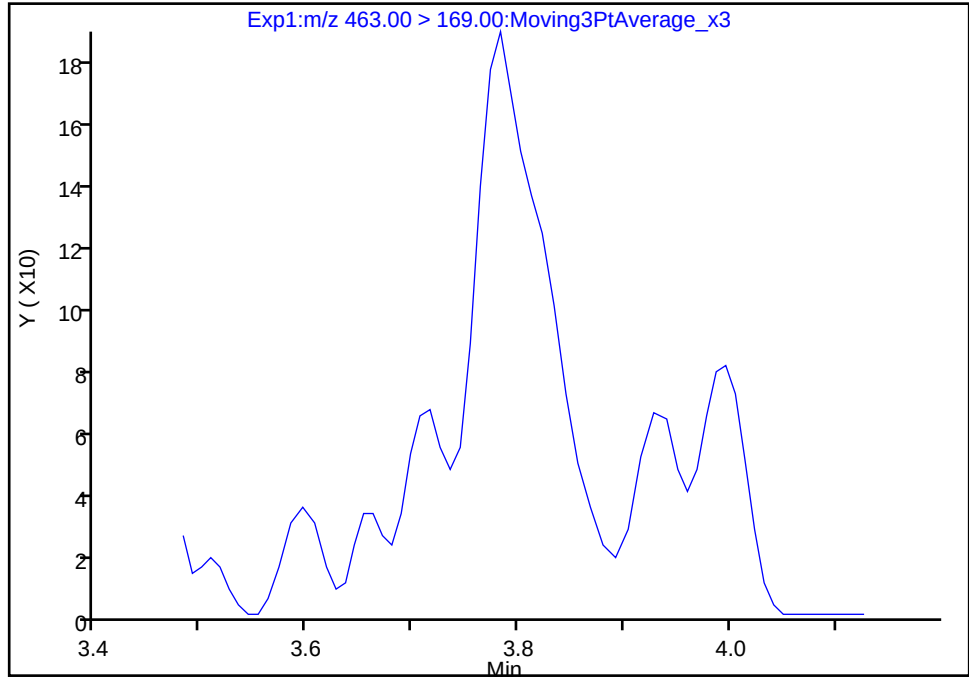
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A05.d
Injection Date: 11-Aug-2022 14:34:04 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

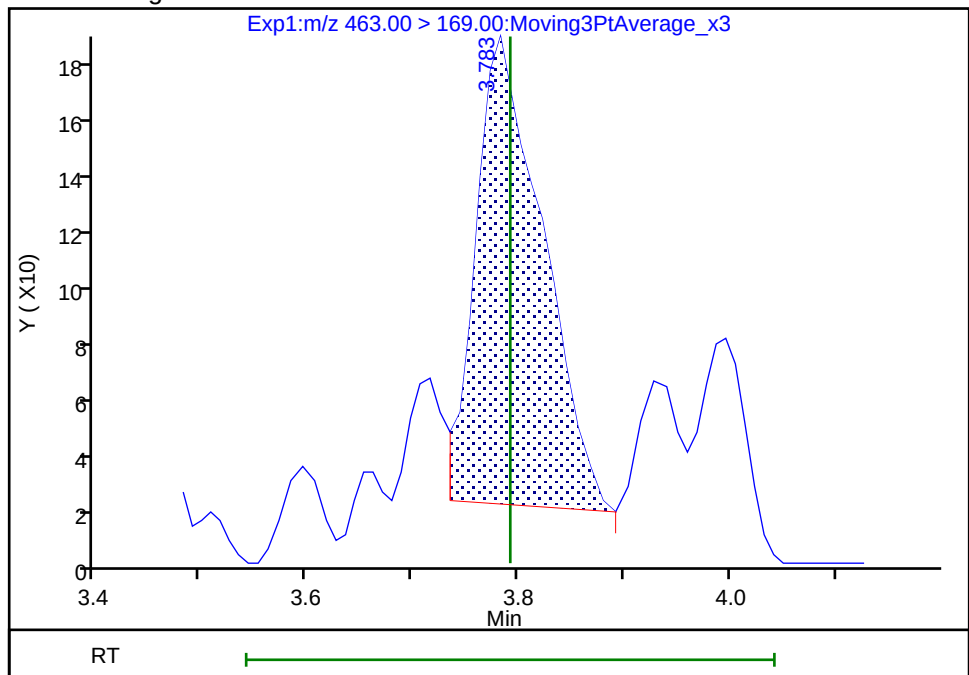
Not Detected
Expected RT: 3.79

Processing Integration Results



Manual Integration Results

RT: 3.78
Area: 721
Amount: 0.005005
Amount Units: ng/ml



Reviewer: khanphomeea, 12-Aug-2022 08:53:48

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

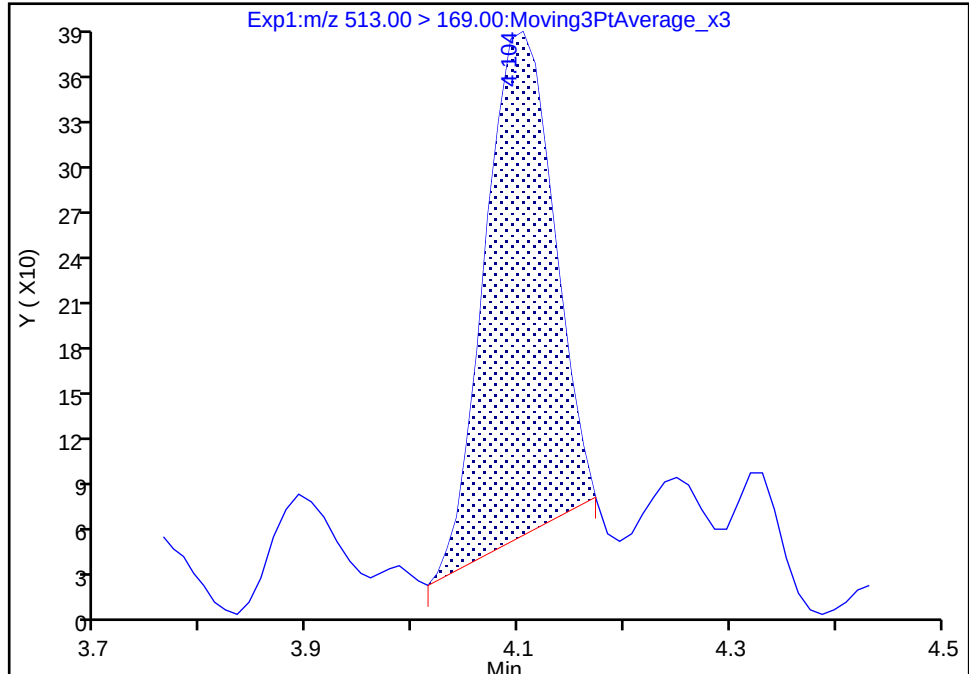
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A05.d
Injection Date: 11-Aug-2022 14:34:04 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

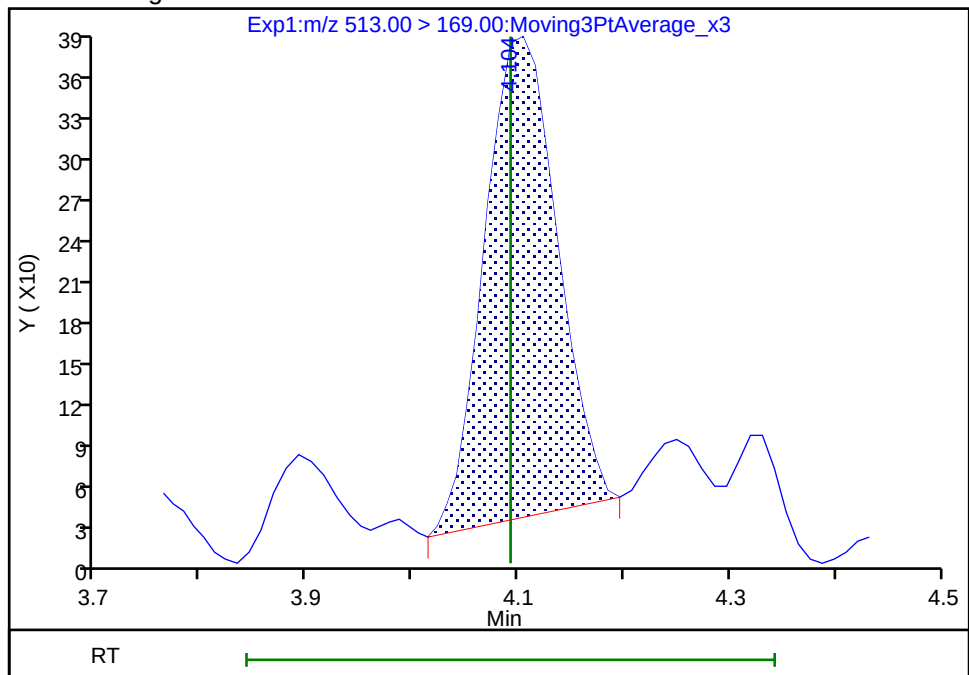
RT: 4.10
Area: 1504
Amount: 0.004487
Amount Units: ng/ml

Processing Integration Results



RT: 4.10
Area: 1676
Amount: 0.005070
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 12-Aug-2022 08:54:27

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

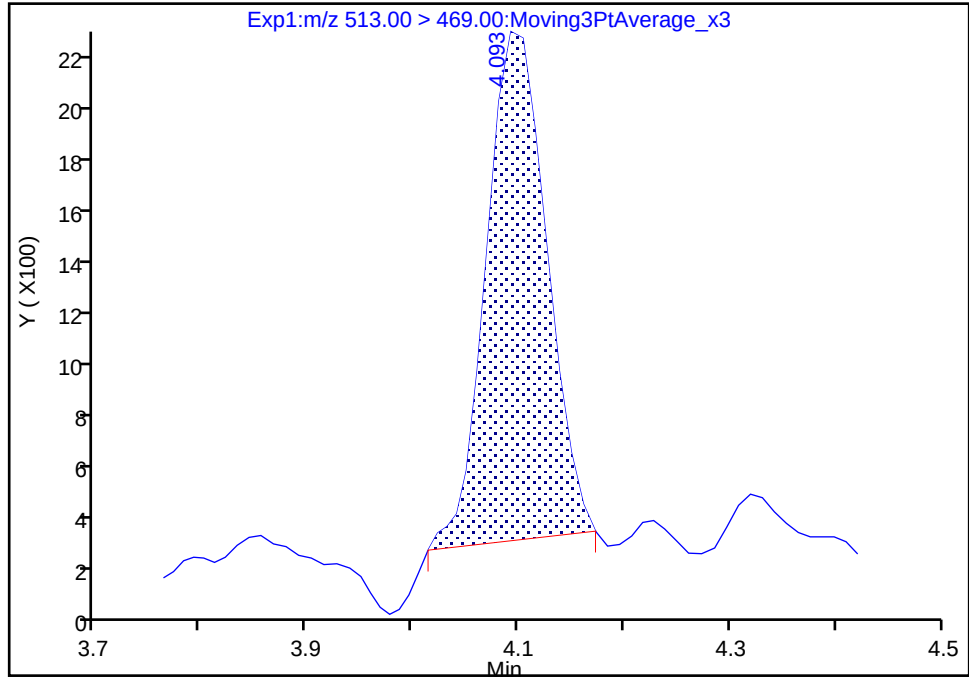
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A05.d
Injection Date: 11-Aug-2022 14:34:04 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

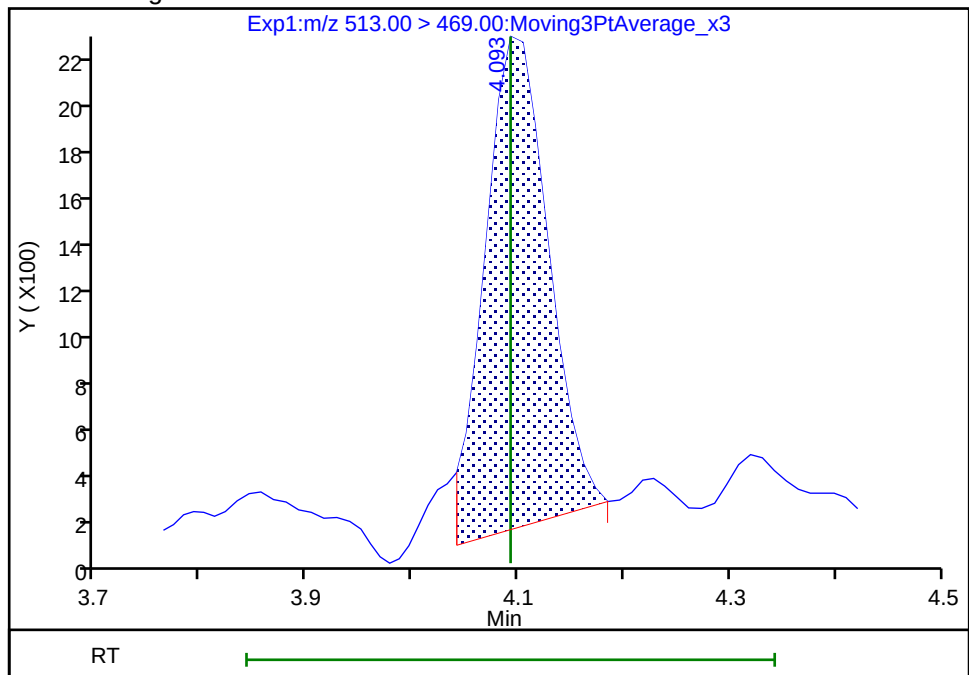
RT: 4.09
Area: 7447
Amount: 0.004487
Amount Units: ng/ml

Processing Integration Results



RT: 4.09
Area: 8324
Amount: 0.005070
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 12-Aug-2022 08:54:32

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

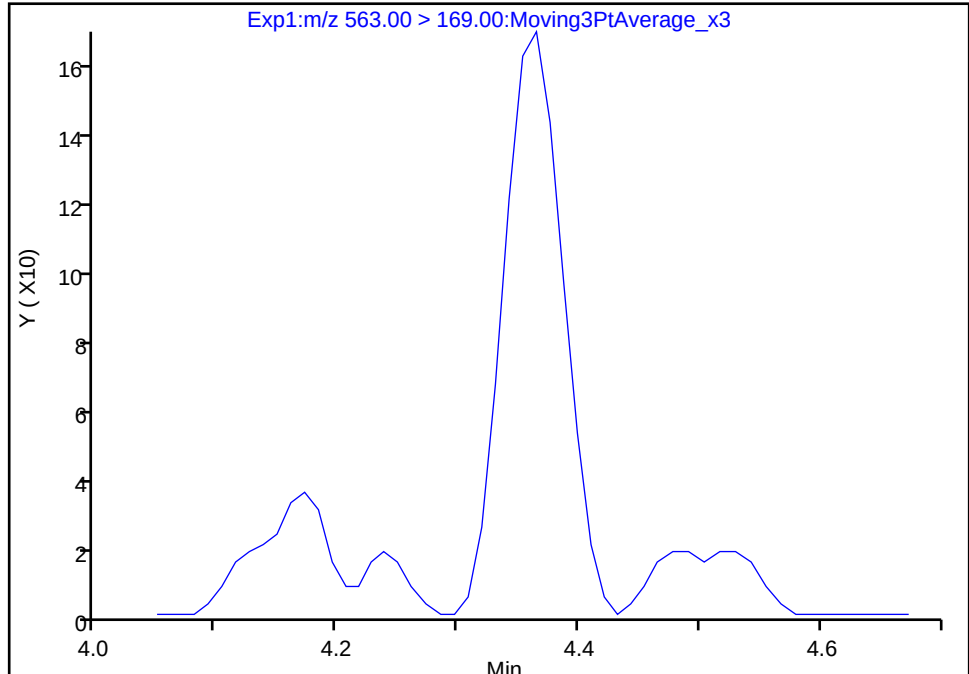
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A05.d
Injection Date: 11-Aug-2022 14:34:04 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

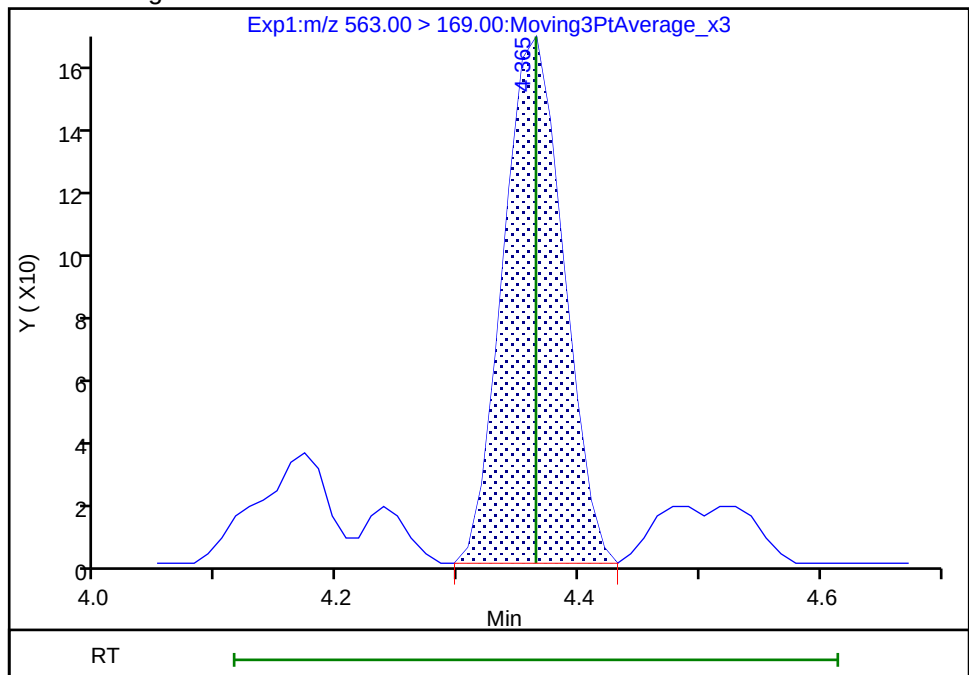
Signal: 2

Not Detected
Expected RT: 4.36

Processing Integration Results



Manual Integration Results



RT: 4.36
Area: 580
Amount: 0.004099
Amount Units: ng/ml

Reviewer: khanphomeea, 12-Aug-2022 08:55:01

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

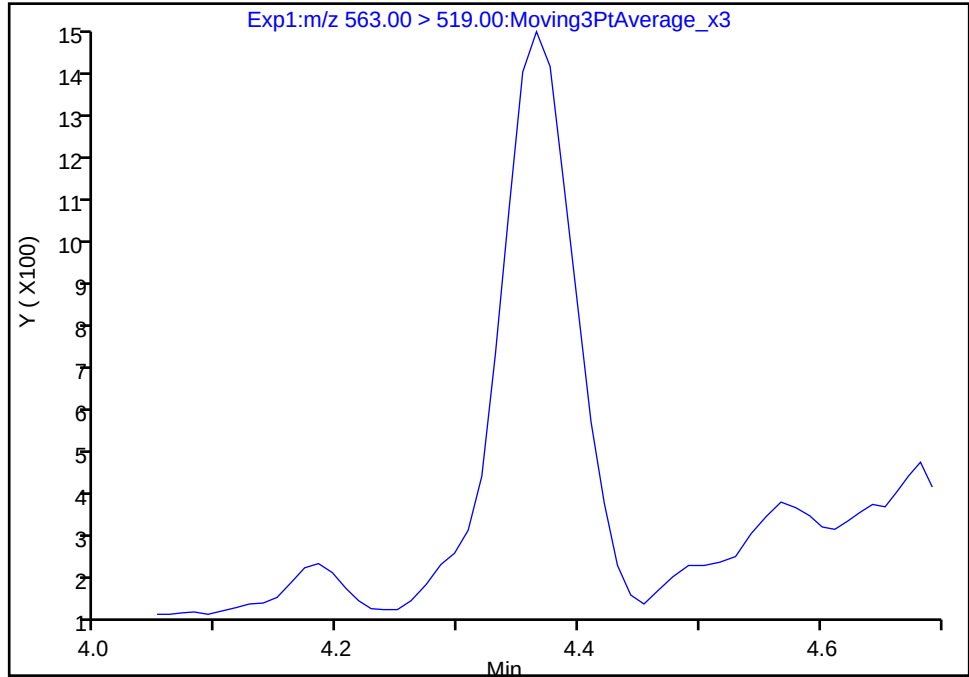
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A05.d
Injection Date: 11-Aug-2022 14:34:04 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

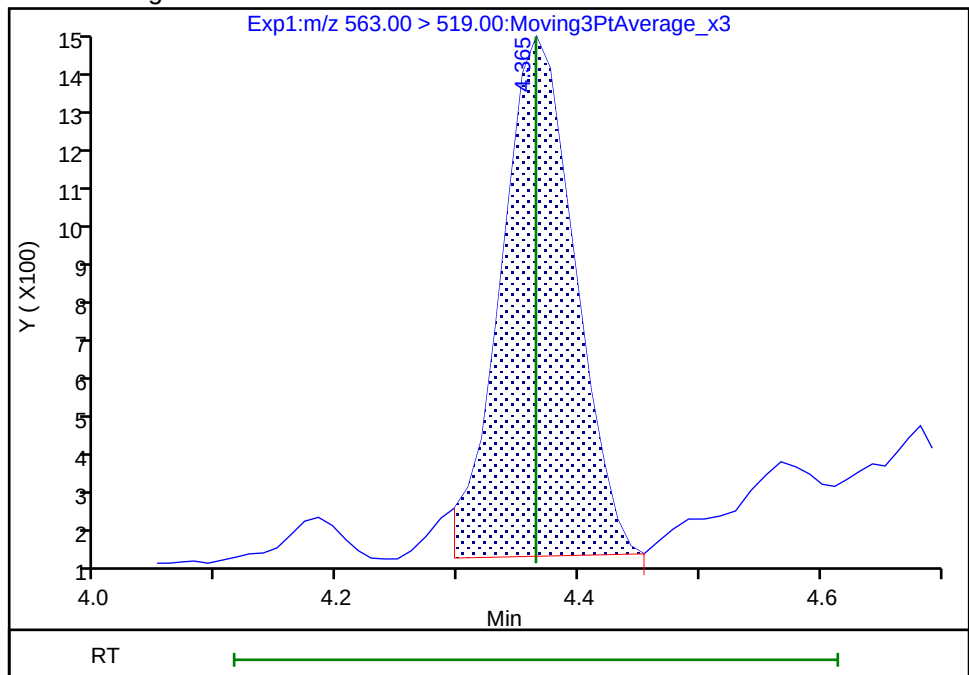
Not Detected
Expected RT: 4.36

Processing Integration Results



Manual Integration Results

RT: 4.36
Area: 5191
Amount: 0.004099
Amount Units: ng/ml



Reviewer: khanphomeea, 12-Aug-2022 08:55:06

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

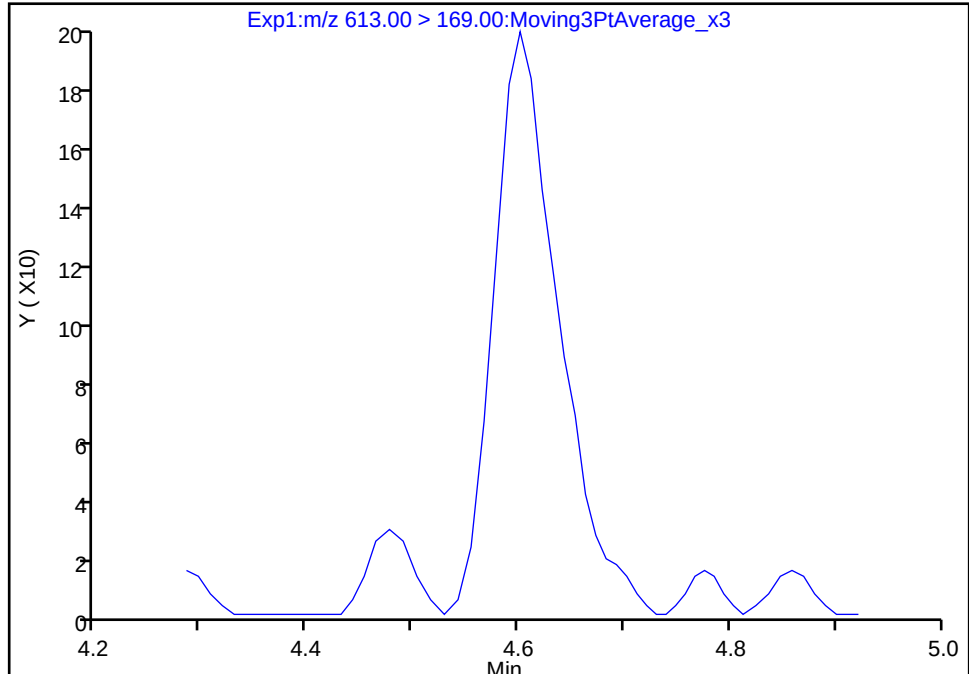
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A05.d
Injection Date: 11-Aug-2022 14:34:04 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

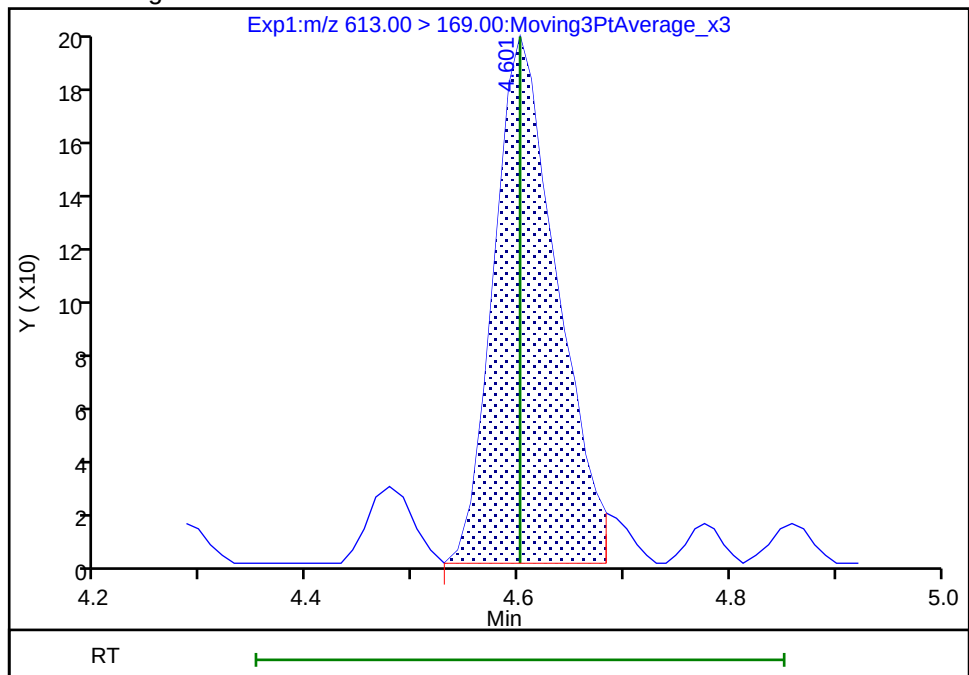
Not Detected
Expected RT: 4.60

Processing Integration Results



Manual Integration Results

RT: 4.60
Area: 821
Amount: 0.003962
Amount Units: ng/ml



Reviewer: khanphomeea, 12-Aug-2022 08:55:28

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

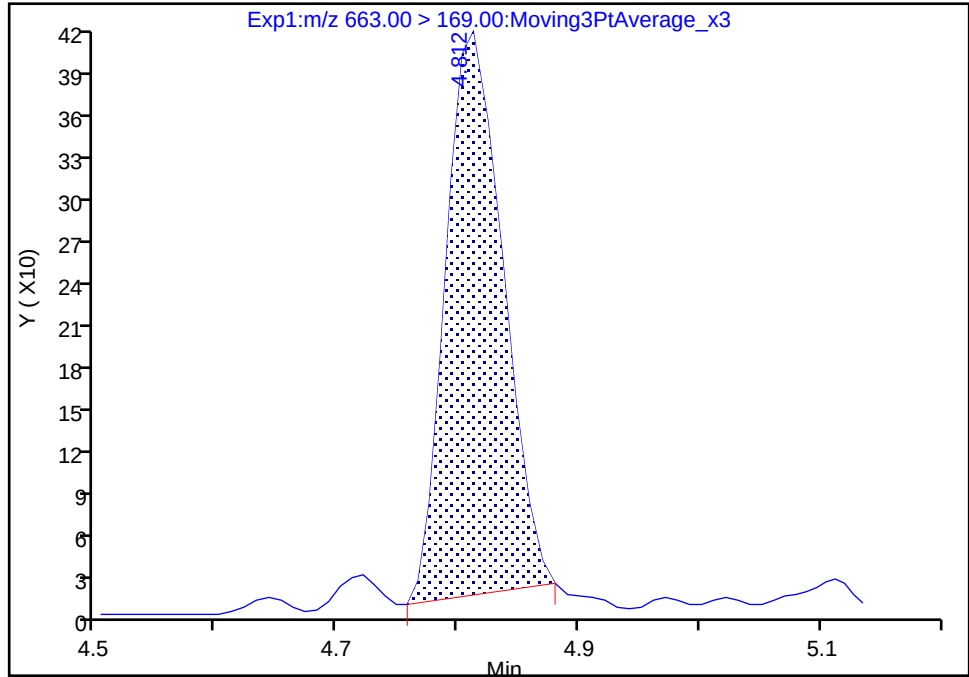
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A05.d
Injection Date: 11-Aug-2022 14:34:04 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

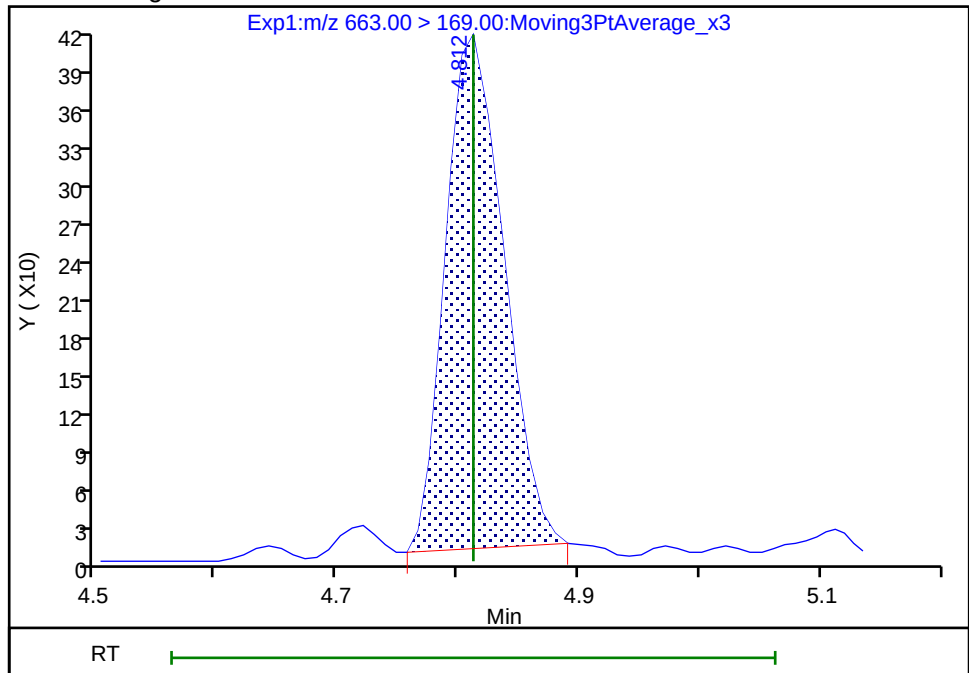
RT: 4.81
Area: 1312
Amount: 0.005099
Amount Units: ng/ml

Processing Integration Results



RT: 4.81
Area: 1347
Amount: 0.005184
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 12-Aug-2022 08:55:55

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

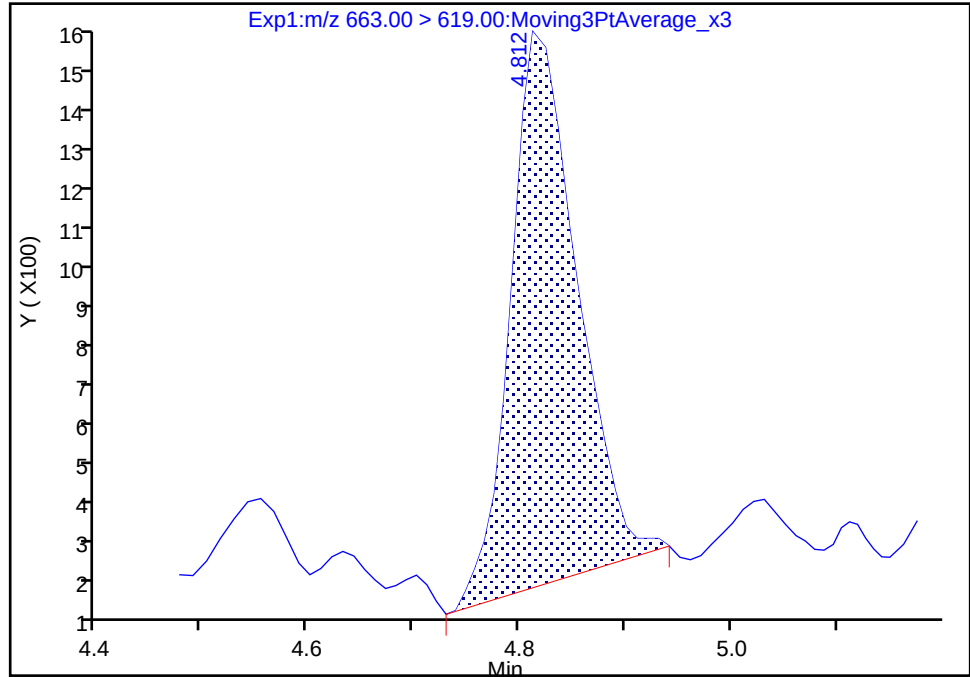
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A05.d
Injection Date: 11-Aug-2022 14:34:04 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

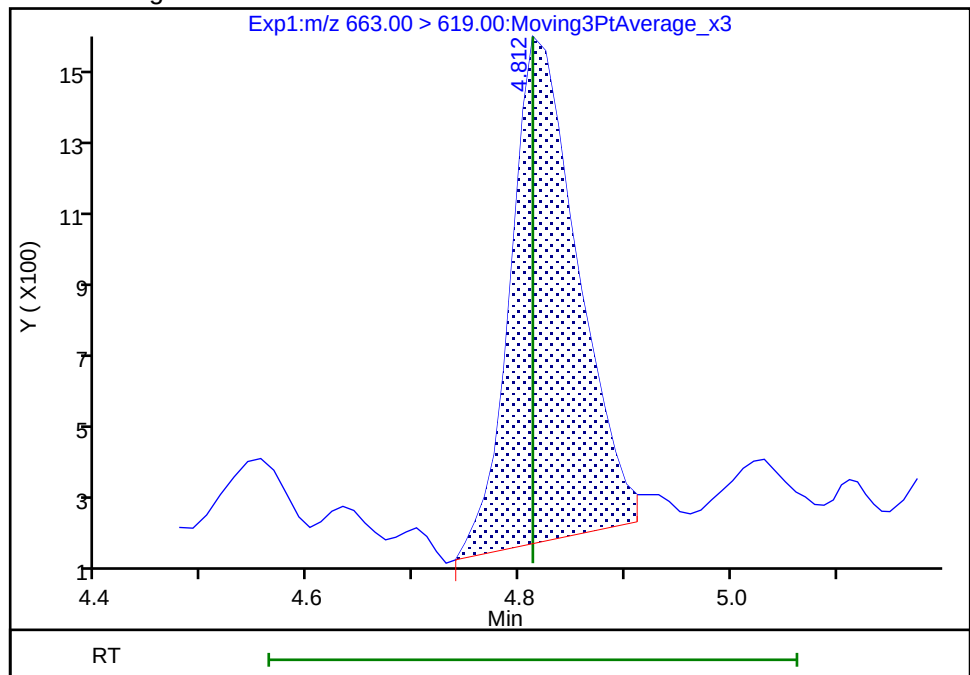
RT: 4.81
Area: 5818
Amount: 0.005099
Amount Units: ng/ml

Processing Integration Results



RT: 4.81
Area: 5915
Amount: 0.005184
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 12-Aug-2022 08:56:02

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

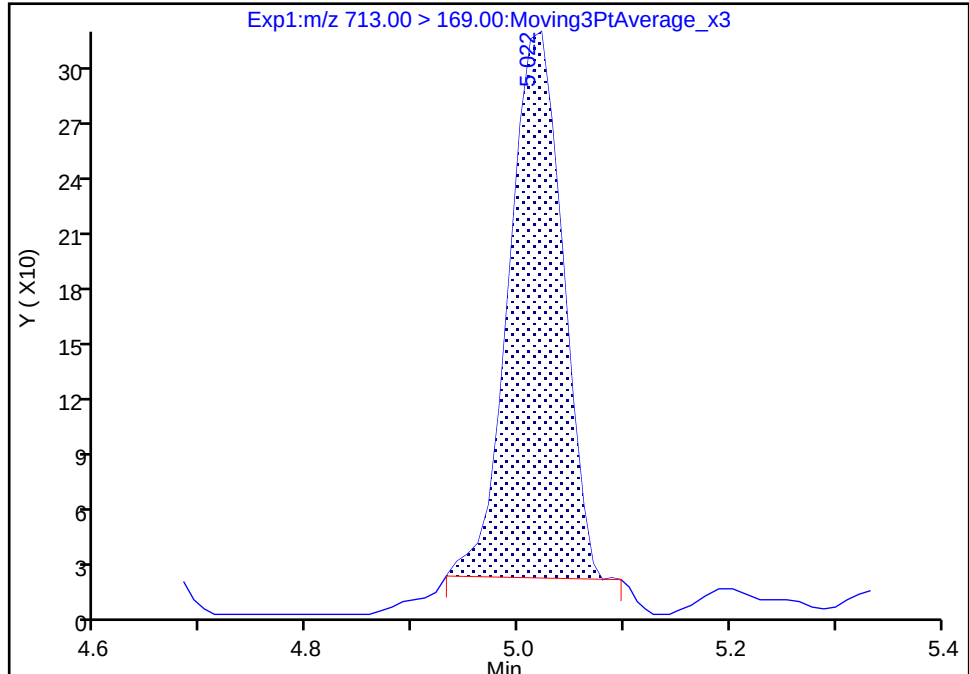
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A05.d
Injection Date: 11-Aug-2022 14:34:04 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

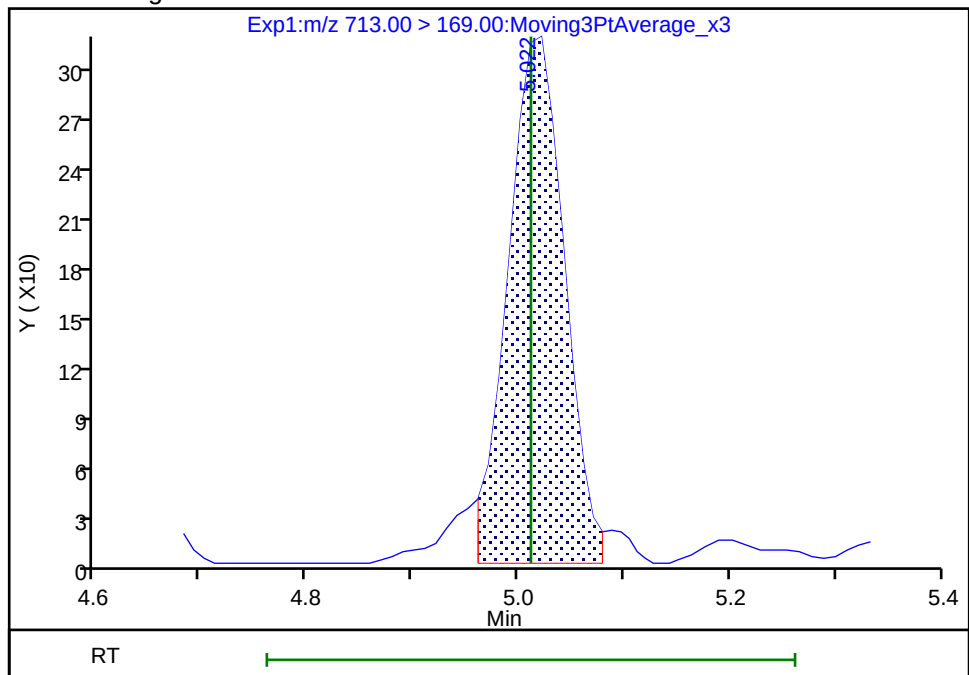
RT: 5.02
Area: 1054
Amount: 0.005557
Amount Units: ng/ml

Processing Integration Results



RT: 5.02
Area: 1176
Amount: 0.006261
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 12-Aug-2022 08:56:24

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

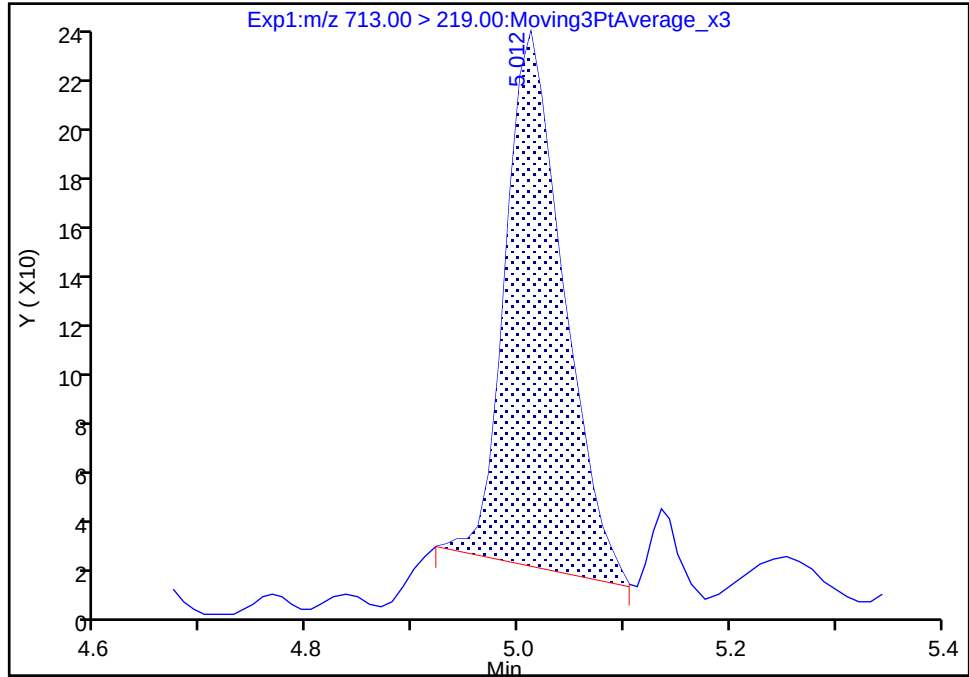
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A05.d
Injection Date: 11-Aug-2022 14:34:04 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

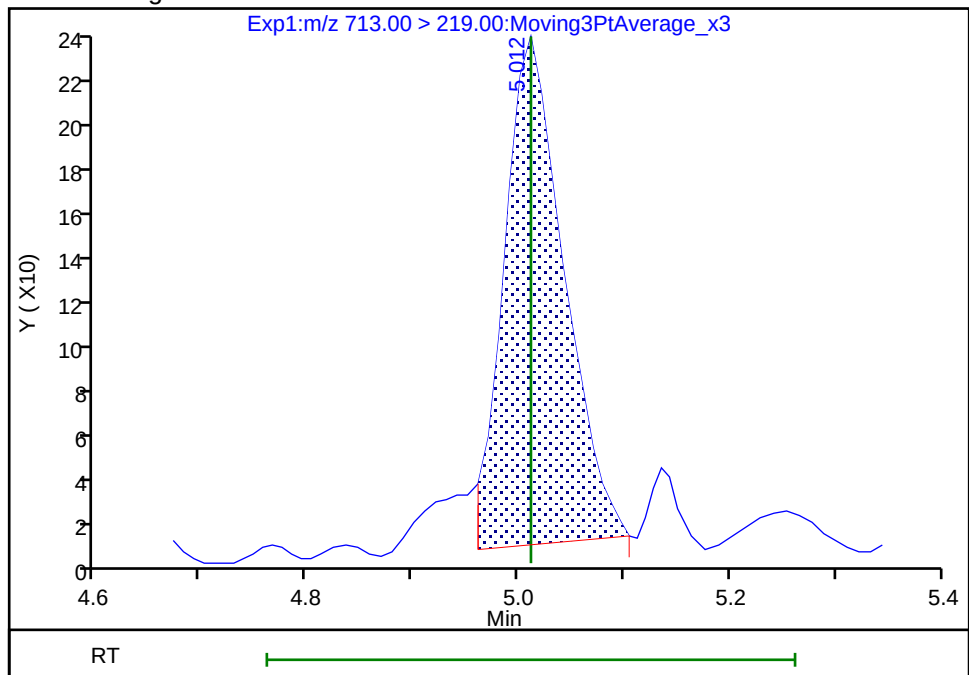
RT: 5.01
Area: 815
Amount: 0.005557
Amount Units: ng/ml

Processing Integration Results



RT: 5.01
Area: 875
Amount: 0.006261
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 12-Aug-2022 08:56:25

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

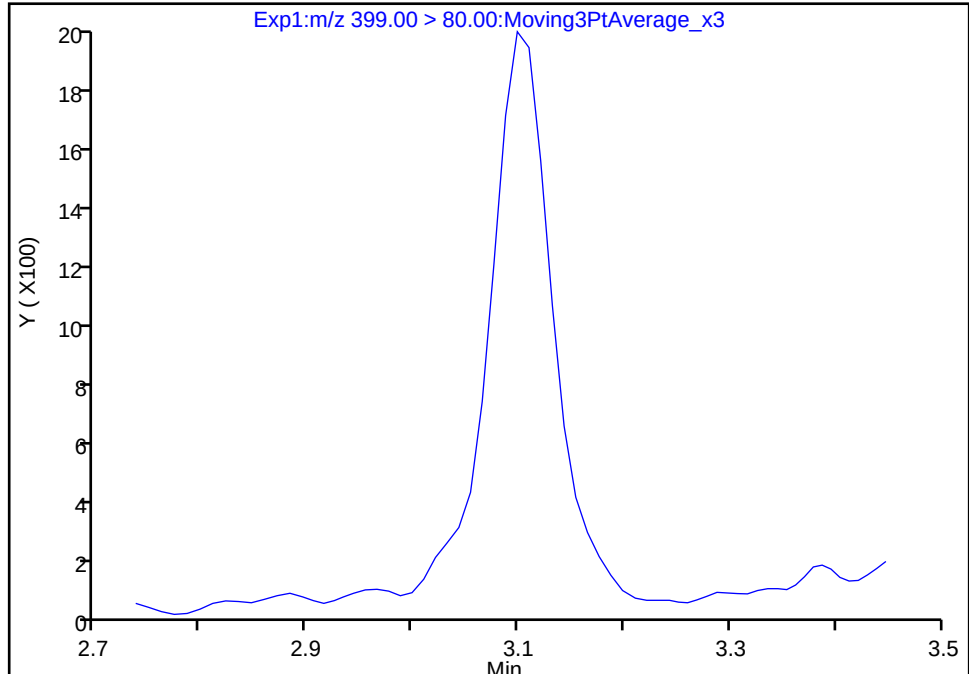
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A05.d
Injection Date: 11-Aug-2022 14:34:04 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

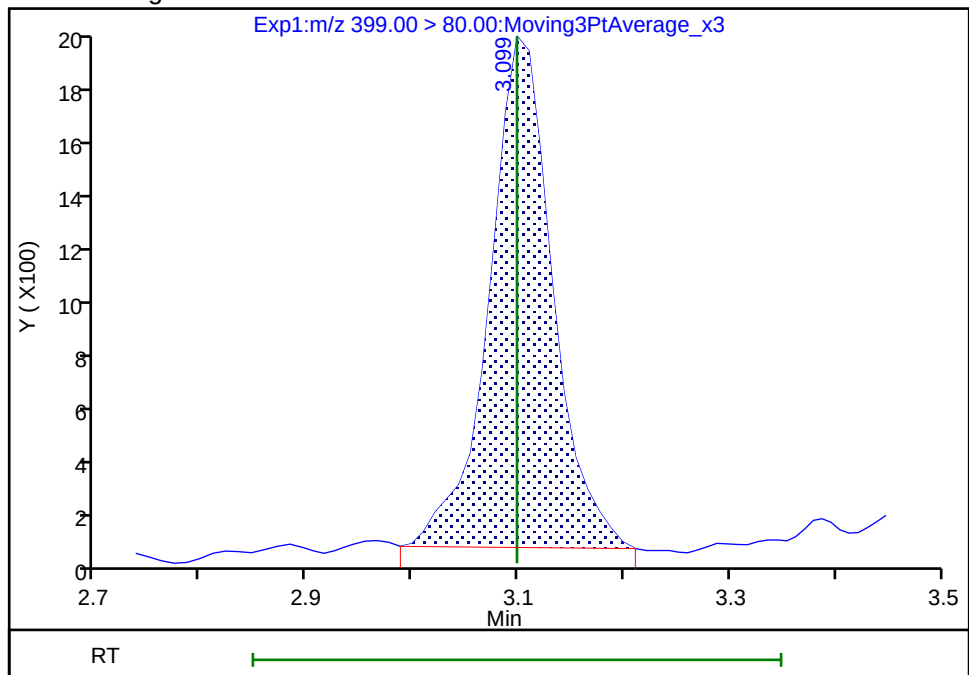
Not Detected
Expected RT: 3.10

Processing Integration Results



Manual Integration Results

RT: 3.10
Area: 7698
Amount: 0.005967
Amount Units: ng/ml



Reviewer: khanphomeea, 12-Aug-2022 08:51:29

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

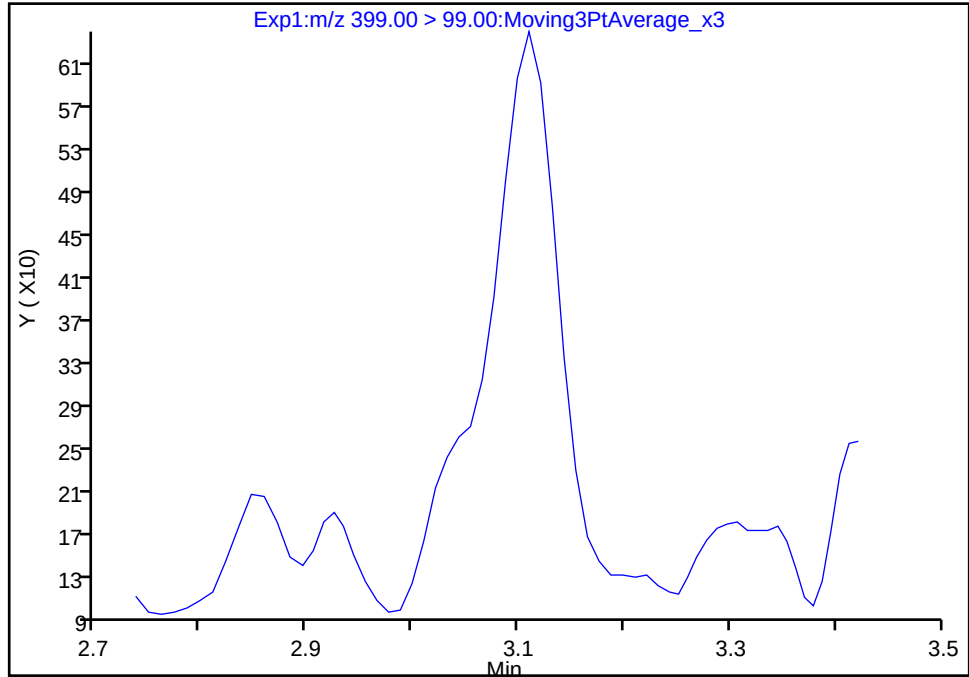
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A05.d
Injection Date: 11-Aug-2022 14:34:04 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

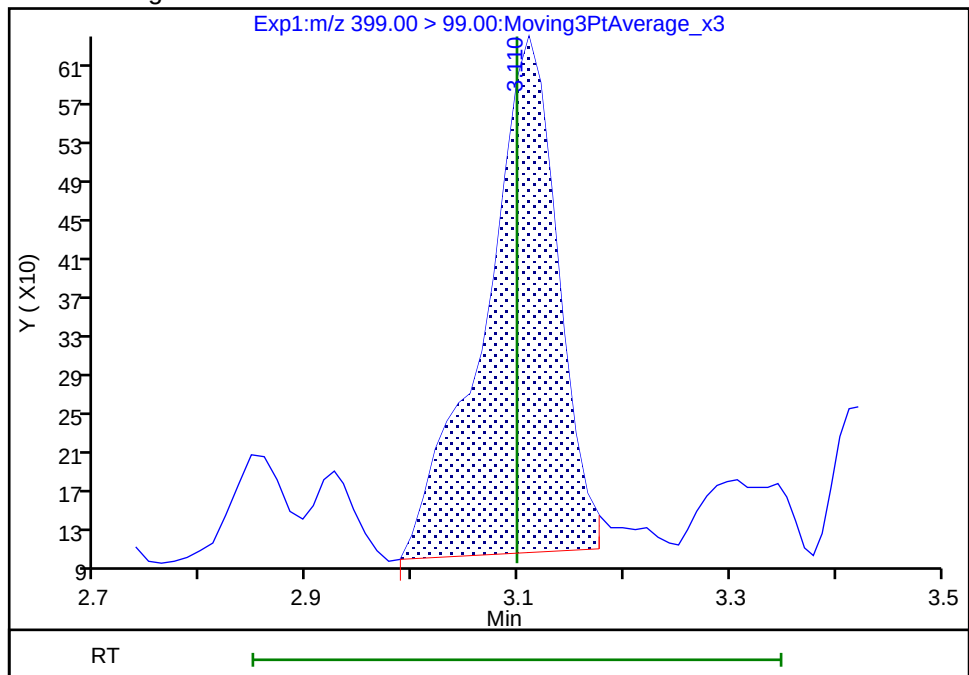
Not Detected
Expected RT: 3.10

Processing Integration Results



Manual Integration Results

RT: 3.11
Area: 2585
Amount: 0.005967
Amount Units: ng/ml



Reviewer: khanphomeea, 12-Aug-2022 08:51:33

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

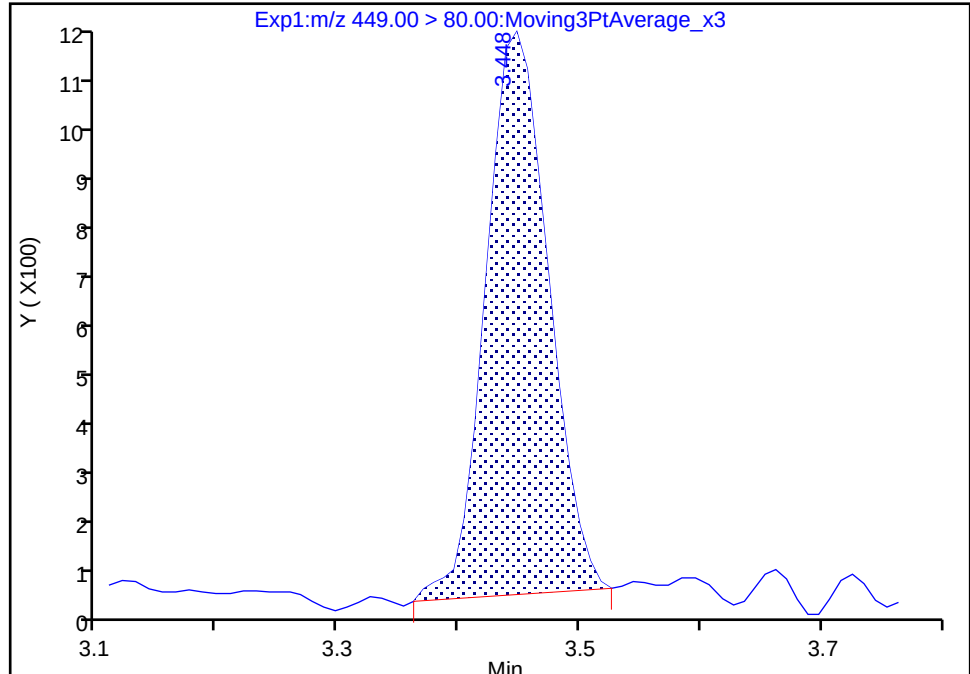
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A05.d
Injection Date: 11-Aug-2022 14:34:04 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

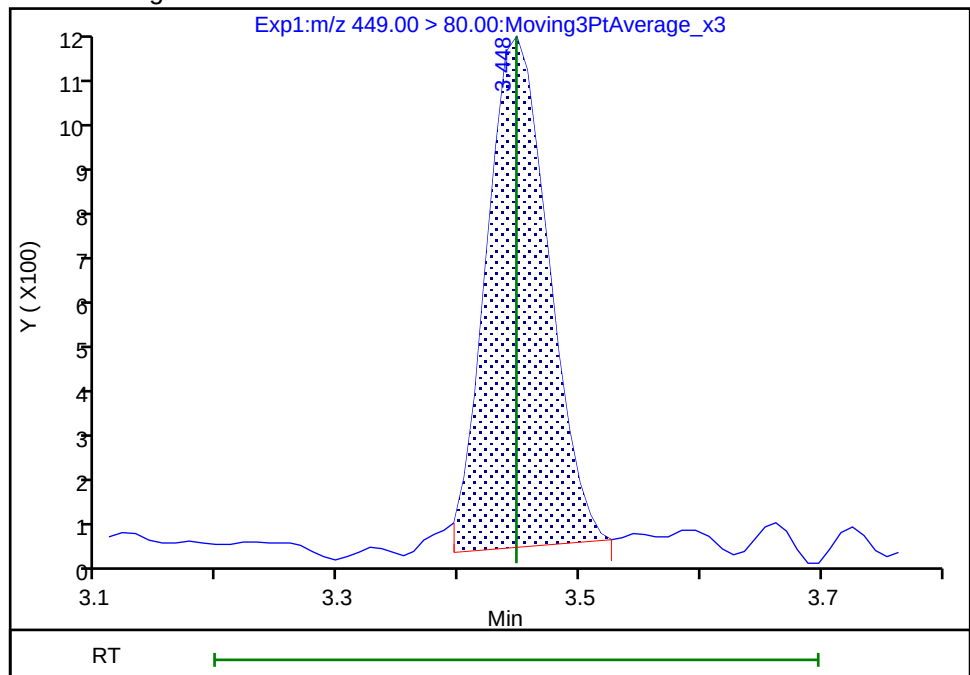
RT: 3.45
Area: 3900
Amount: 0.003648
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 3865
Amount: 0.003656
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 12-Aug-2022 08:52:46

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A05.d

Injection Date: 11-Aug-2022 14:34:04

Instrument ID: LC812

Lims ID: CCB

Client ID:

Operator ID: lc812tech

ALS Bottle#:

3

Worklist Smp#: 5

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

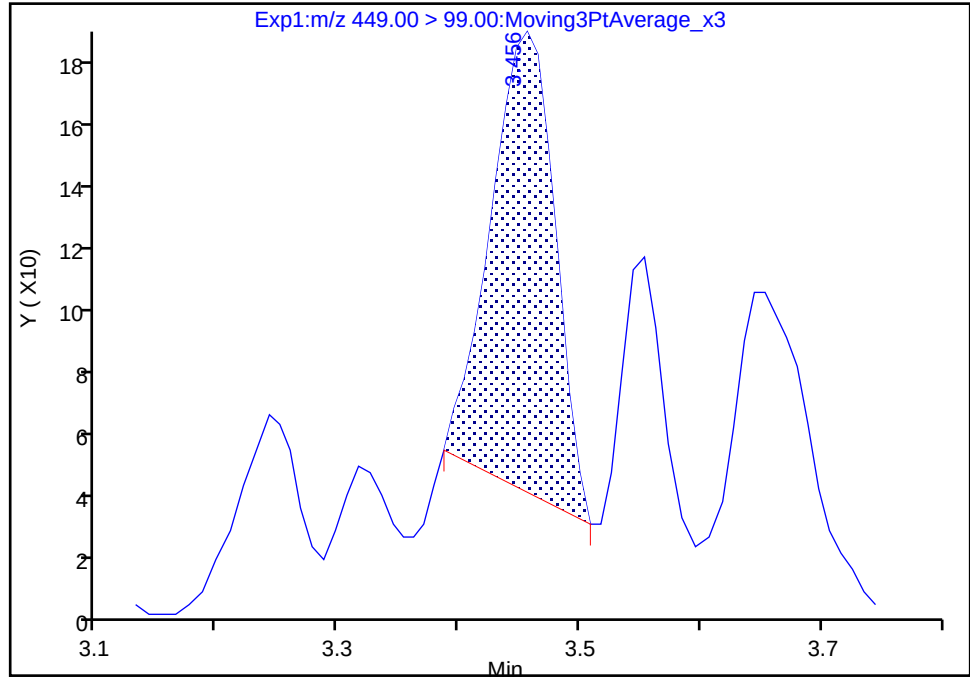
EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

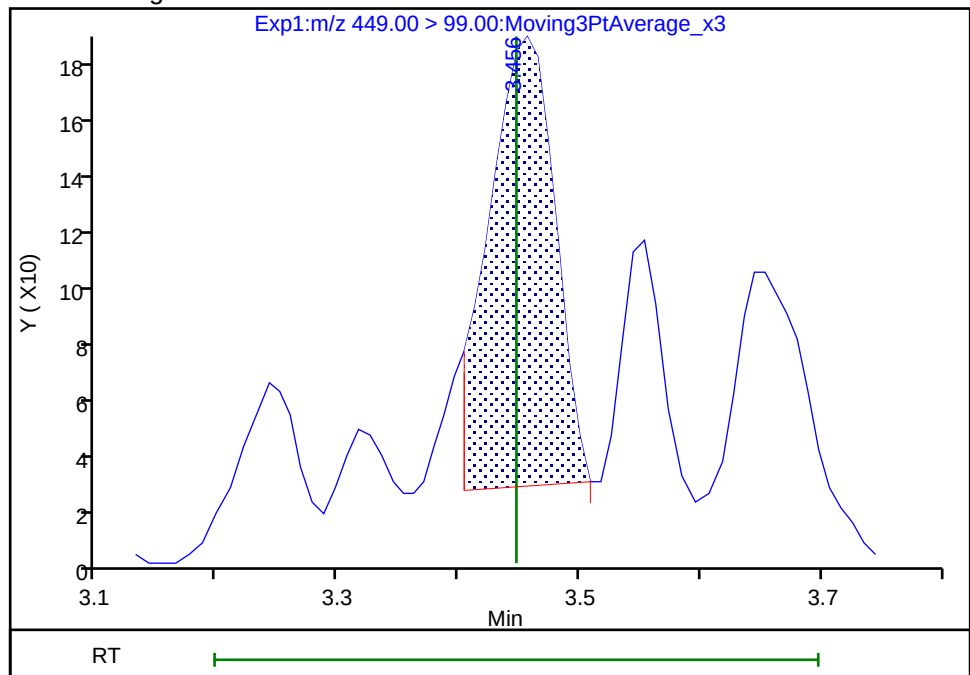
RT: 3.46
Area: 527
Amount: 0.003648
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 584
Amount: 0.003656
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 12-Aug-2022 08:52:47

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

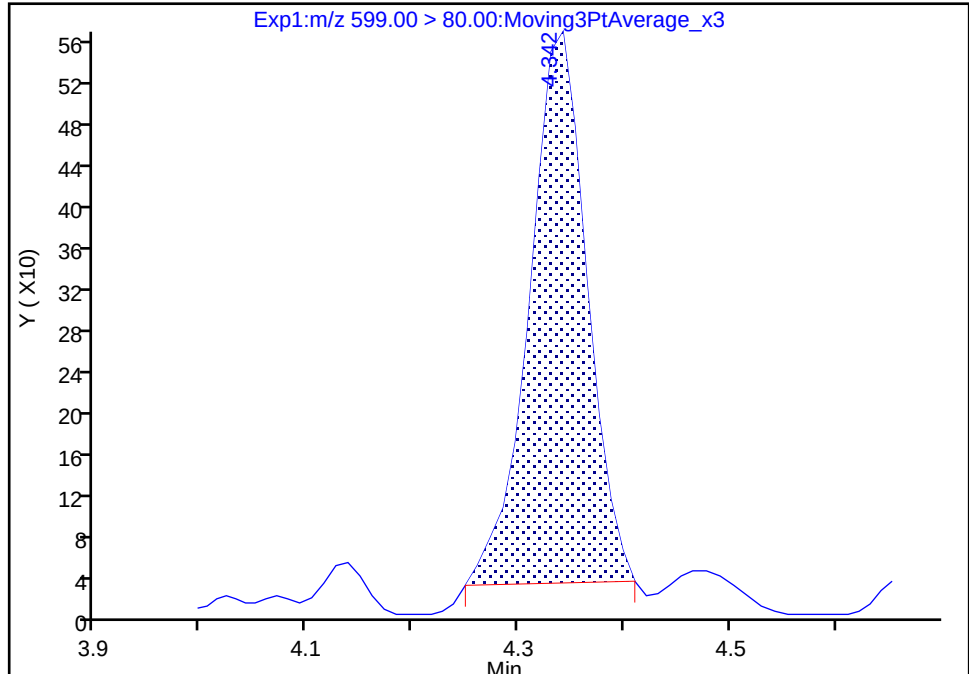
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A05.d
Injection Date: 11-Aug-2022 14:34:04 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

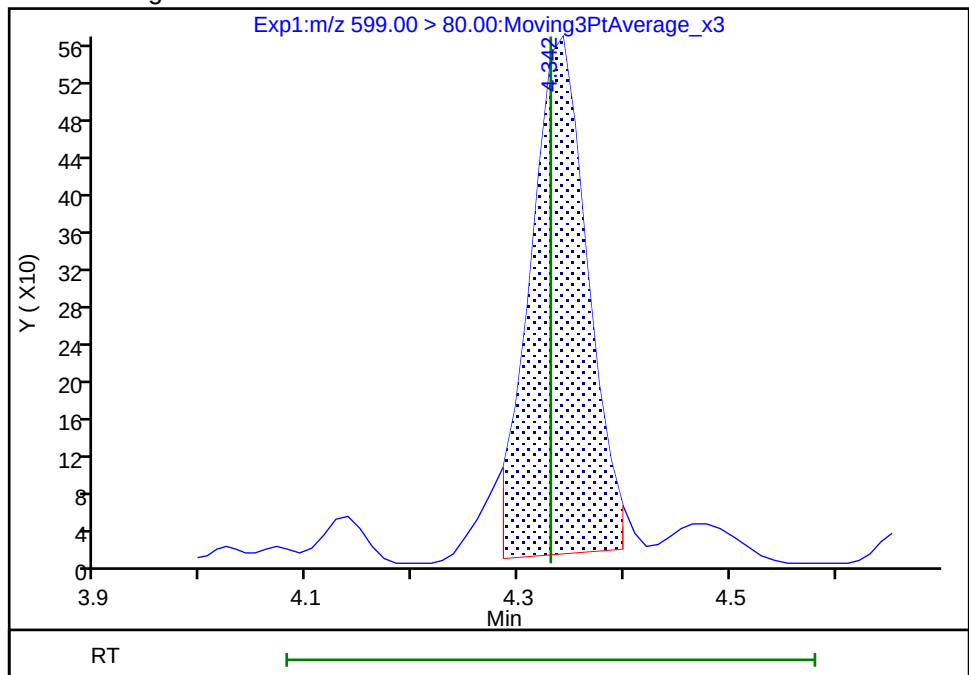
RT: 4.34
Area: 2011
Amount: 0.003990
Amount Units: ng/ml

Processing Integration Results



RT: 4.34
Area: 2066
Amount: 0.004146
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 12-Aug-2022 08:54:55

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A05.d

Injection Date: 11-Aug-2022 14:34:04

Instrument ID: LC812

Lims ID: CCB

Client ID:

Operator ID: lc812tech

ALS Bottle#:

3

Worklist Smp#: 5

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector: EXP1

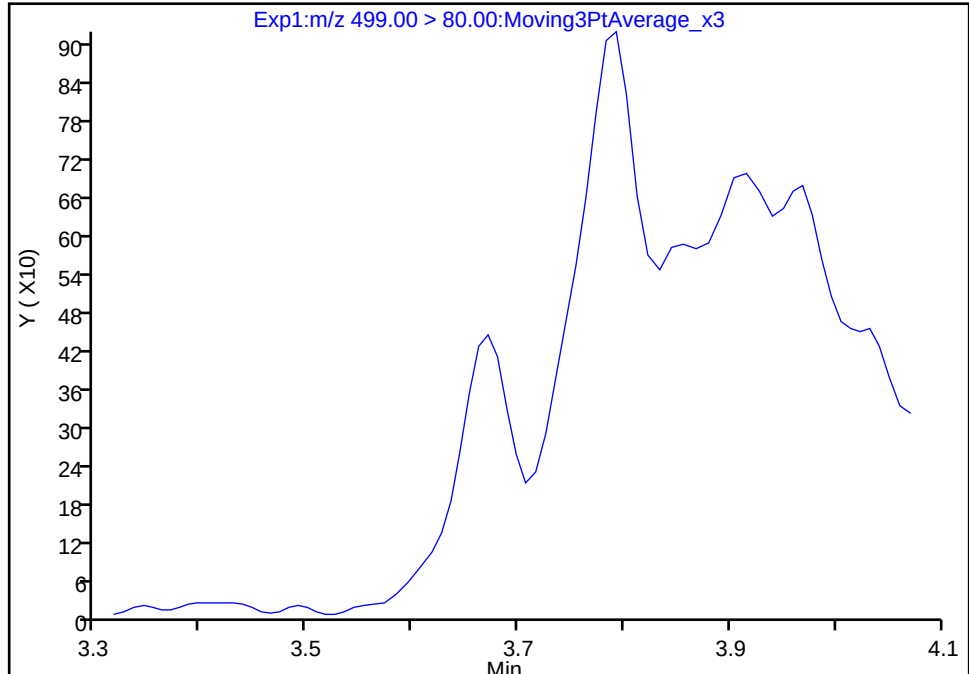
17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

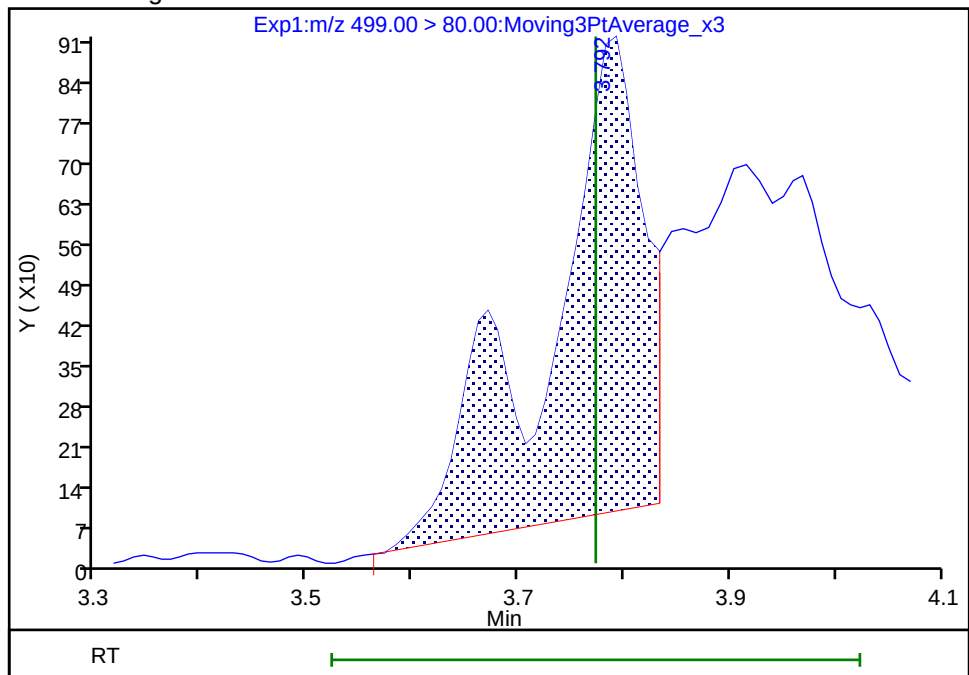
Not Detected

Expected RT: 3.77

Processing Integration Results



Manual Integration Results



RT: 3.79

Area: 5143

Amount: -0.012429

Amount Units: ng/ml

Reviewer: khanphomeea, 12-Aug-2022 08:53:16

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

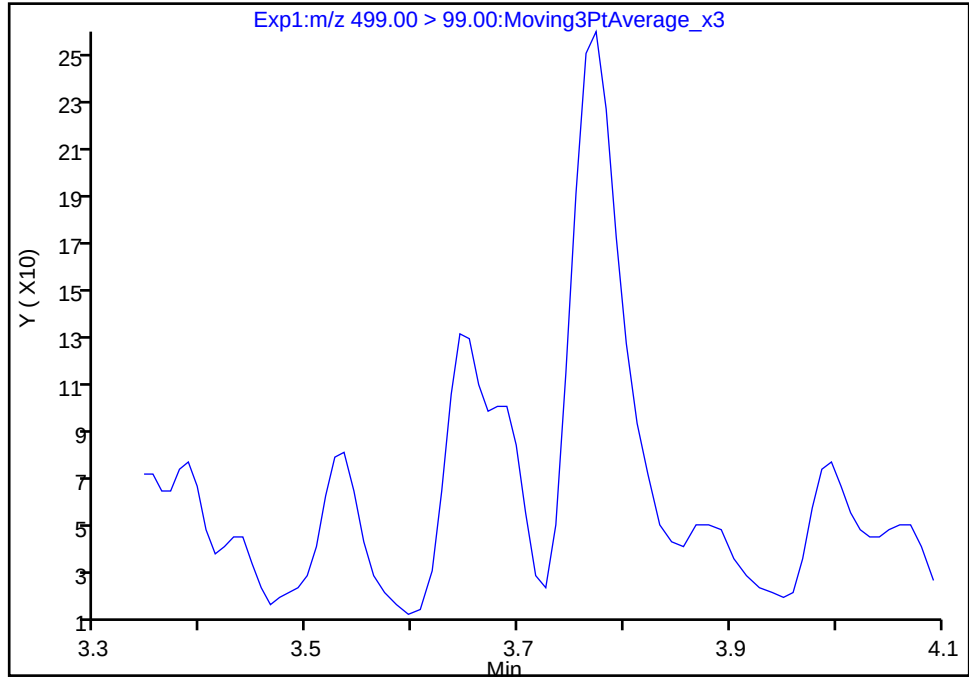
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A05.d
Injection Date: 11-Aug-2022 14:34:04 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

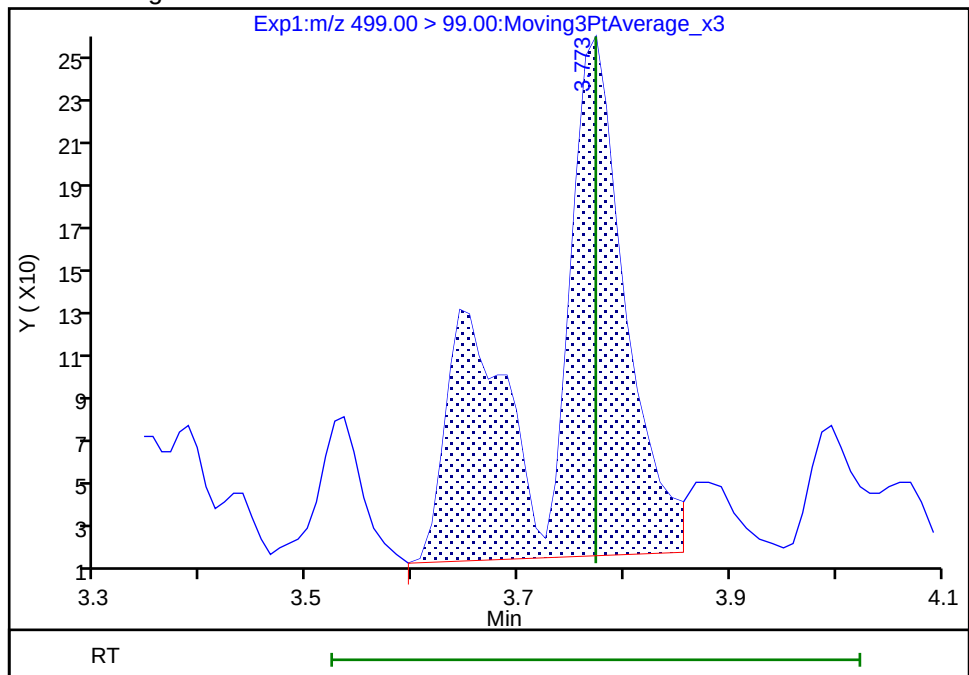
Not Detected
Expected RT: 3.77

Processing Integration Results



Manual Integration Results

RT: 3.77
Area: 1295
Amount: -0.012429
Amount Units: ng/ml



Reviewer: khanphomeea, 12-Aug-2022 08:53:30

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

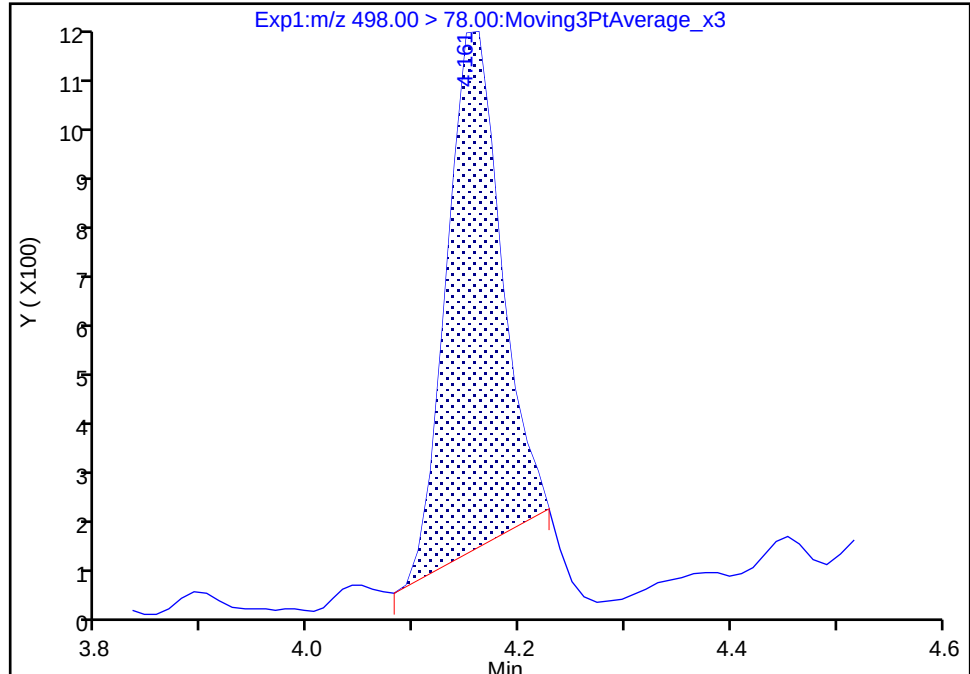
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A05.d
Injection Date: 11-Aug-2022 14:34:04 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

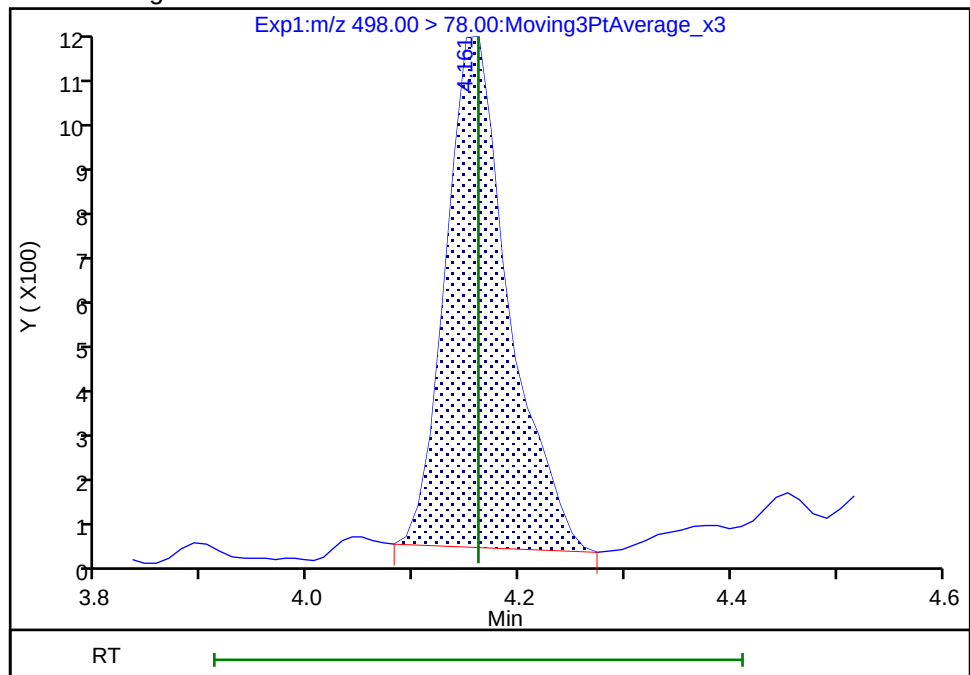
RT: 4.16
Area: 3704
Amount: 0.002678
Amount Units: ng/ml

Processing Integration Results



RT: 4.16
Area: 4660
Amount: 0.003399
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 12-Aug-2022 08:54:42

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

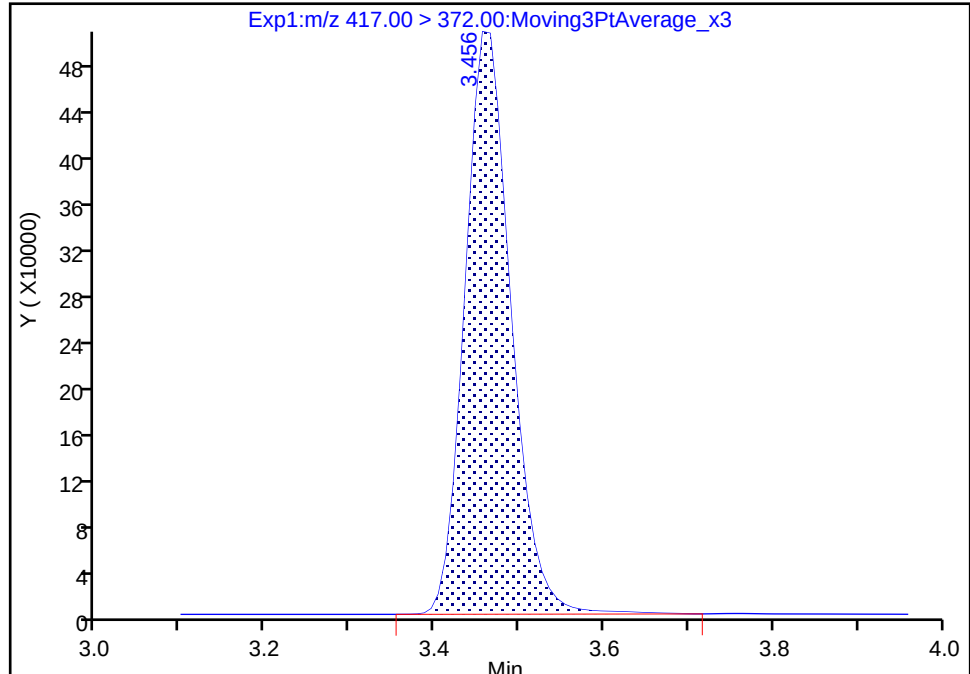
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A05.d
Injection Date: 11-Aug-2022 14:34:04 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 14 13C4 PFOA, CAS: STL00990

Signal: 1

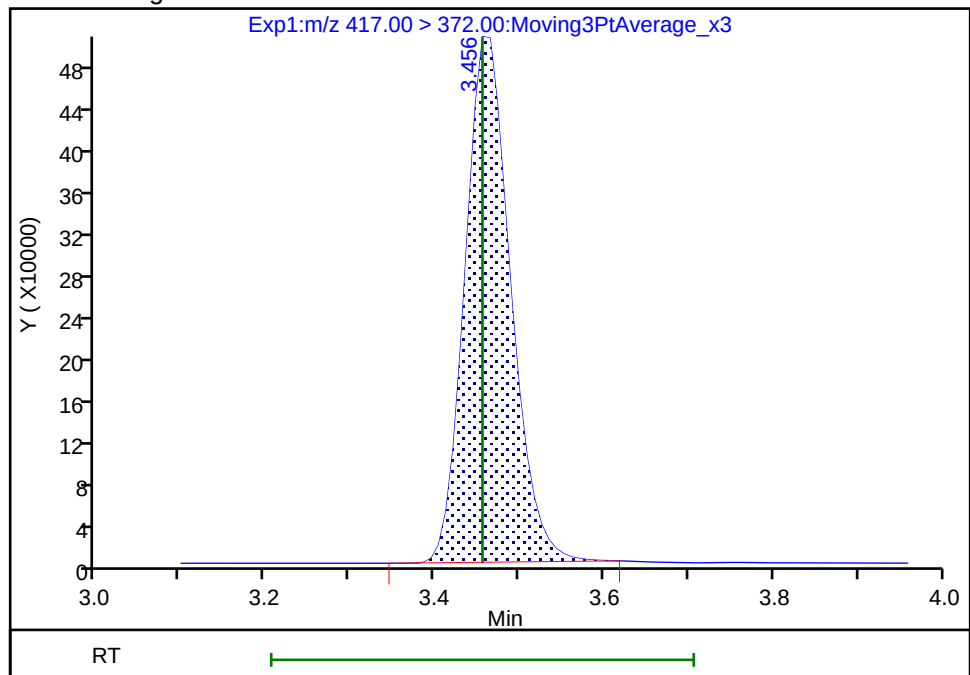
RT: 3.46
Area: 1920311
Amount: 1.218147
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 1899215
Amount: 1.204764
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 07:50:53

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

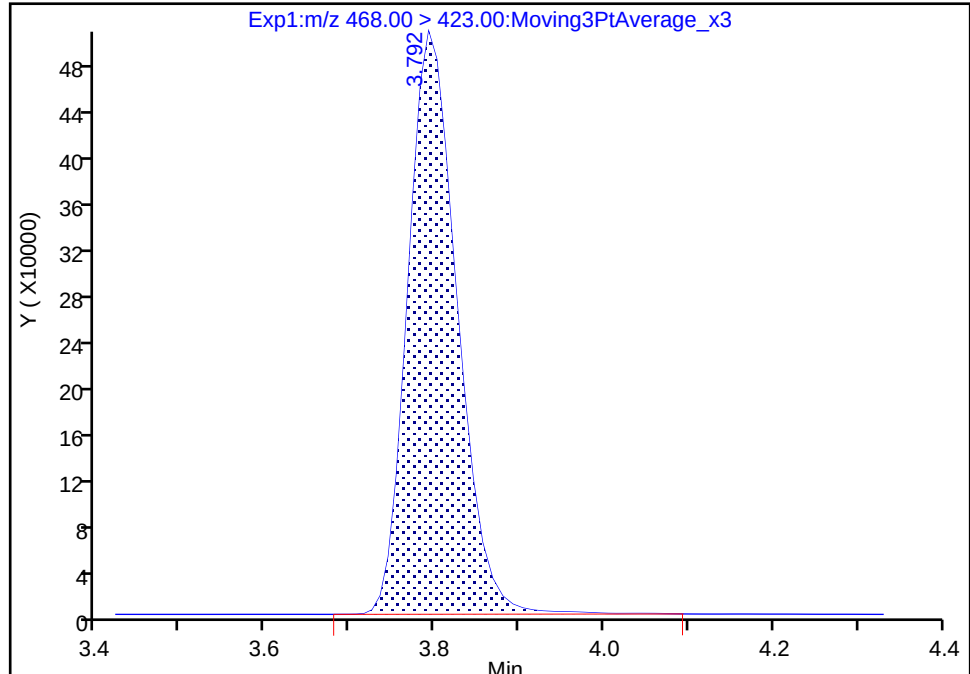
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A05.d
Injection Date: 11-Aug-2022 14:34:04 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 19 13C5 PFNA, CAS: STL00995

Signal: 1

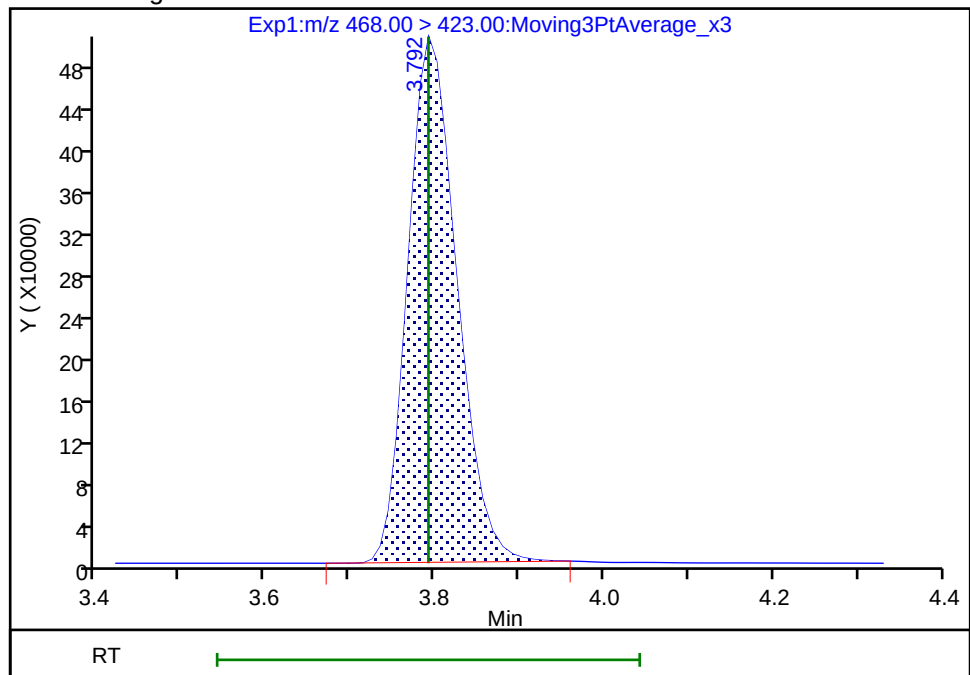
RT: 3.79
Area: 2023888
Amount: 1.236638
Amount Units: ng/ml

Processing Integration Results



RT: 3.79
Area: 2003342
Amount: 1.224084
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 07:51:06

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

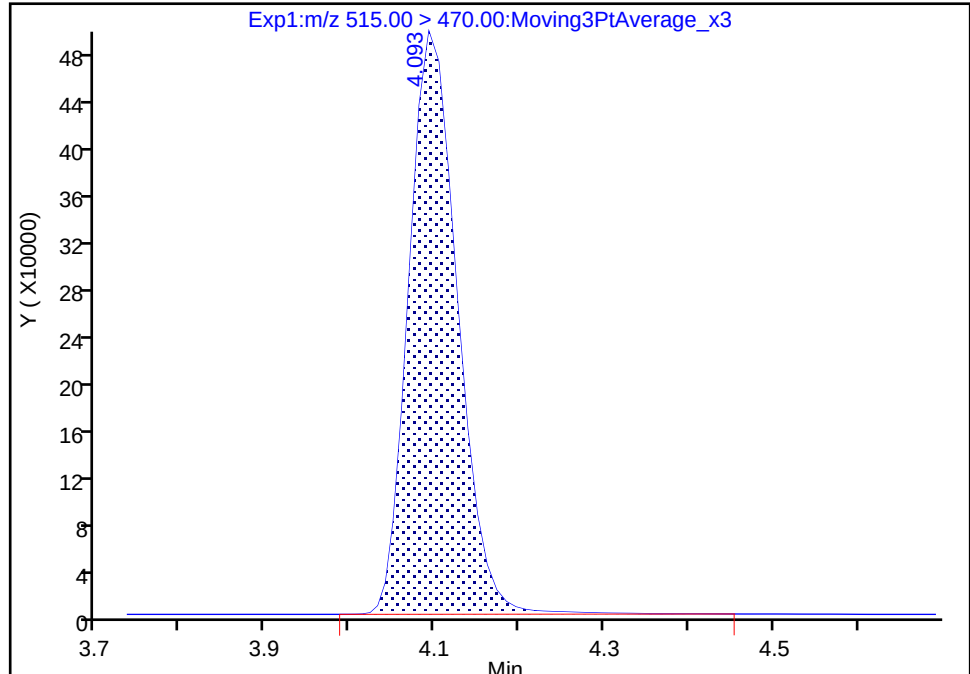
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A05.d
Injection Date: 11-Aug-2022 14:34:04 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 23 13C2 PFDA, CAS: STL00996

Signal: 1

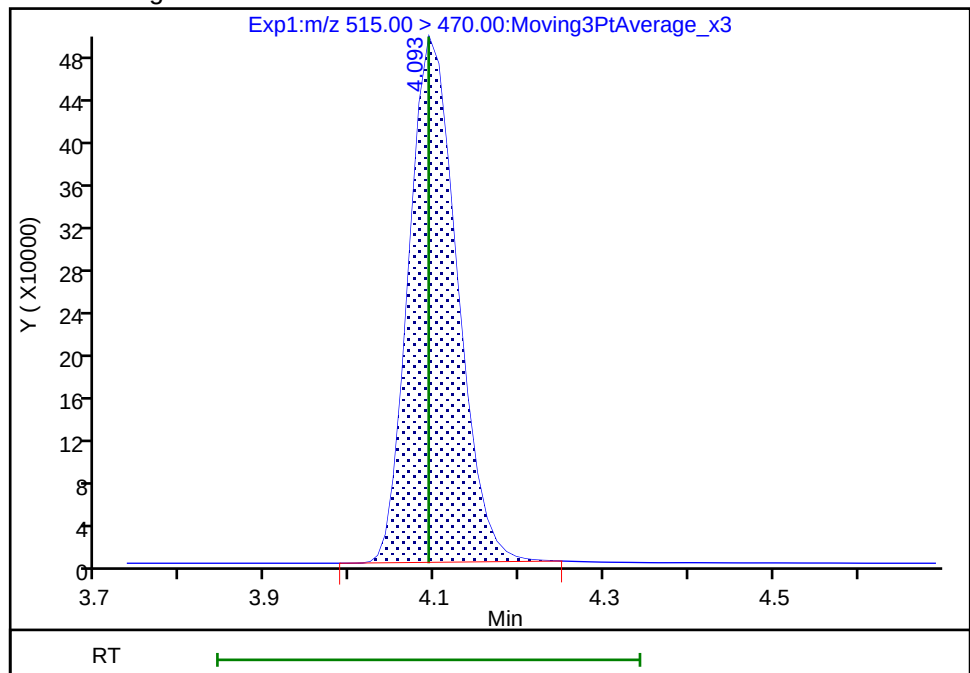
RT: 4.09
Area: 1972794
Amount: 1.238569
Amount Units: ng/ml

Processing Integration Results



RT: 4.09
Area: 1951268
Amount: 1.225055
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 07:51:12
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1339 of 1695

08/18/2022

Eurofins Burlington

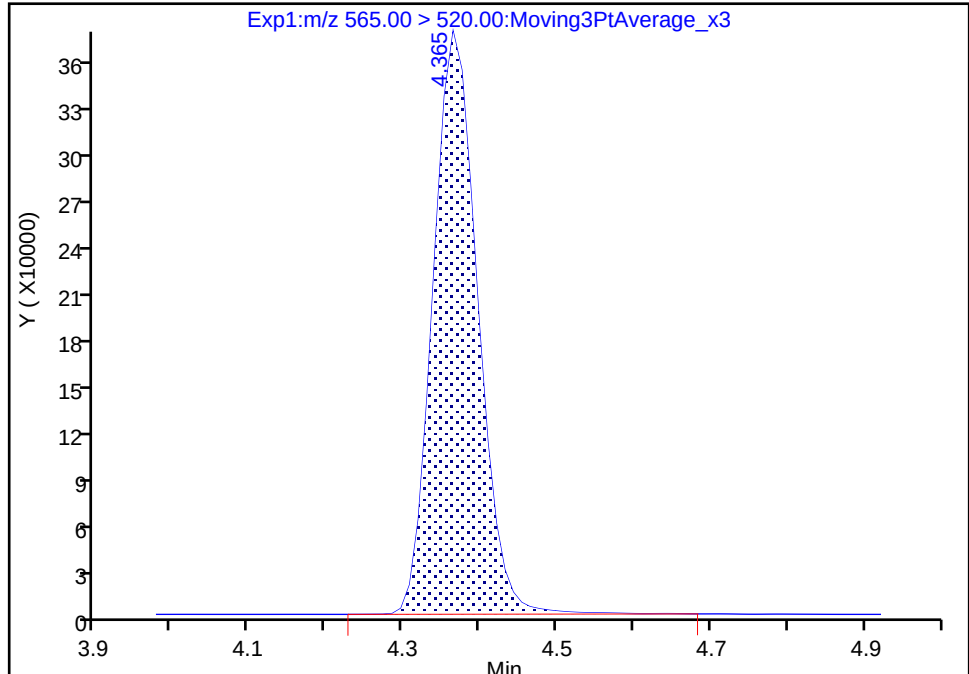
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A05.d
Injection Date: 11-Aug-2022 14:34:04 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

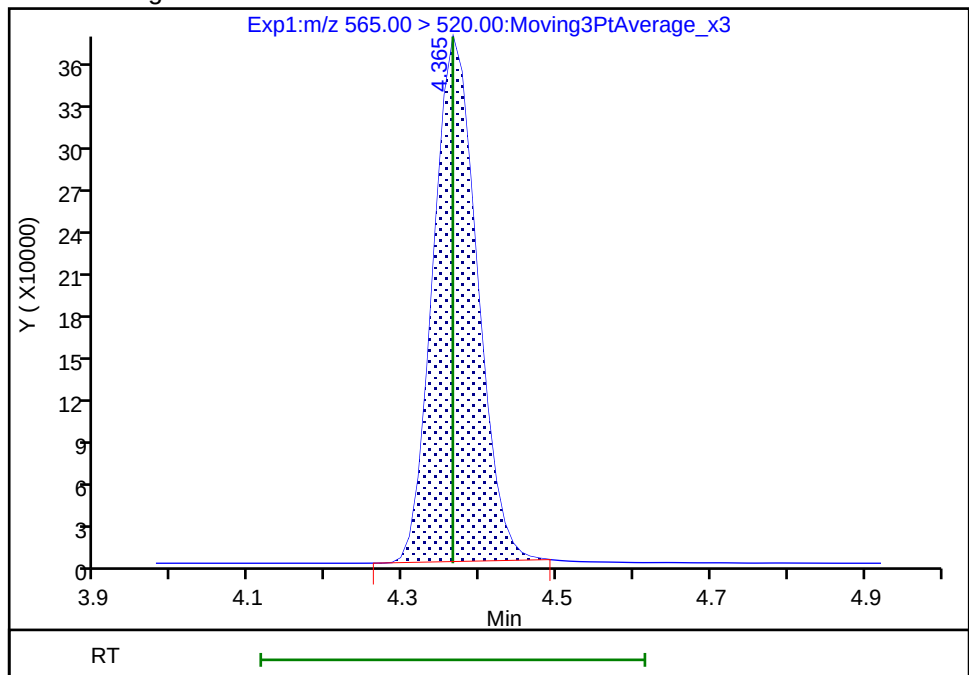
RT: 4.36
Area: 1518447
Amount: 1.258213
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 1494254
Amount: 1.238166
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 07:51:36
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1340 of 1695

08/18/2022

Eurofins Burlington

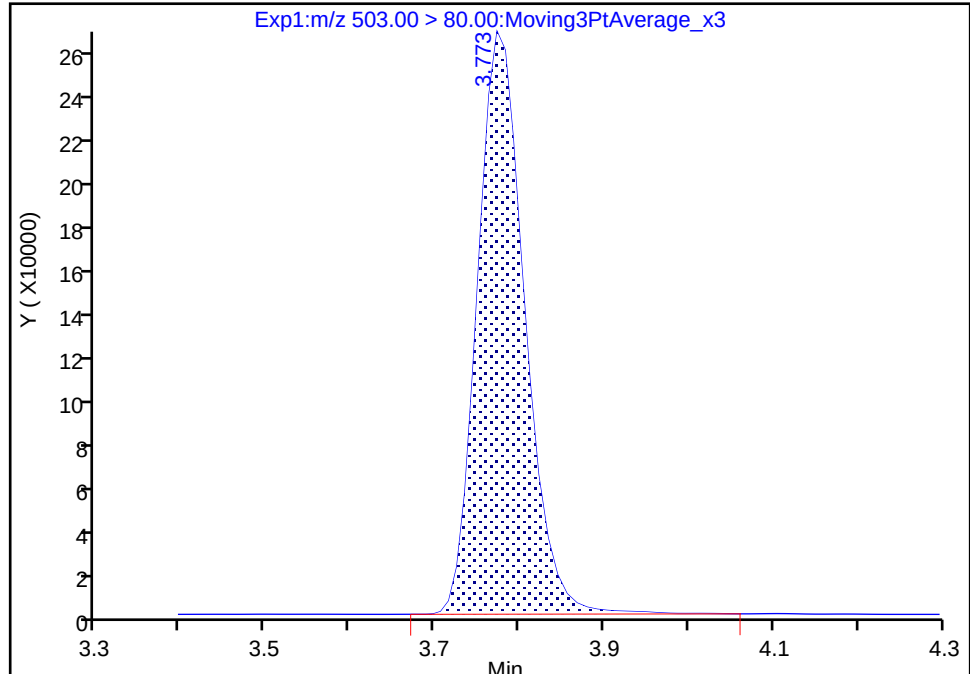
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A05.d
Injection Date: 11-Aug-2022 14:34:04 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 18 13C4 PFOS, CAS: STL00991

Signal: 1

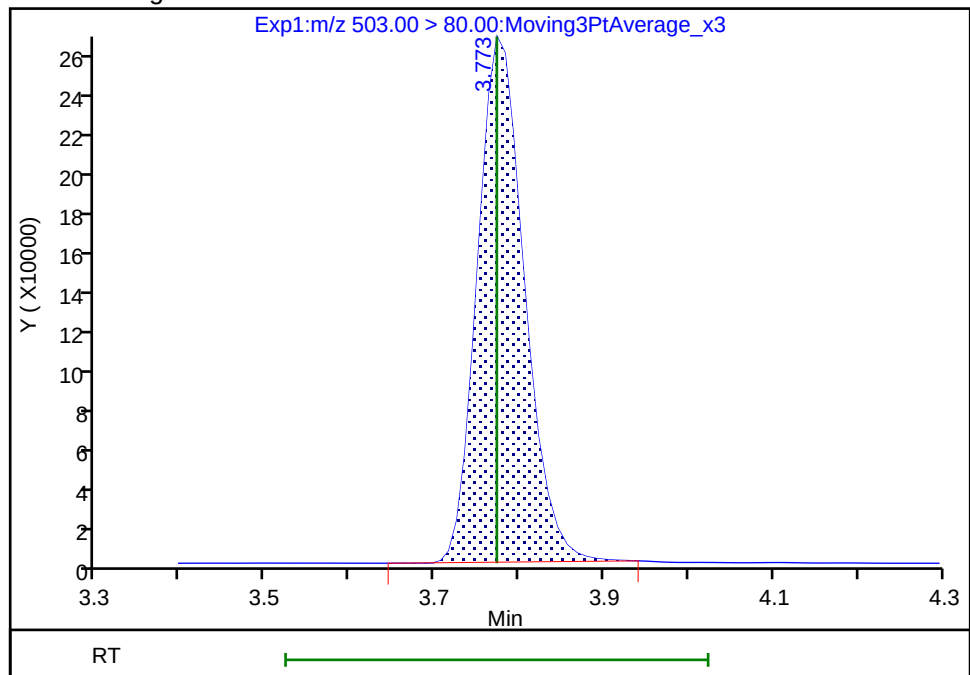
RT: 3.77
Area: 1033595
Amount: 1.144965
Amount Units: ng/ml

Processing Integration Results



RT: 3.77
Area: 1022067
Amount: 1.132195
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 07:50:59
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1341 of 1695

08/18/2022

Eurofins Burlington

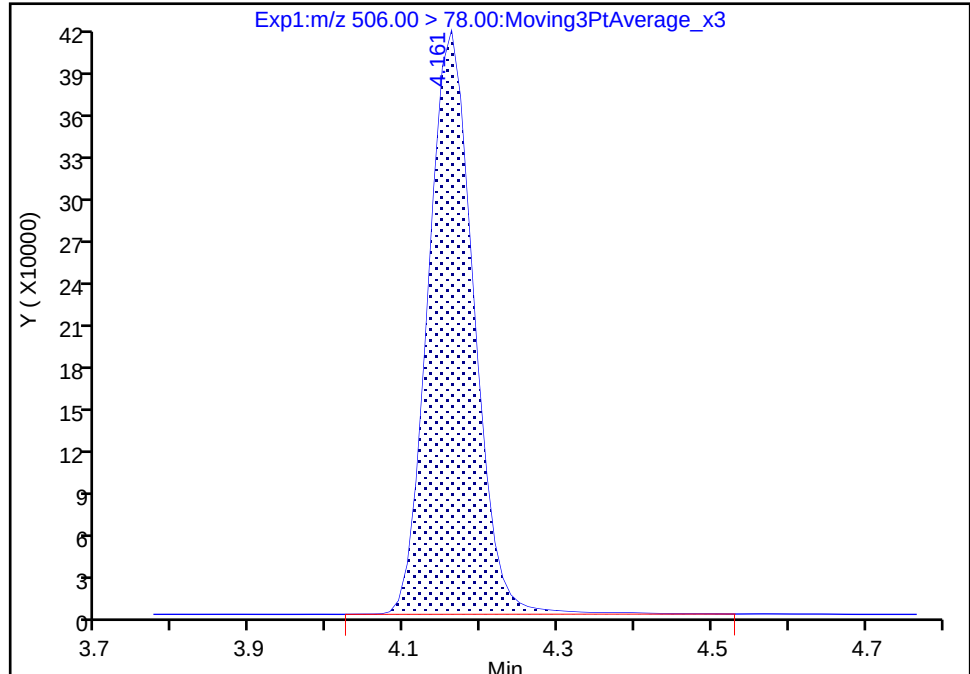
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A05.d
Injection Date: 11-Aug-2022 14:34:04 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

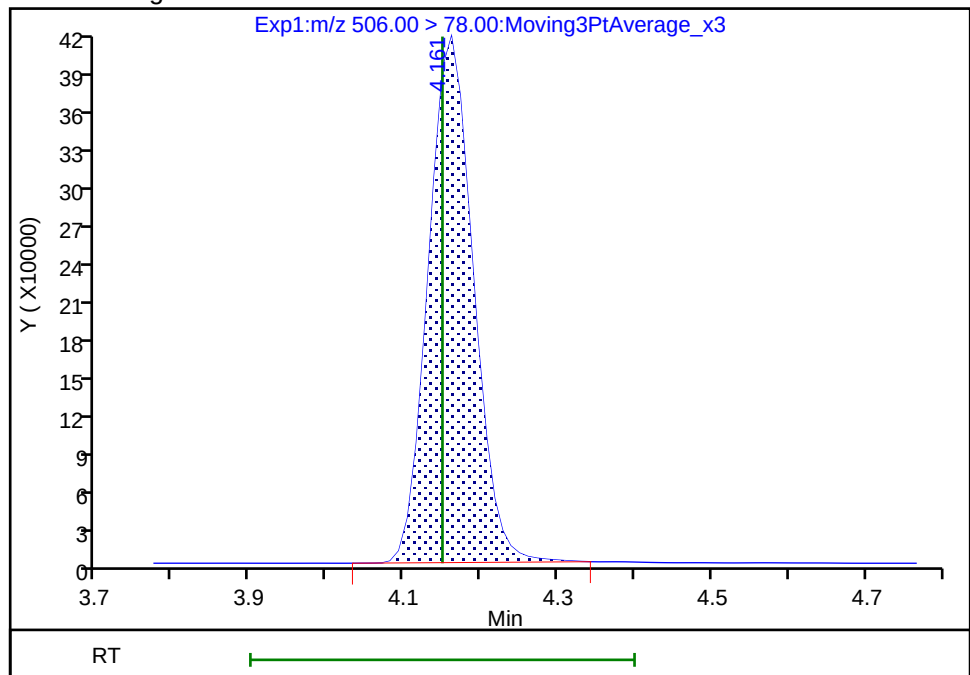
RT: 4.16
Area: 1696897
Amount: 1.217236
Amount Units: ng/ml

Processing Integration Results



RT: 4.16
Area: 1681793
Amount: 1.206401
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 07:51:24
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

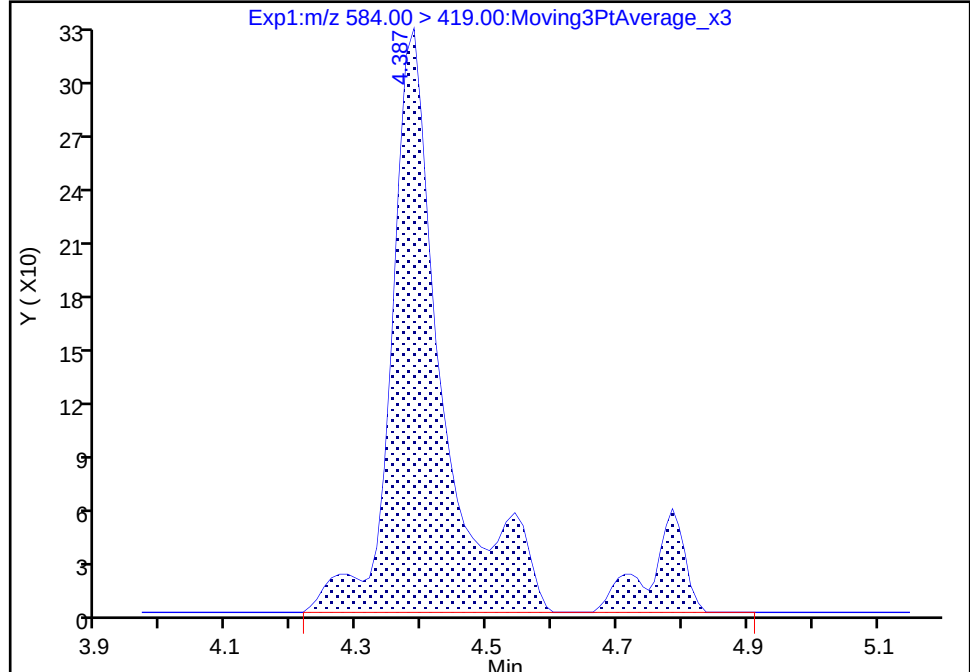
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A05.d
Injection Date: 11-Aug-2022 14:34:04 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

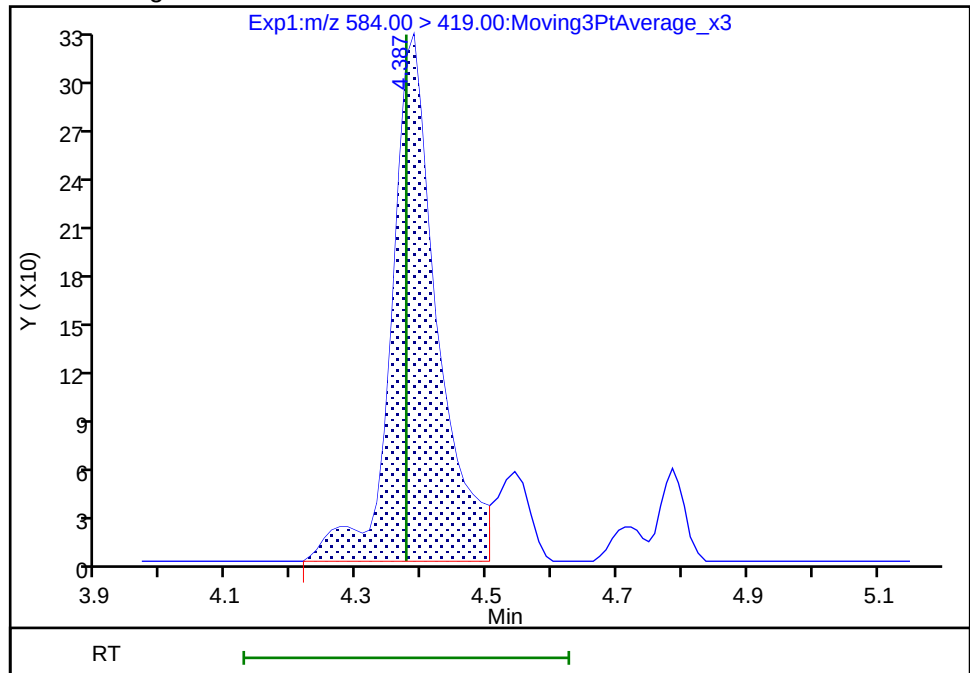
RT: 4.39
Area: 1977
Amount: 0.010902
Amount Units: ng/ml

Processing Integration Results



RT: 4.39
Area: 1569
Amount: 0.008761
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 12-Aug-2022 08:55:13

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

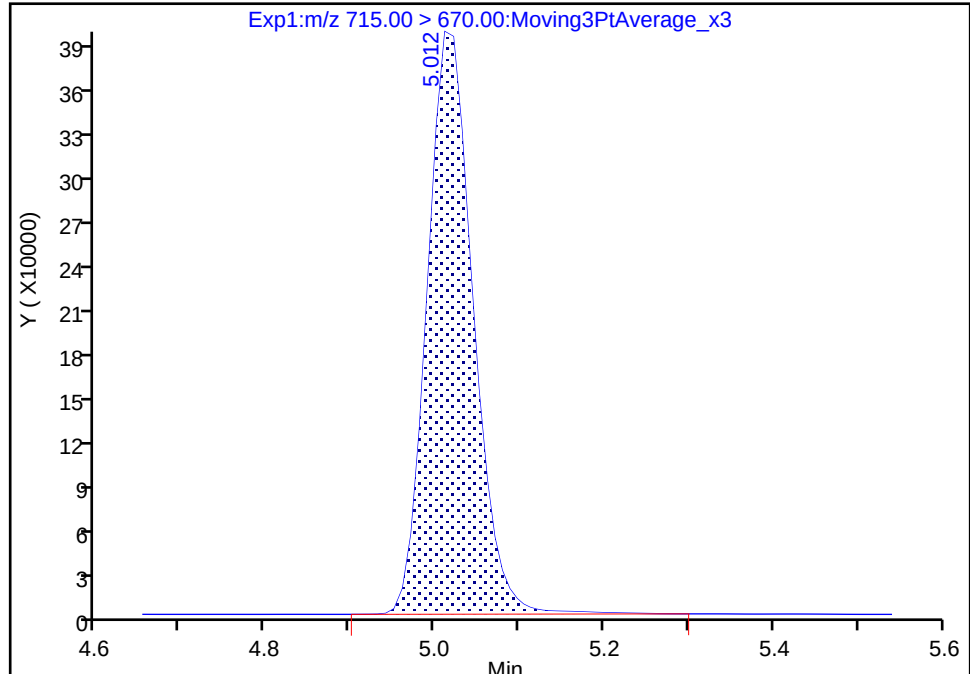
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A05.d
Injection Date: 11-Aug-2022 14:34:04 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

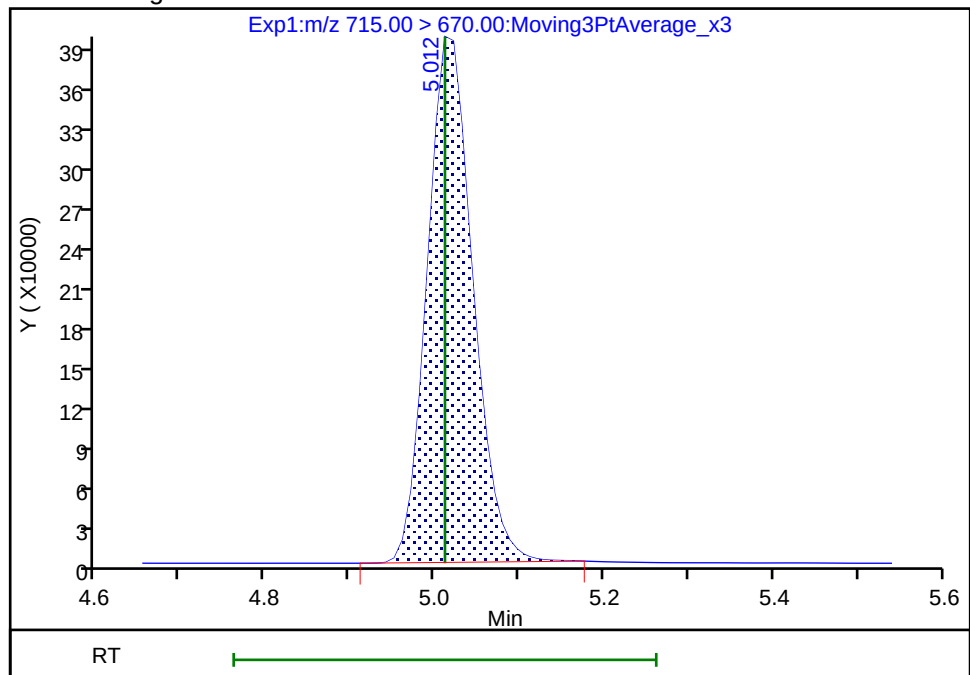
RT: 5.01
Area: 1479791
Amount: 1.447509
Amount Units: ng/ml

Processing Integration Results



RT: 5.01
Area: 1465497
Amount: 1.433527
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 07:51:54
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

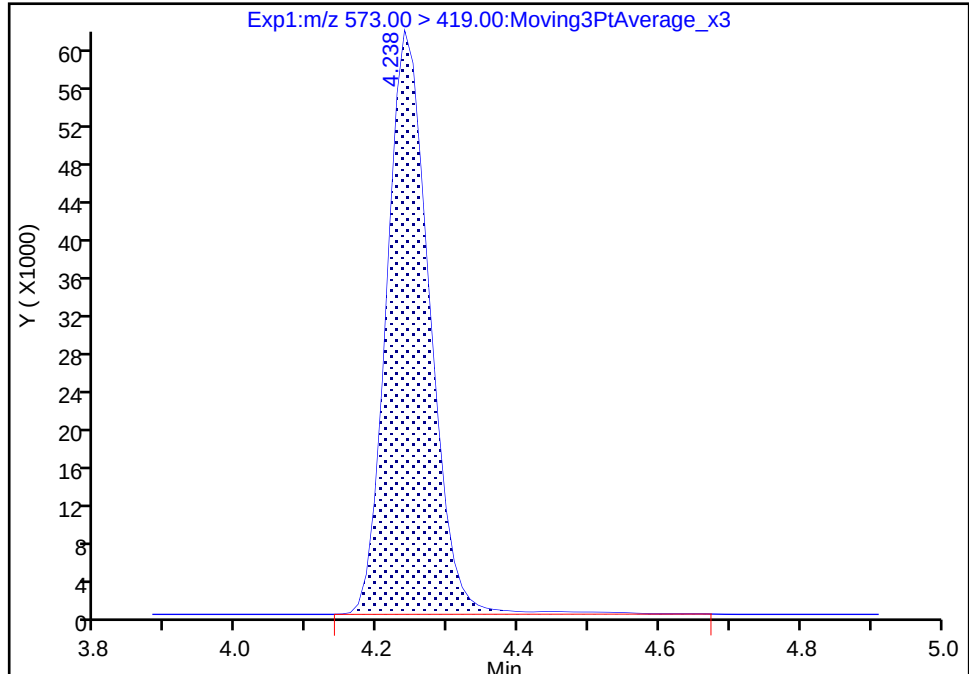
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A05.d
Injection Date: 11-Aug-2022 14:34:04 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

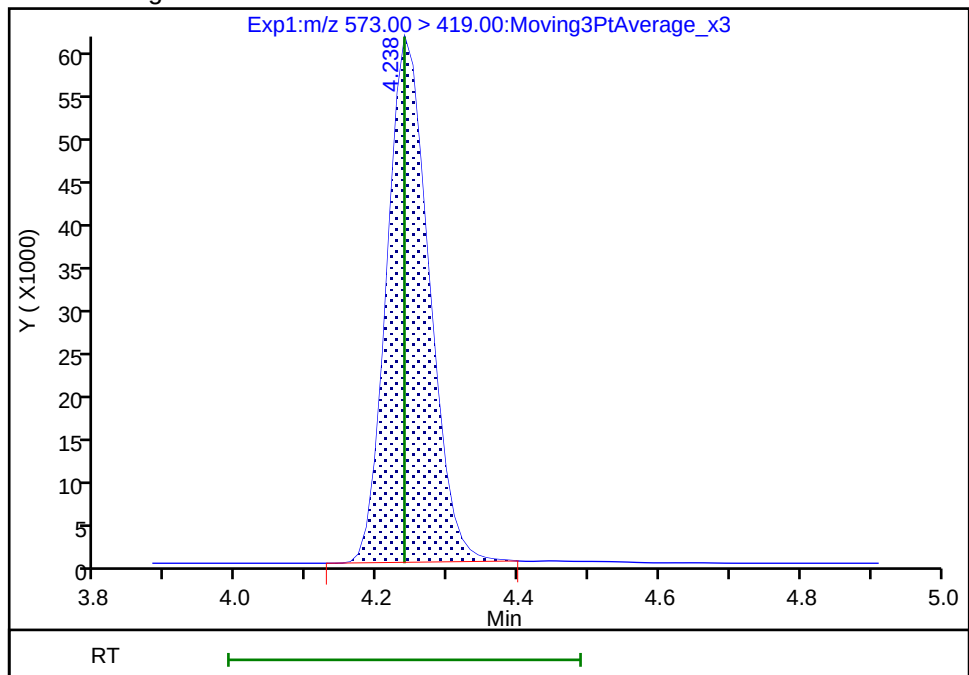
RT: 4.24
Area: 258944
Amount: 1.212935
Amount Units: ng/ml

Processing Integration Results



RT: 4.24
Area: 254820
Amount: 1.193617
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 07:51:29
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1345 of 1695

08/18/2022

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A05.d

Injection Date: 11-Aug-2022 14:34:04

Instrument ID: LC812

Lims ID: CCB

Client ID:

Operator ID: lc812tech

ALS Bottle#:

3

Worklist Smp#: 5

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

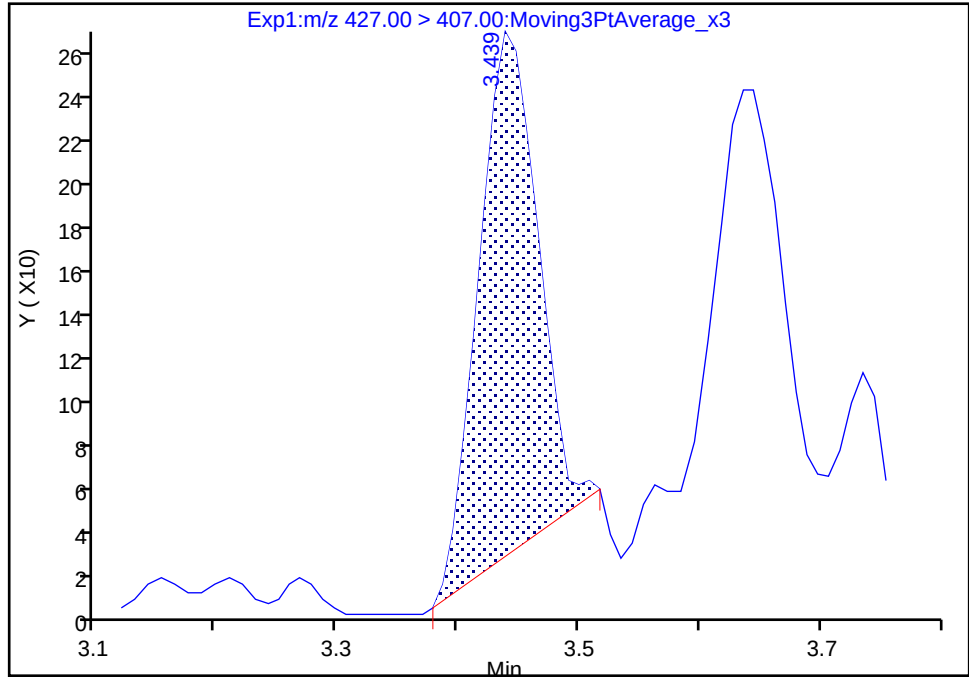
Detector: EXP1

13 1H,1H,2H,2H-perfluorooctanesulfo, CAS: 27619-97-2

Signal: 1

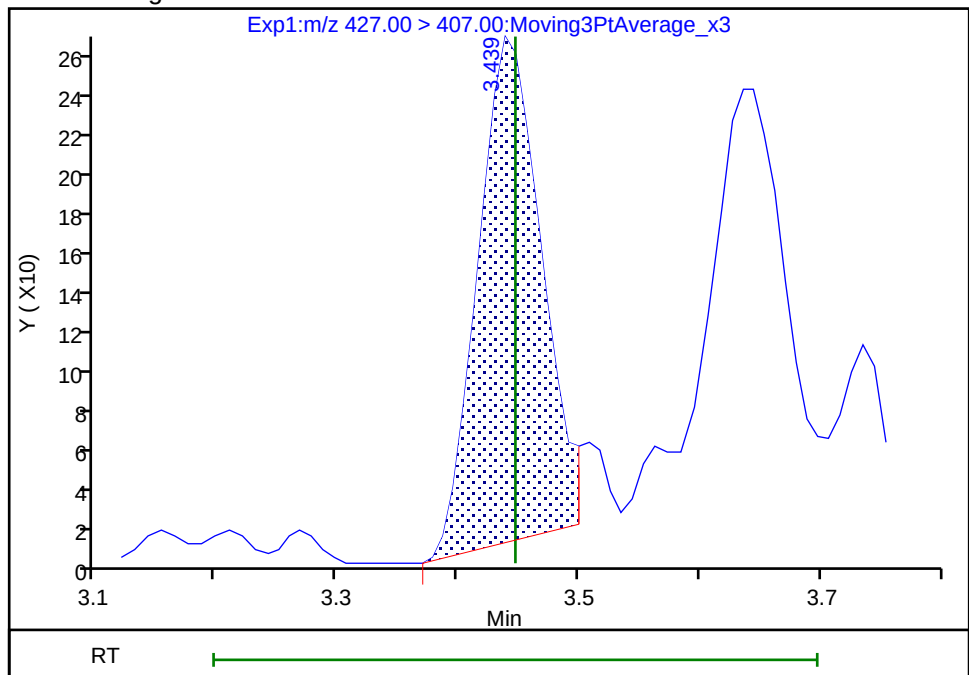
RT: 3.44
Area: 826
Amount: -0.014011
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 940
Amount: -0.013580
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 12-Aug-2022 08:52:23

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

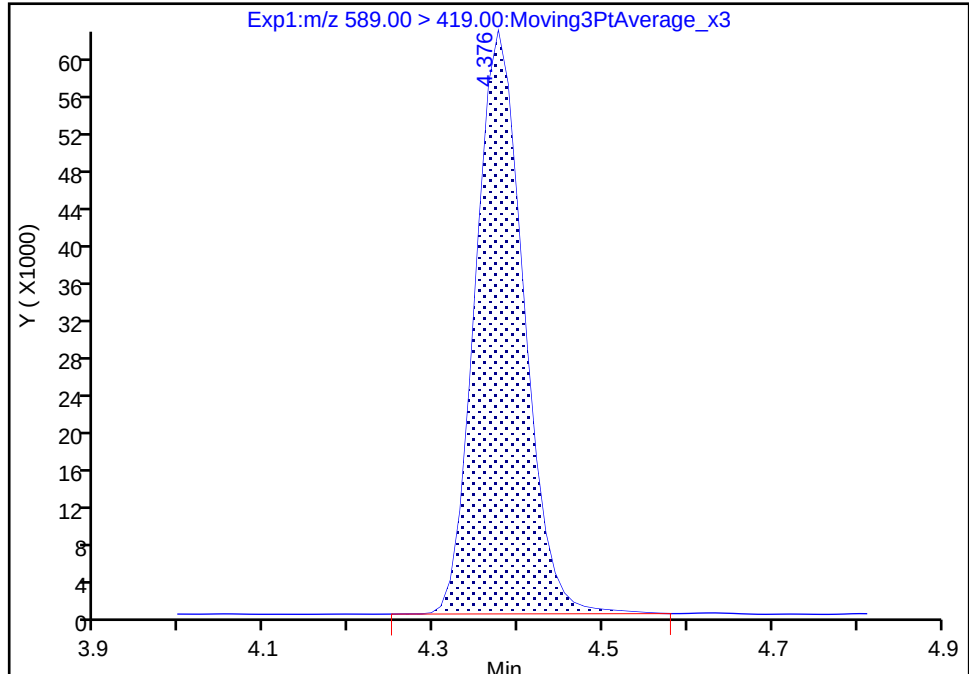
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A05.d
Injection Date: 11-Aug-2022 14:34:04 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 32 d5-NEtFOSAA, CAS: STL02117

Signal: 1

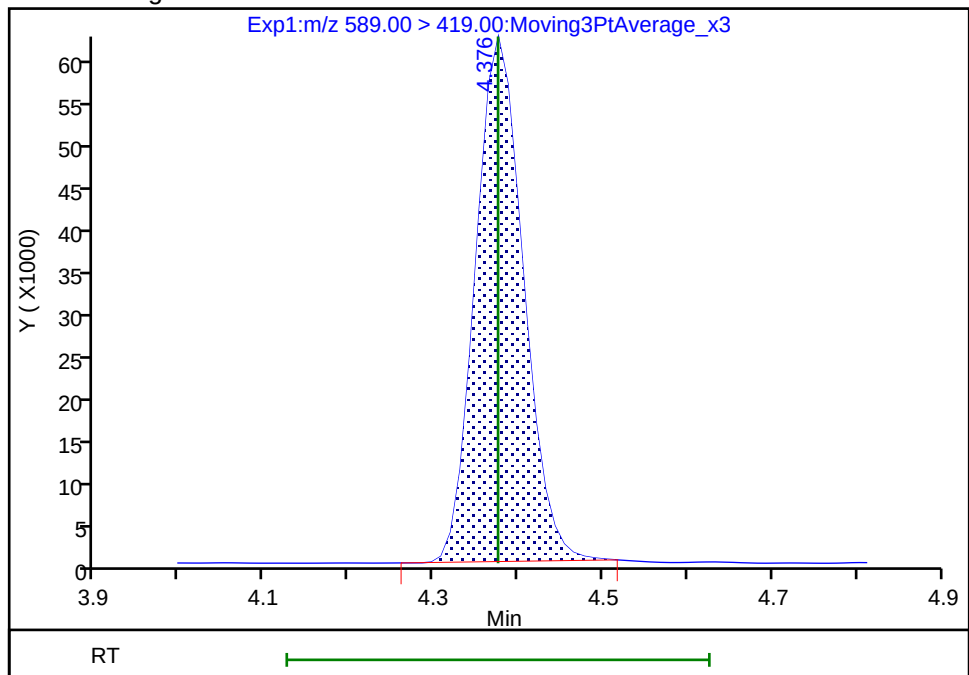
RT: 4.38
Area: 249678
Amount: 1.235601
Amount Units: ng/ml

Processing Integration Results



RT: 4.38
Area: 246553
Amount: 1.220136
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 07:51:41
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1347 of 1695

08/18/2022

Eurofins Burlington

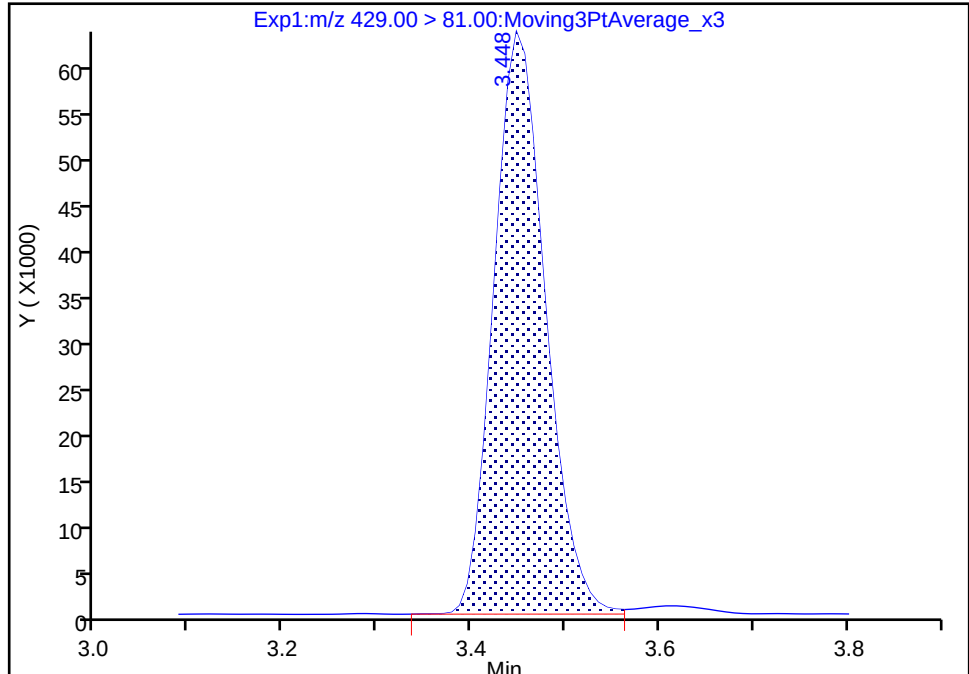
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A05.d
Injection Date: 11-Aug-2022 14:34:04 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 12 M2-6:2 FTS, CAS: STL02279

Signal: 1

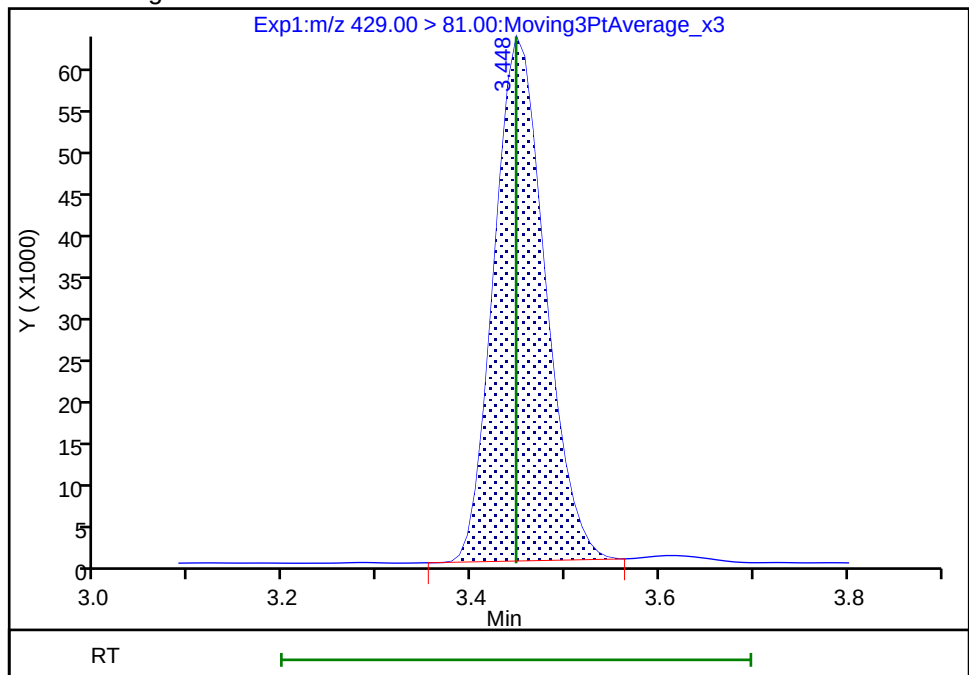
RT: 3.45
Area: 240603
Amount: 1.189060
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 237315
Amount: 1.172811
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 07:50:42
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1348 of 1695

08/18/2022

Eurofins Burlington

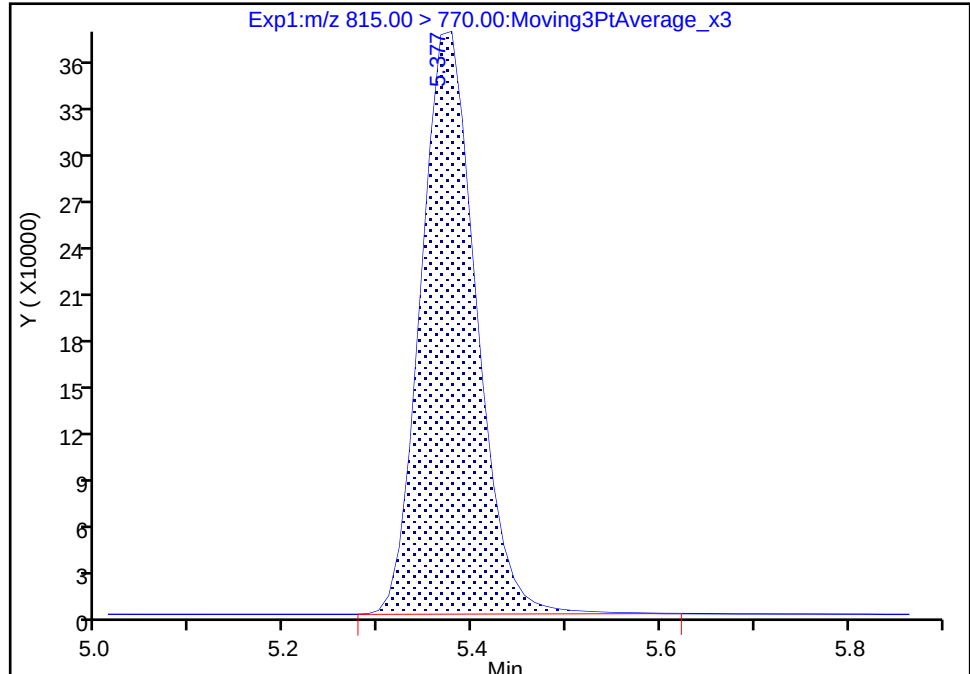
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52039.b\PA220811A05.d
Injection Date: 11-Aug-2022 14:34:04 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 44 13C2 PFHxDA, CAS: STL02115

Signal: 1

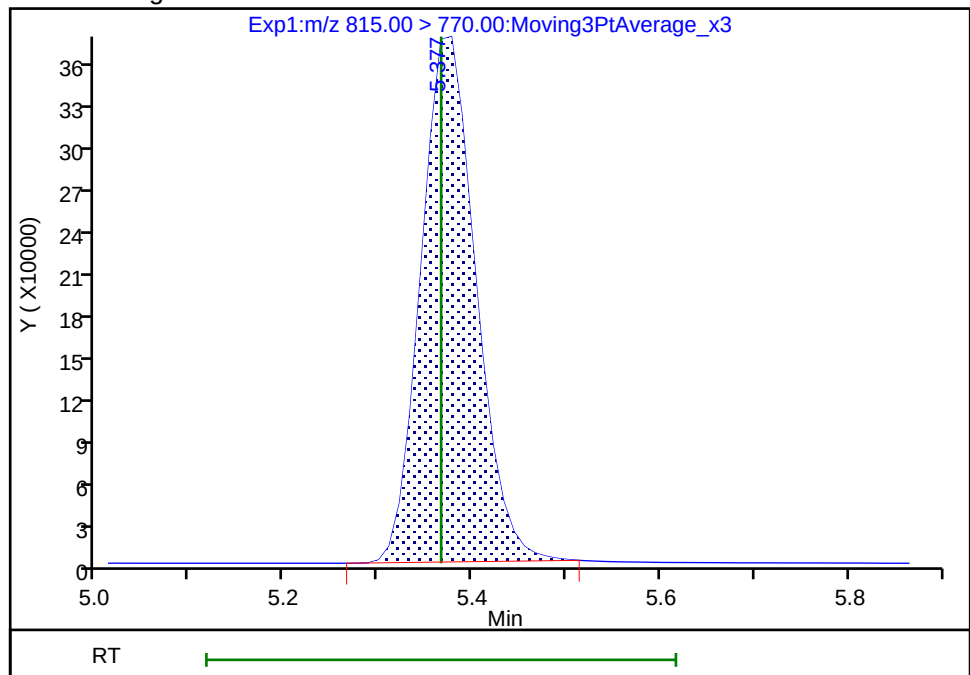
RT: 5.38
Area: 1549164
Amount: 1.330291
Amount Units: ng/ml

Processing Integration Results



RT: 5.38
Area: 1532447
Amount: 1.315936
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 07:51:59
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1349 of 1695

08/18/2022

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-263208-1
 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.: 460-263208-1
 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										
515.00 > 470.00	4.115	4.127	-0.012	1.182	1648156	1.23		98.5	1543	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.127	4.138	-0.011	1.185	248840	1.22		102	1063	
D 21 13C8 FOSA										
506.00 > 78.00	4.173	4.173	0.0	1.198	1474899	1.26		101	1473	M
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.173	4.173	0.0	1.000	21149	0.0176		47.9		M
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.273	4.273	0.0	1.003	4635	0.0298		16.2		M
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.261	4.273	-0.012	1.224	218608	1.22		97.5	1389	M
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.365	4.365	0.0	1.151	6455	0.0146	Target=2.80	58.1		
599.00 > 99.00	4.365	4.365	0.0	1.151	3067		2.10(1.40-4.20)	42.0		M
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.387	4.399	-0.012	1.000	19329	0.0176	Target=9.07	16.7		
563.00 > 169.00	4.387	4.399	-0.012	1.000	1970		9.81(4.54-13.61)	23.6		M
D 30 13C2 PFUnA										
565.00 > 520.00	4.387	4.399	-0.012	1.260	1296470	1.28		102	1304	M
33 N-ethylperfluorooctanesulfonamid										
584.00 > 419.00	4.410	4.410	0.0	1.003	4914	0.0337		35.7		M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.398	4.410	-0.012	1.263	200949	1.18		94.7	895	
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.491	4.491	0.0	1.184	27547	0.0158		176		
D 36 13C2 PFDaA										
615.00 > 570.00	4.633	4.633	0.0	1.330	1325182	1.26		101	1245	M
37 Perfluorododecanoic acid										
613.00 > 569.00	4.633	4.633	0.0	1.000	18488	0.0172	Target=6.97	3.3		
613.00 > 169.00	4.633	4.633	0.0	1.000	2997		6.17(3.48-10.45)	35.3		
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.663	4.654	0.009	1.130	1467	0.0156		35.2		M
75 Perfluorododecanesulfonic acid (										
699.00 > 80.00	4.813	4.813	0.0	1.269	3055	0.0156	Target=0.52	47.6		
699.00 > 99.00	4.813	4.813	0.0	1.269	4706		0.65(0.26-0.79)	112		
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.848	4.859	-0.011	1.046	15748	0.0169	Target=4.56	2.9		
663.00 > 169.00	4.859	4.859	0.0	1.049	3187		4.94(2.28-6.84)	19.5		
D 43 13C2 PFTeDA										
715.00 > 670.00	5.052	5.052	0.0	1.451	1093349	1.27		102	1776	M
42 Perfluorotetradecanoic acid										
713.00 > 169.00	5.052	5.052	0.0	1.000	2190	0.0156	Target=0.94	34.4		
713.00 > 219.00	5.052	5.052	0.0	1.000	2548		0.86(0.47-1.41)	27.0		

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 44 13C2 PFHxDA										M
815.00 > 770.00	5.422	5.422	0.0	1.557	1220279	1.25		99.7	1821	M
45 Perfluorohexadecanoic acid										
813.00 > 769.00	5.422	5.422	0.0	1.000	24760	0.007597	Target=4.38		5.7	
813.00 > 169.00	5.422	5.422	0.0	1.000	5063		4.89(2.19-6.57)		47.7	
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.777	5.786	-0.009	1.065	12414	0.0191	Target=4.31		3.7	
913.00 > 169.00	5.777	5.786	-0.009	1.065	2904		4.27(2.16-6.47)		25.0	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PFAS32NCBLK20_00021

Amount Added: 100.00

Units: uL

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d

Injection Date: 03-Aug-2022 13:49:21

Instrument ID: LC812

Lims ID: ICB

Client ID:

Operator ID: lc812tech

ALS Bottle#: 8

Worklist Smp#: 11

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

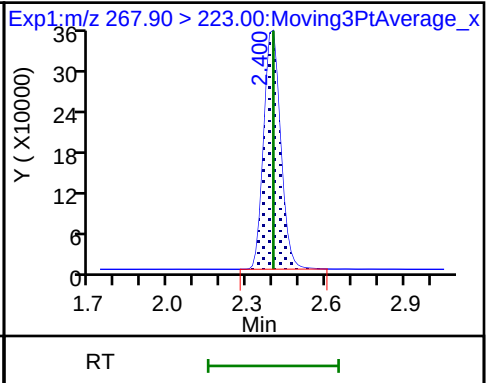
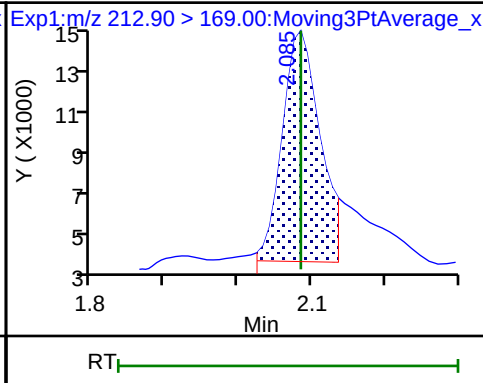
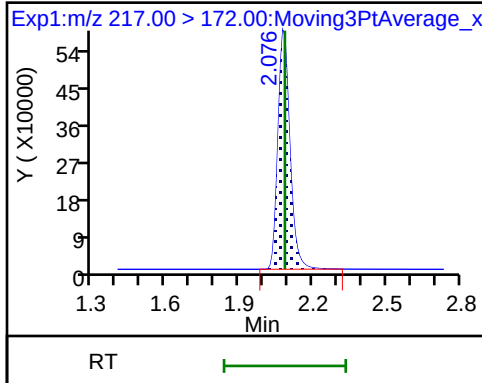
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA (M)

2 Perfluorobutanoic acid (M)

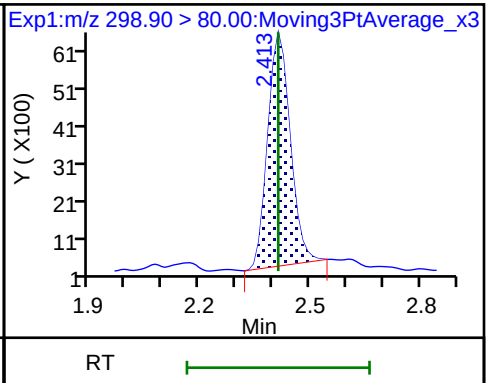
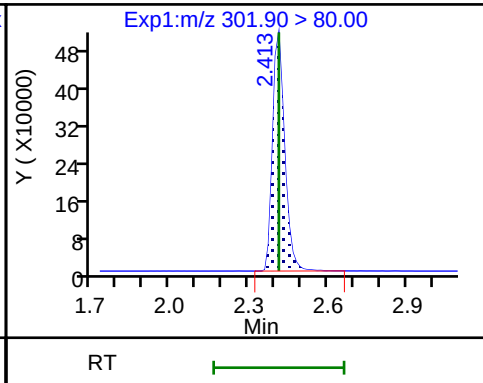
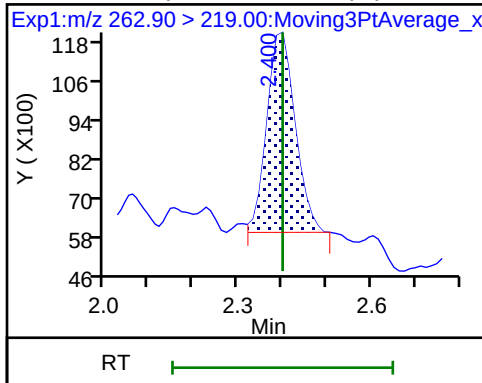
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

D 47 13C3 PFBS

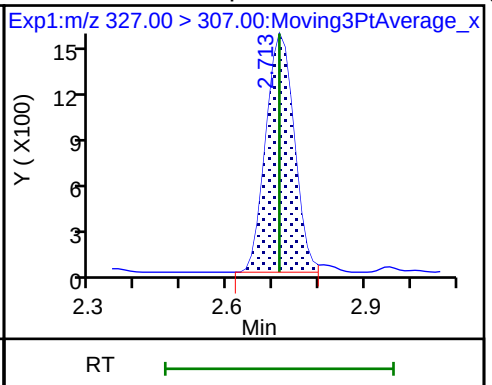
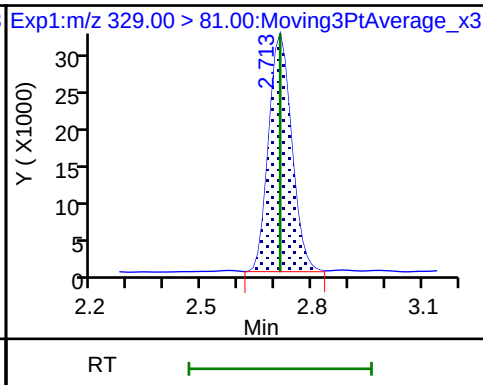
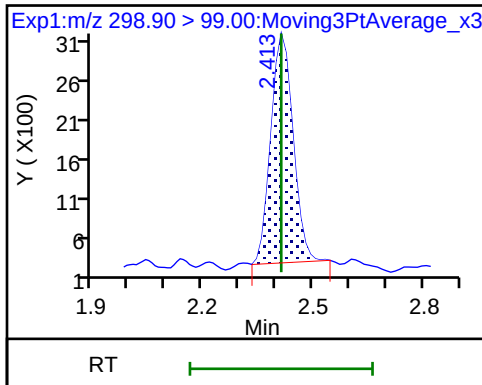
5 Perfluorobutanesulfonic acid



5 Perfluorobutanesulfonic acid

D 60 M2-4:2 FTS

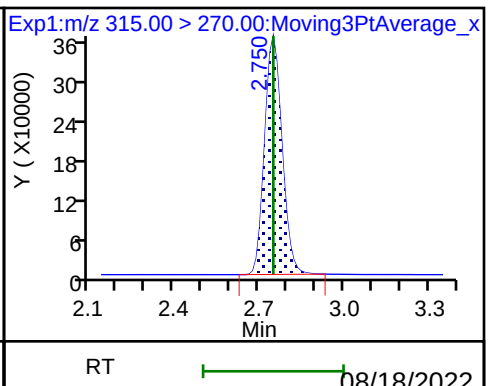
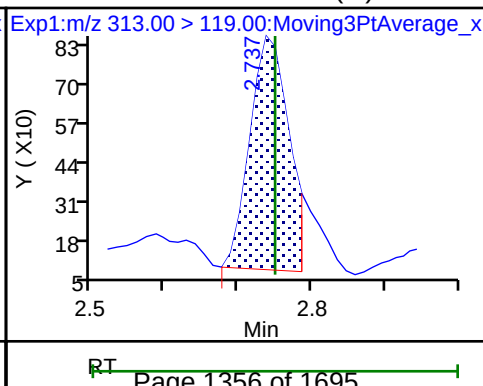
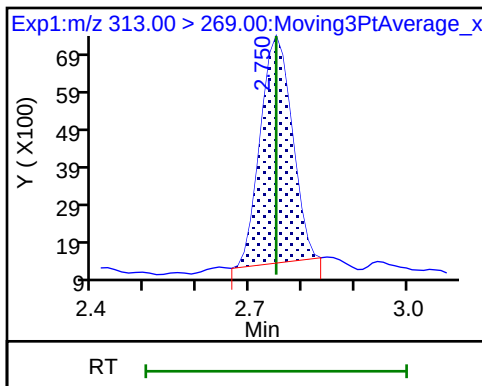
61 1H,1H,2H,2H-perfluorohexanesulfo (M)

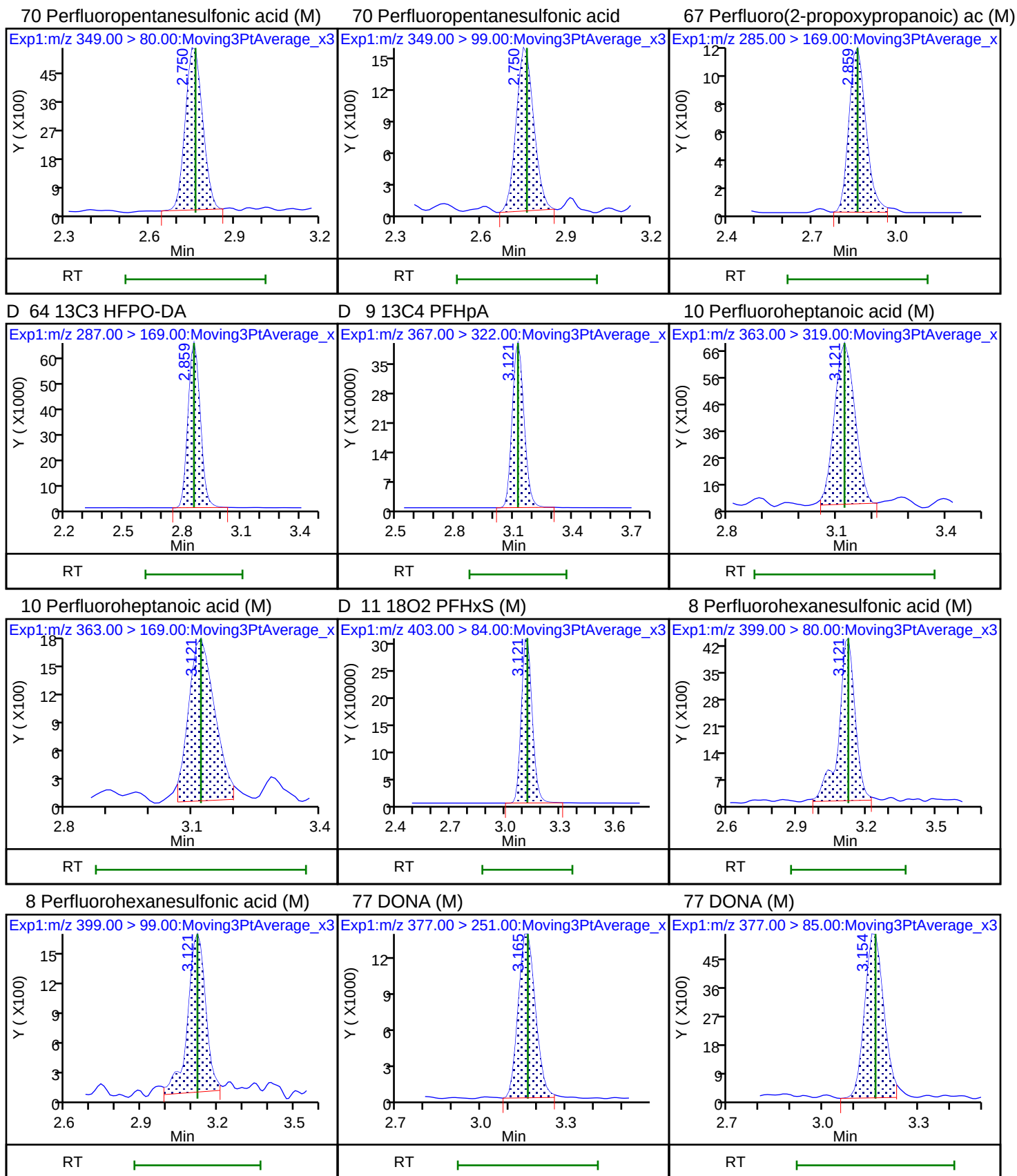


6 Perfluorohexanoic acid

6 Perfluorohexanoic acid (M)

D 7 13C2 PFHxA





D 12 M2-6:2 FTS (M)

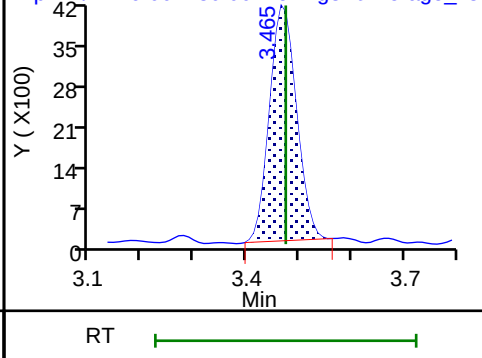
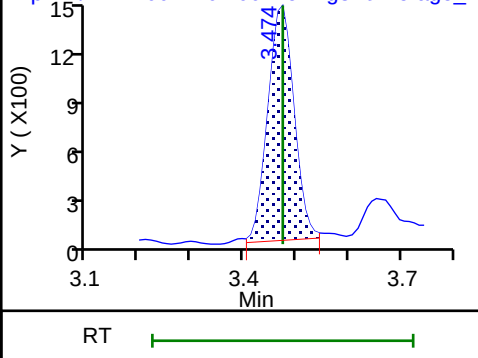
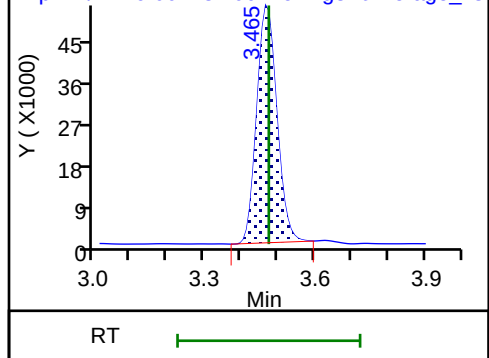
13 1H,1H,2H,2H-perfluorooctanesulfo (M)

16 Perfluoroheptanesulfonic acid (M)

Exp1:m/z 429.00 > 81.00:Moving3PtAverage_x3

Exp1:m/z 427.00 > 407.00:Moving3PtAverage_x3

Exp1:m/z 449.00 > 80.00:Moving3PtAverage_x3



16 Perfluoroheptanesulfonic acid (M)

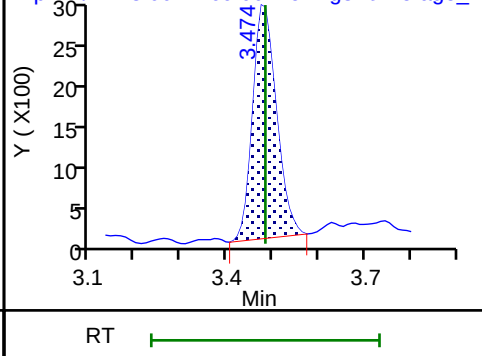
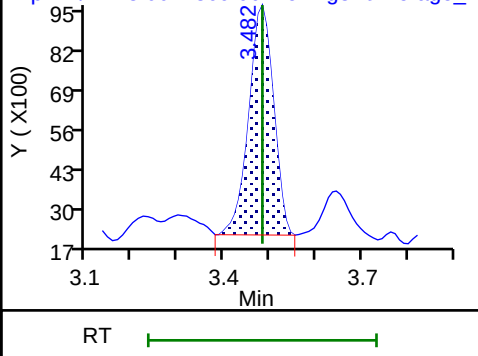
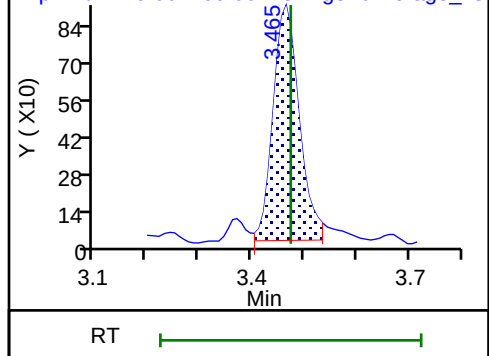
15 Perfluorooctanoic acid (M)

15 Perfluorooctanoic acid (M)

Exp1:m/z 449.00 > 99.00:Moving3PtAverage_x3

Exp1:m/z 413.00 > 369.00:Moving3PtAverage_x3

Exp1:m/z 413.00 > 169.00:Moving3PtAverage_x3



D 14 13C4 PFOA (M)

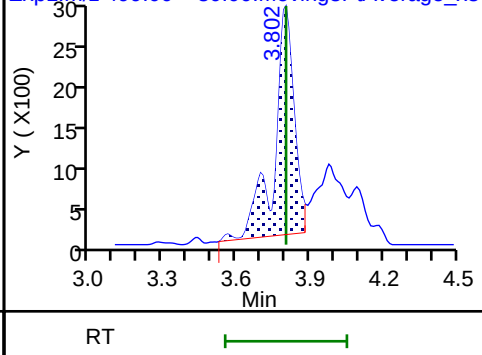
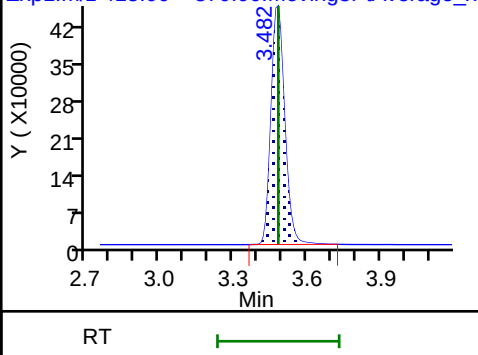
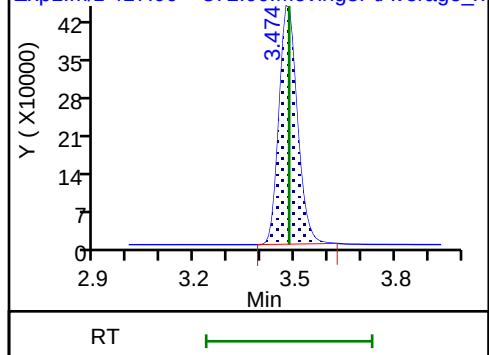
* 62 13C2 PFOA

17 Perfluorooctanesulfonic acid (M)

Exp1:m/z 417.00 > 372.00:Moving3PtAverage_x3

Exp1:m/z 415.00 > 370.00:Moving3PtAverage_x3

Exp1:m/z 499.00 > 80.00:Moving3PtAverage_x3



17 Perfluorooctanesulfonic acid (M)

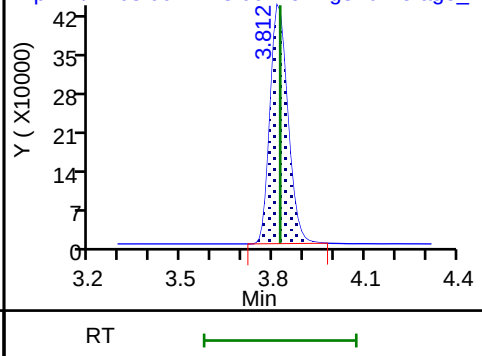
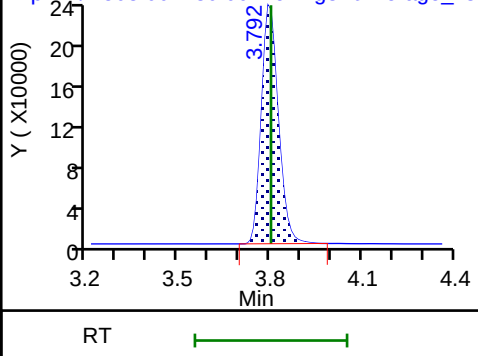
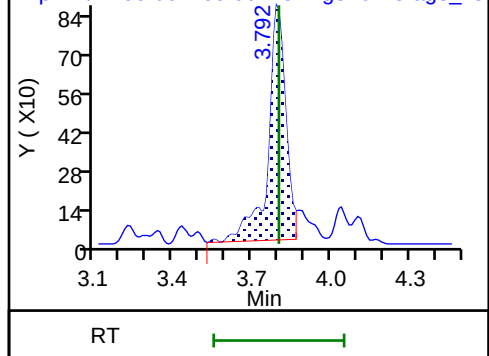
D 18 13C4 PFOS

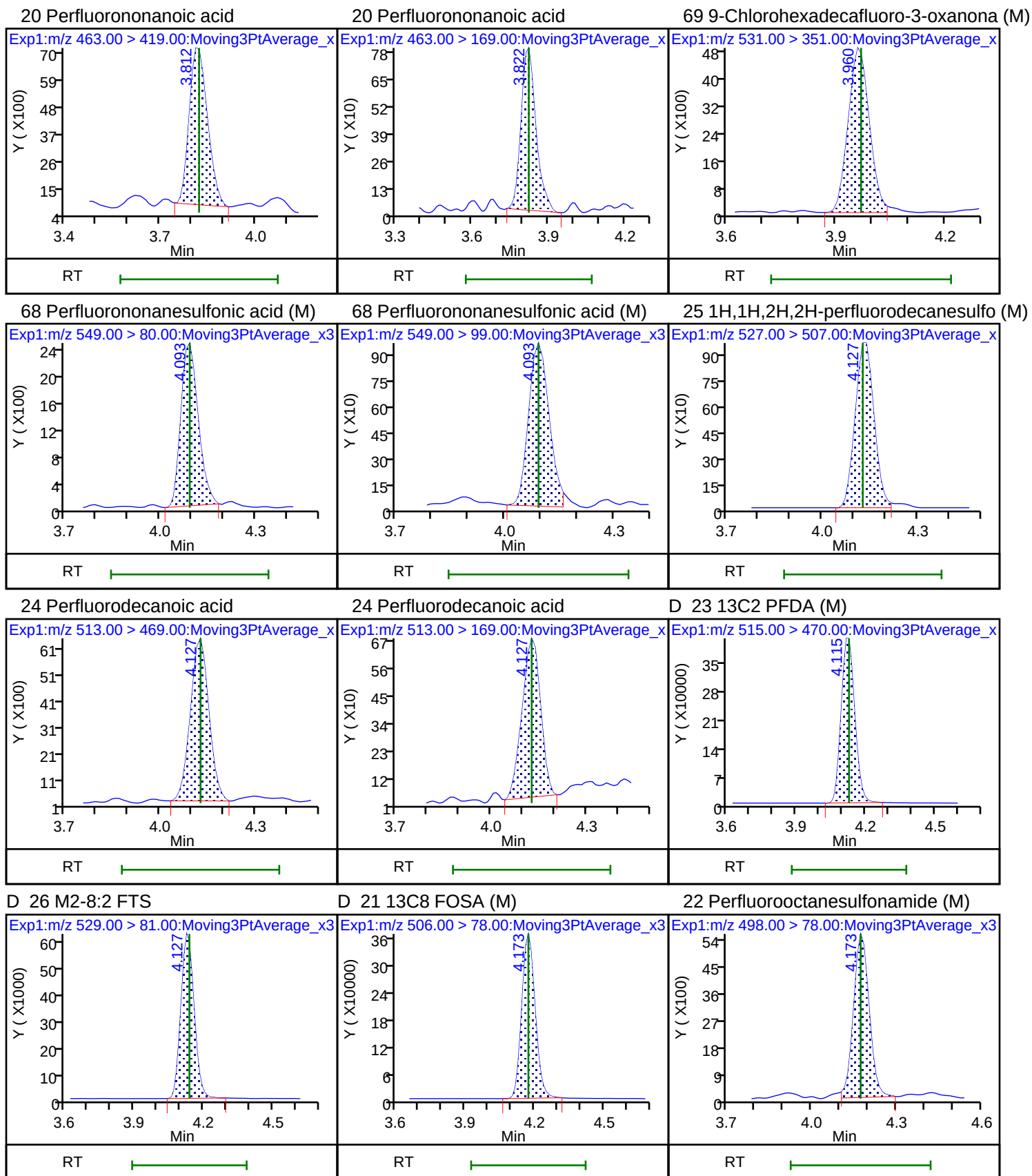
D 19 13C5 PFNA (M)

Exp1:m/z 499.00 > 99.00:Moving3PtAverage_x3

Exp1:m/z 503.00 > 80.00:Moving3PtAverage_x3

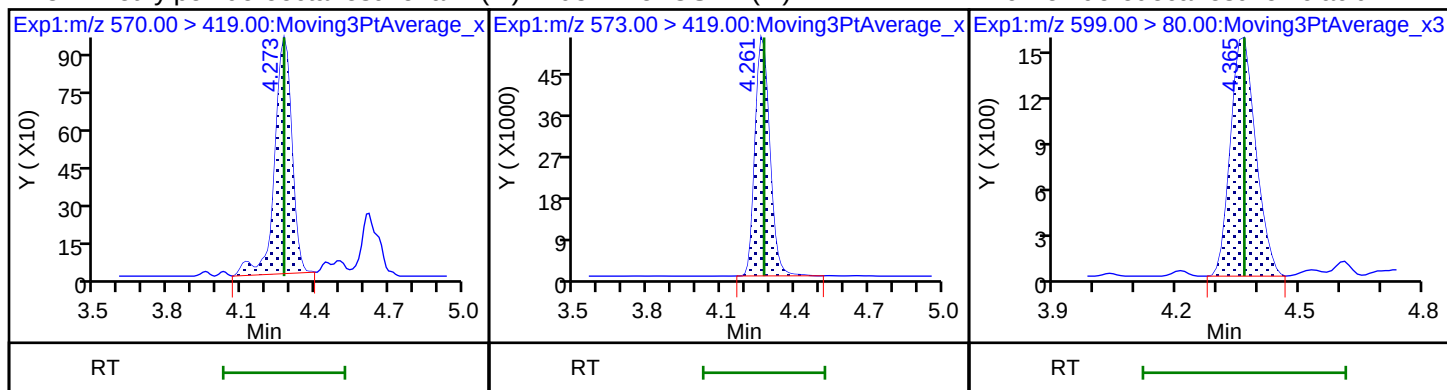
Exp1:m/z 468.00 > 423.00:Moving3PtAverage_x3





28 N-methylperfluorooctanesulfonami (M) 27 d3-NMeFOSAA (M)

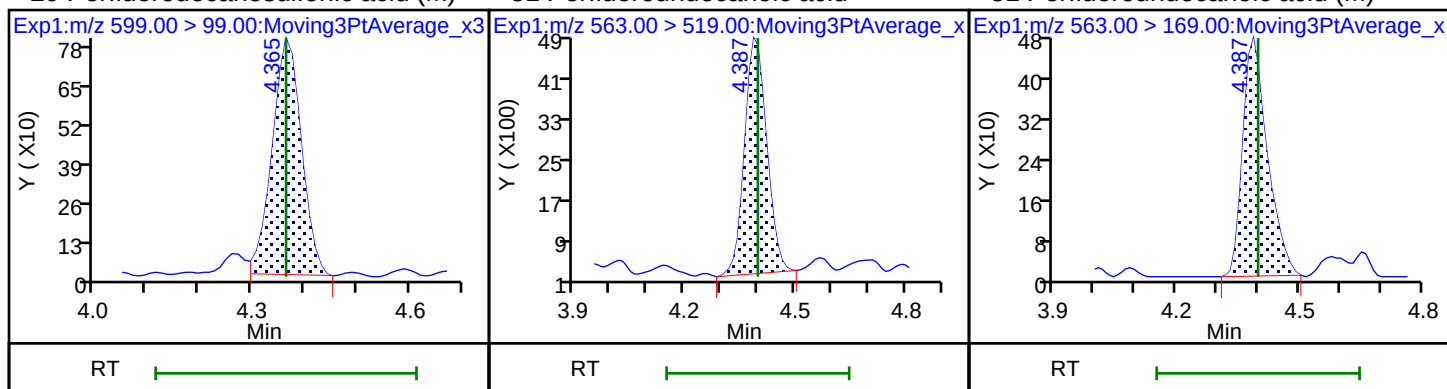
29 Perfluorodecanesulfonic acid



29 Perfluorodecanesulfonic acid (M)

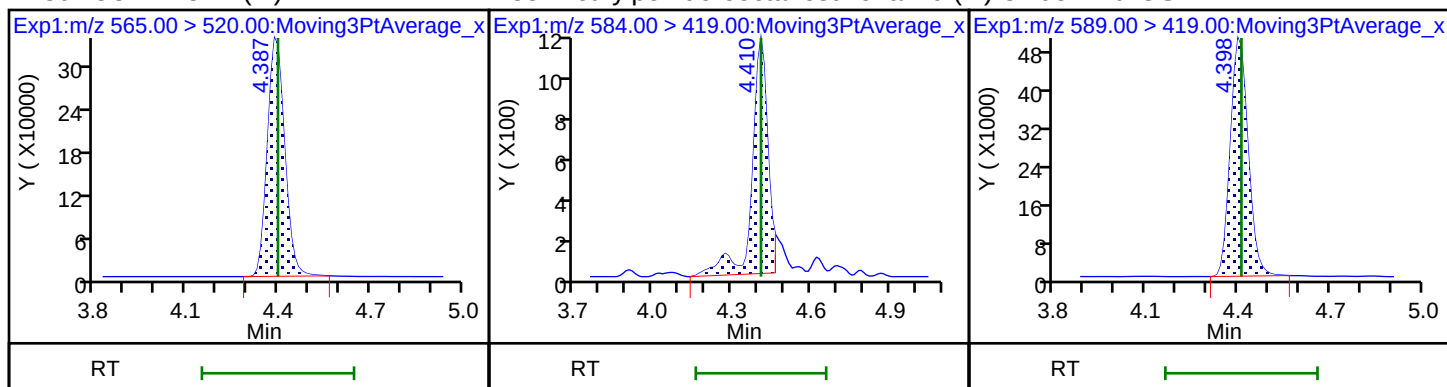
31 Perfluoroundecanoic acid

31 Perfluoroundecanoic acid (M)



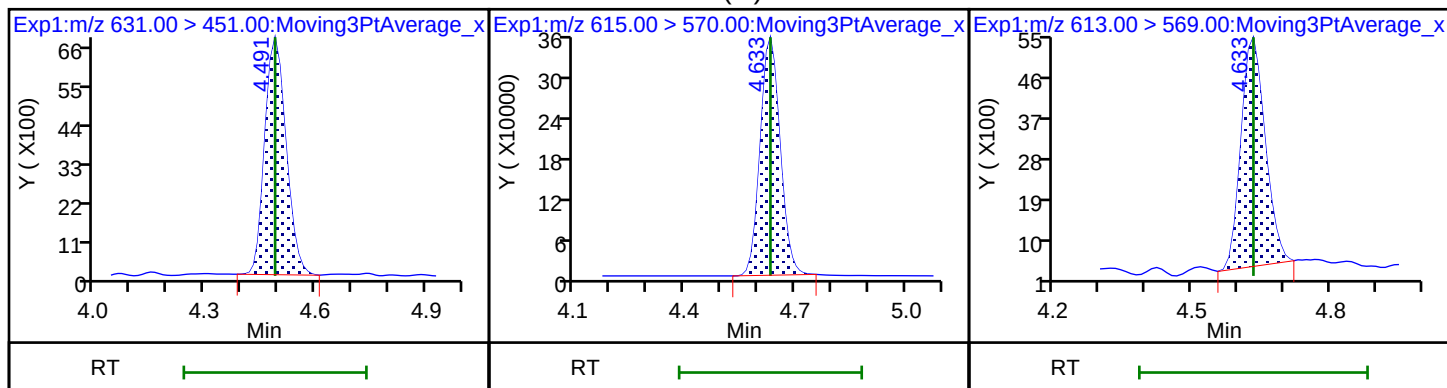
D 30 13C2 PFUnA (M)

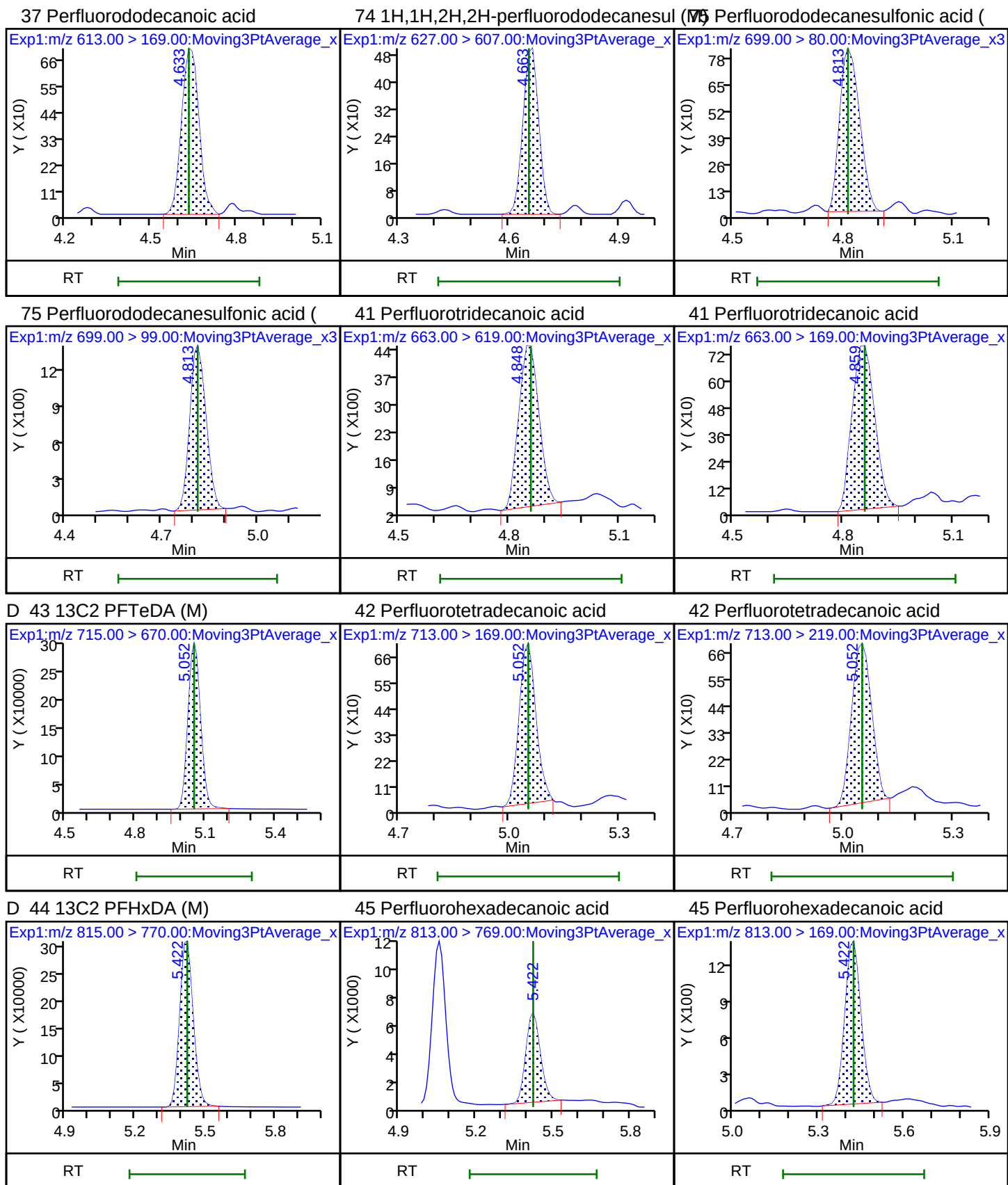
33 N-ethylperfluorooctanesulfonamid (M) 32 d5-NEtFOSAA



66 11-Chloroeicosafluoro-3-oxaundec D 36 13C2 PFDaA (M)

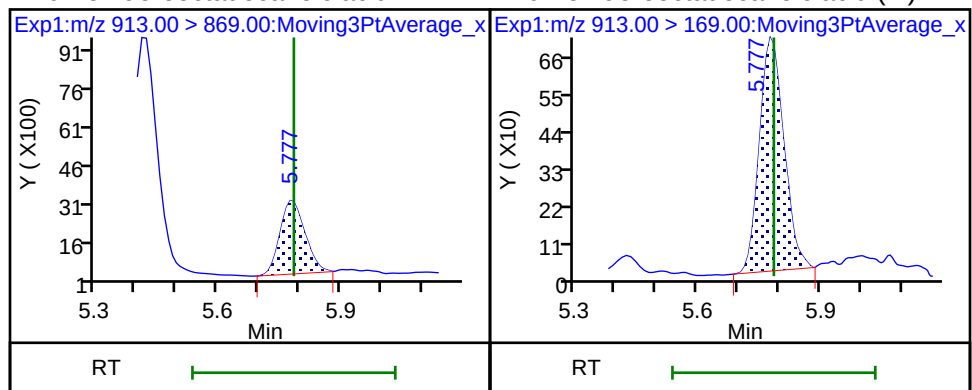
37 Perfluorododecanoic acid





46 Perfluorooctadecanoic acid

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

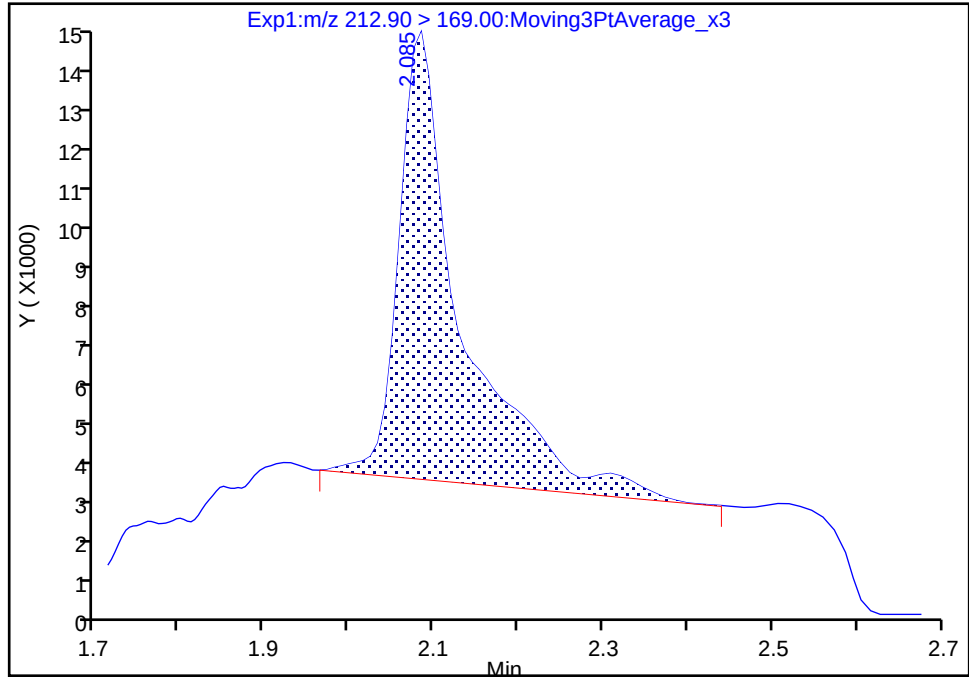
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

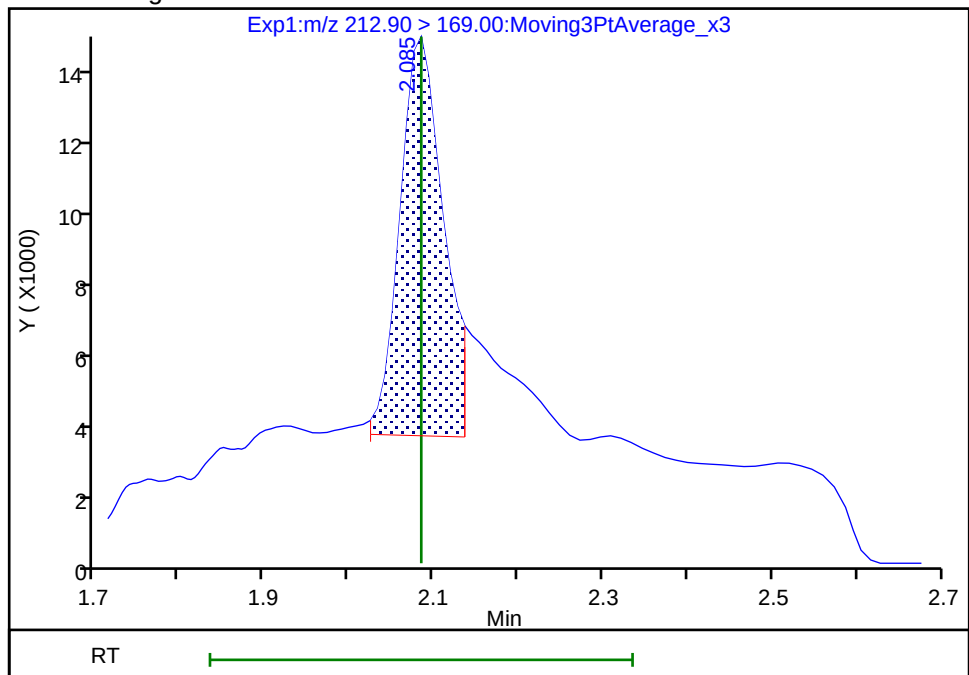
RT: 2.08
Area: 55834
Amount: 0.036705
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 37837
Amount: 0.024874
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:09:37
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

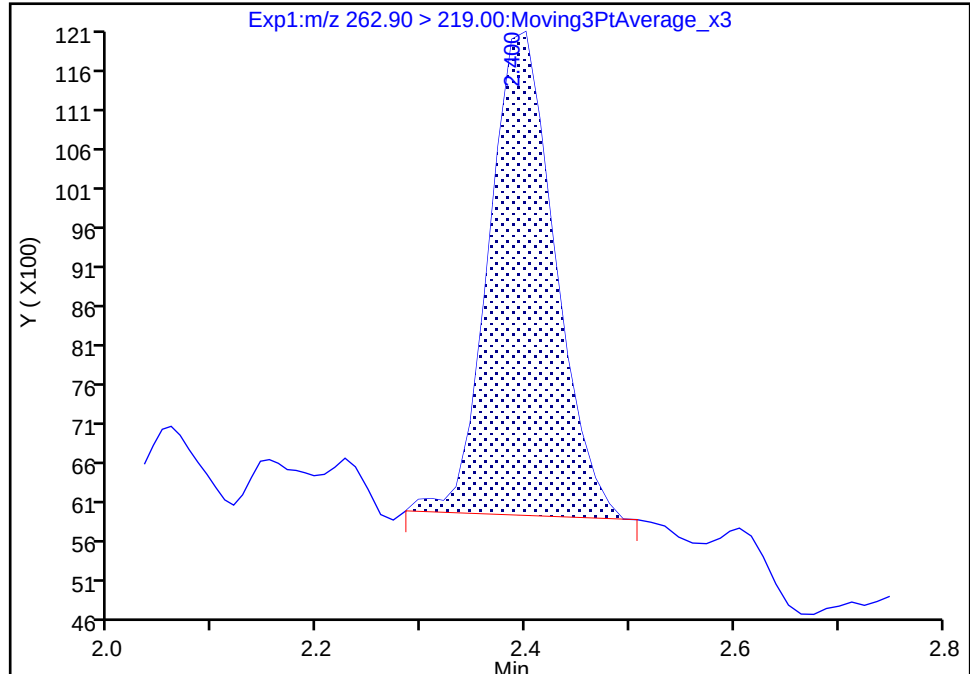
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

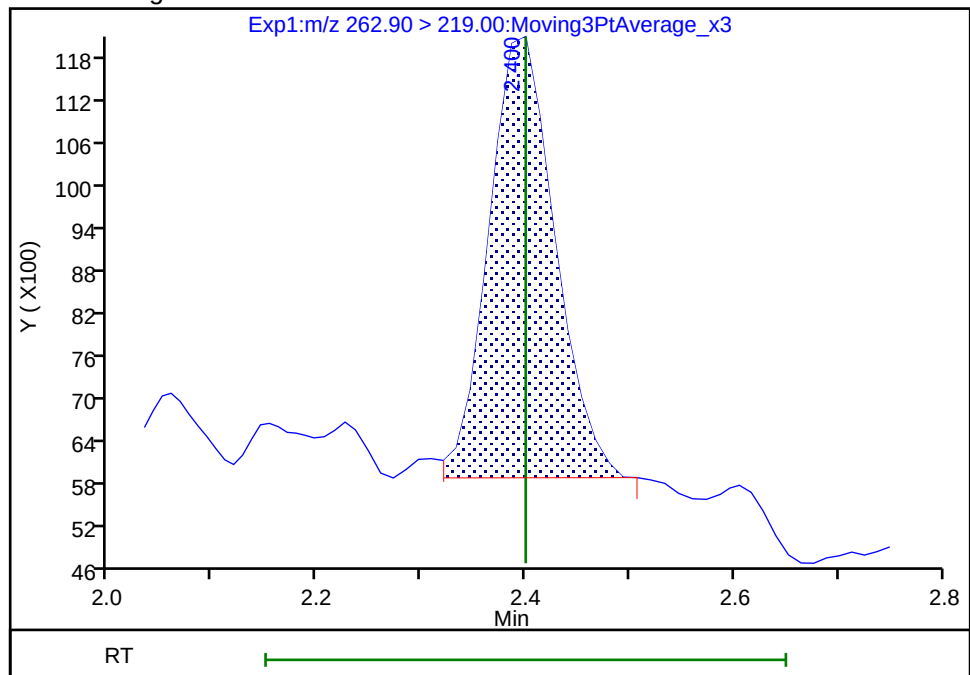
RT: 2.40
Area: 27186
Amount: 0.021078
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 27445
Amount: 0.021279
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:15:18
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

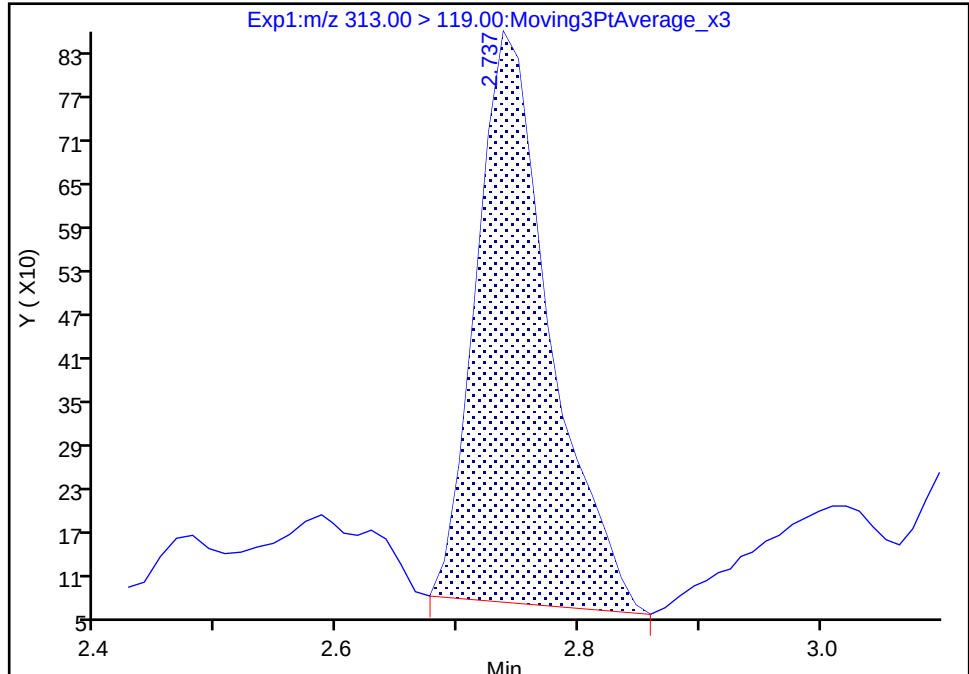
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

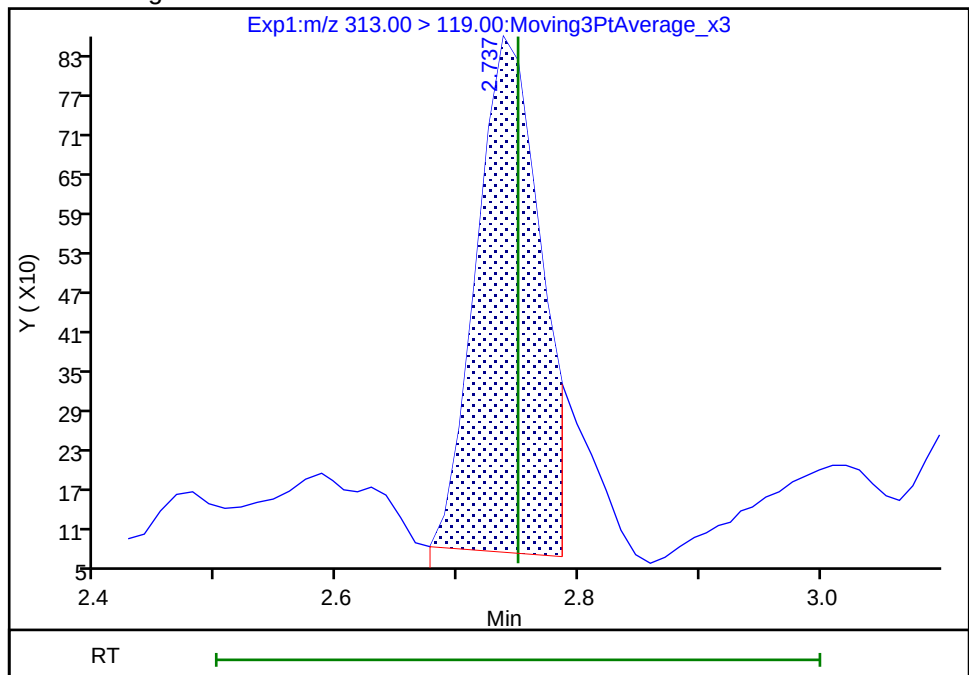
RT: 2.74
Area: 3308
Amount: 0.019529
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 2831
Amount: 0.019529
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:16:22
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1365 of 1695

08/18/2022

Eurofins Burlington

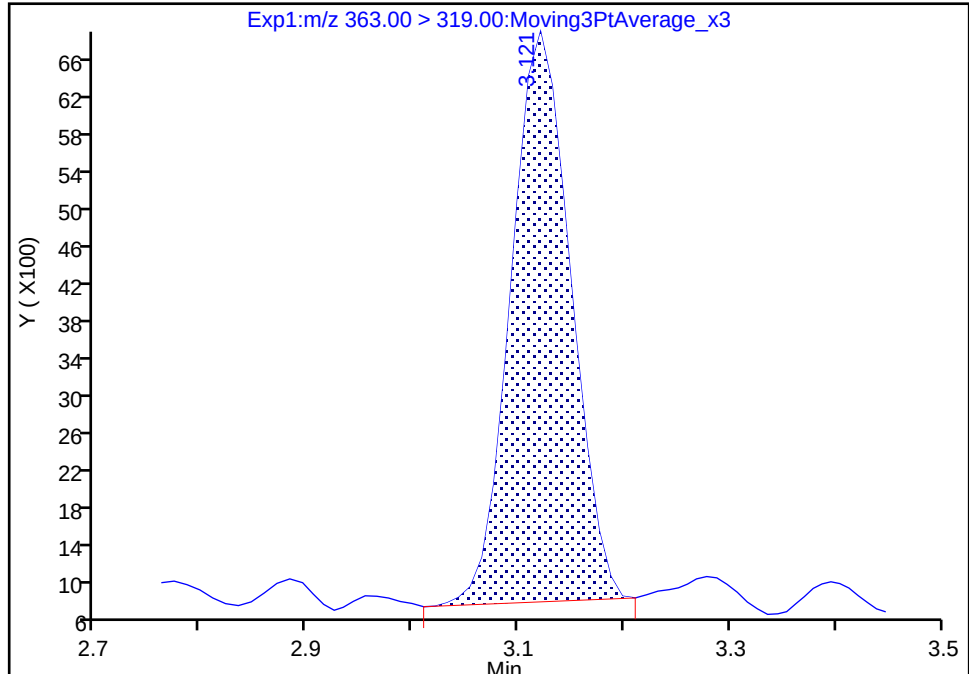
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

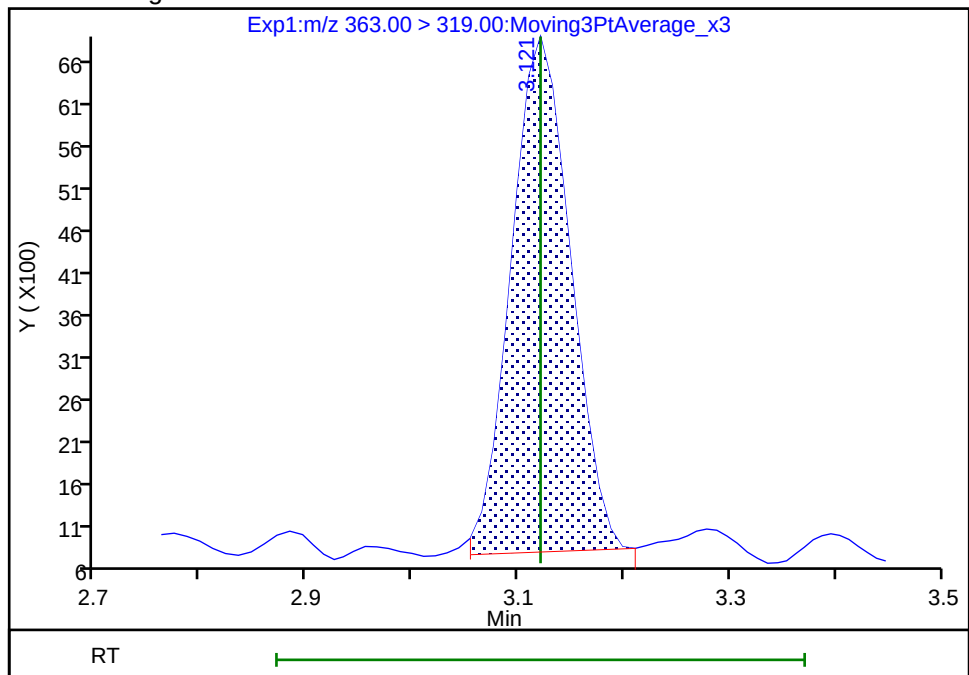
RT: 3.12
Area: 23967
Amount: 0.017920
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 23834
Amount: 0.017820
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:16:55
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

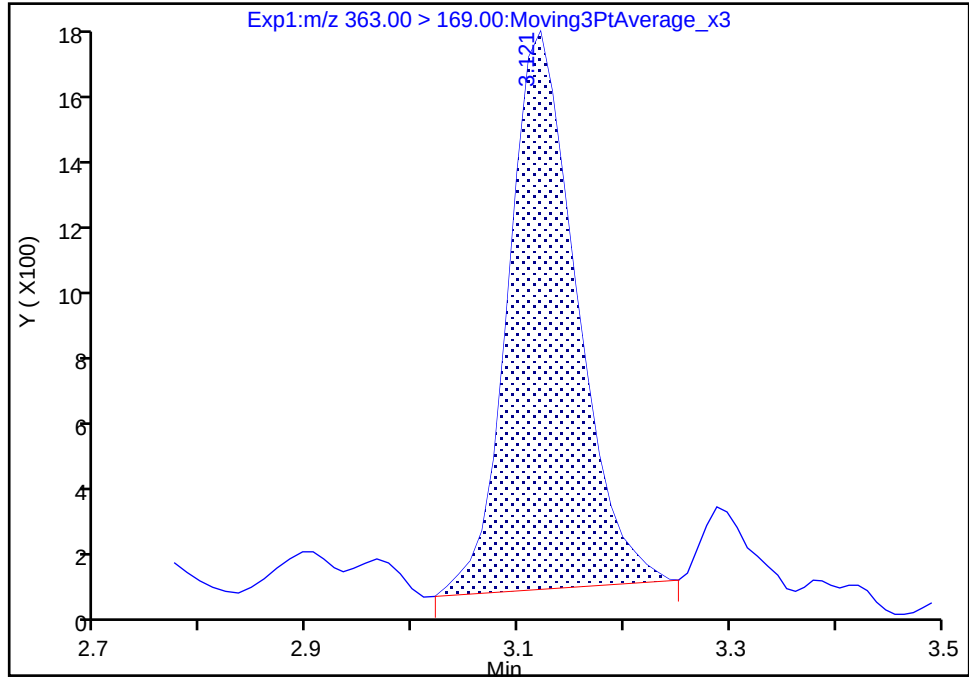
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

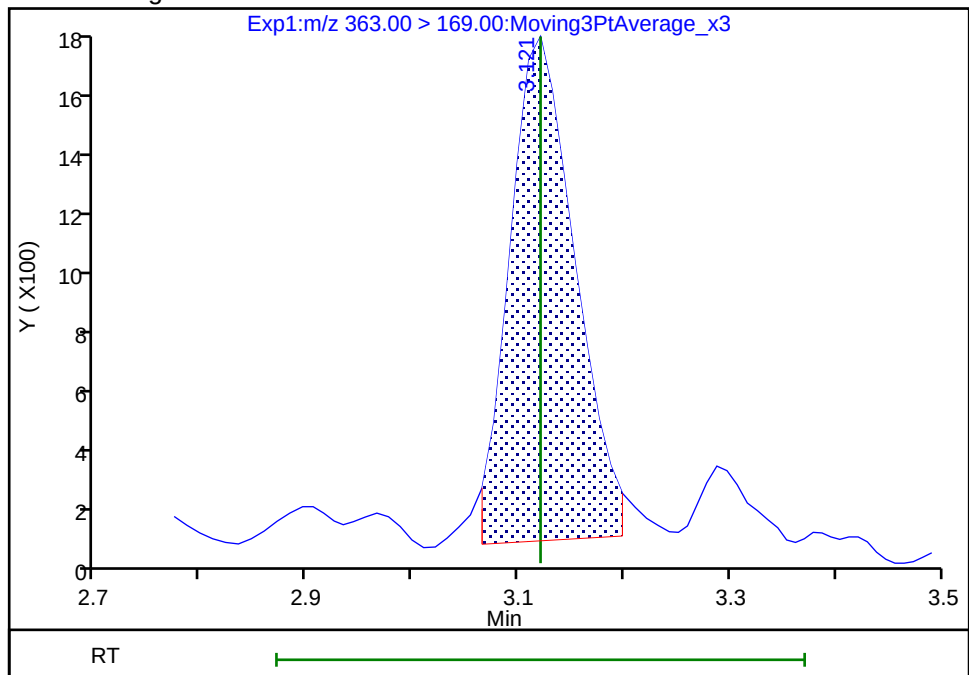
RT: 3.12
Area: 7400
Amount: 0.017920
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 7057
Amount: 0.017820
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:17:02

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

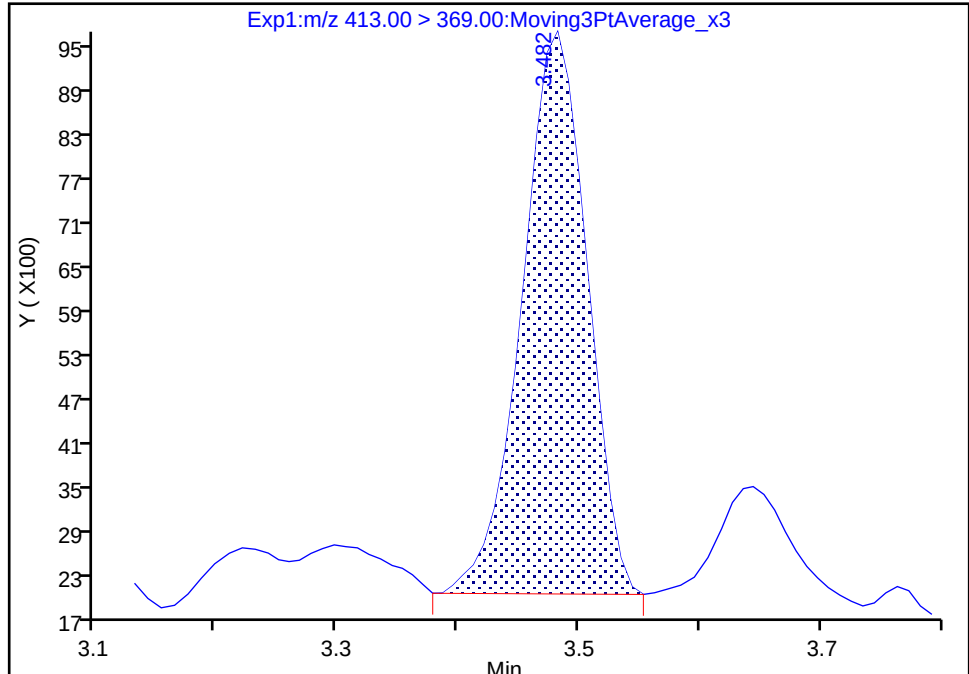
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

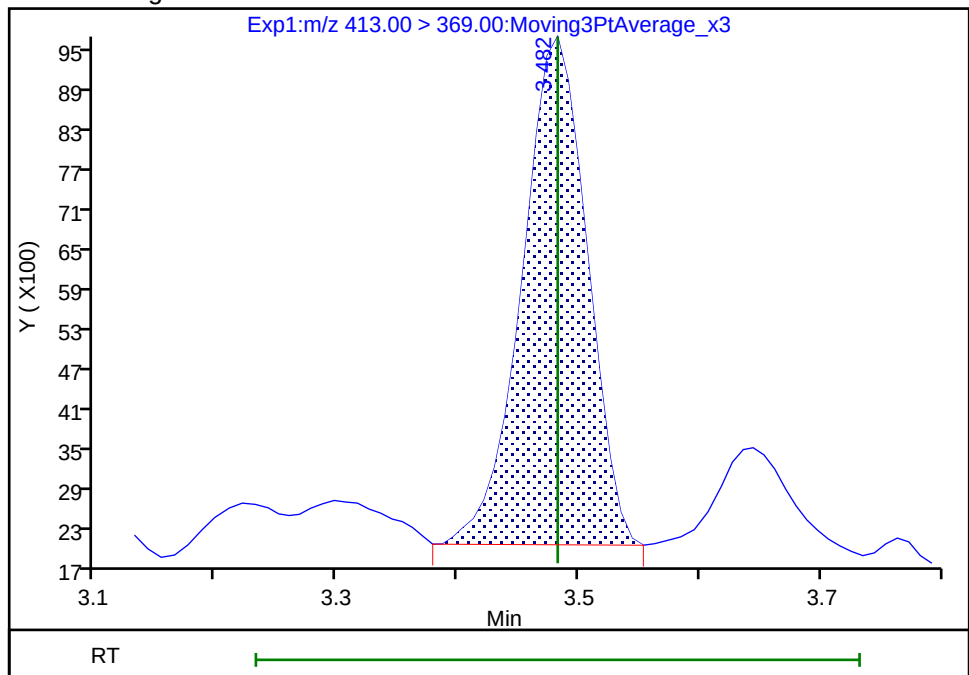
RT: 3.48
Area: 28487
Amount: 0.018863
Amount Units: ng/ml

Processing Integration Results



RT: 3.48
Area: 28487
Amount: 0.019013
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:18:37

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

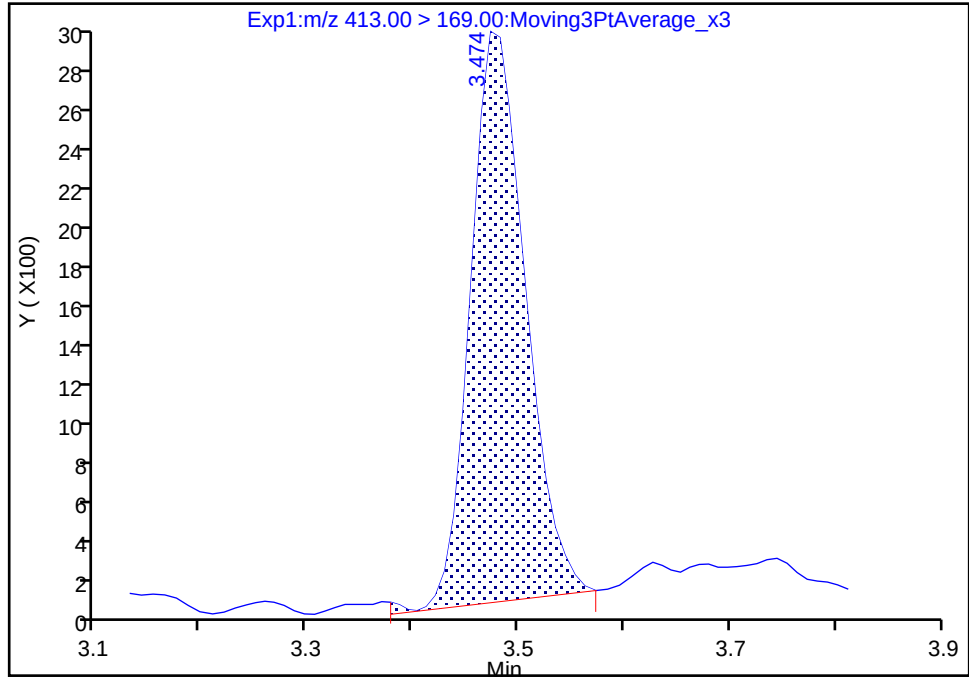
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

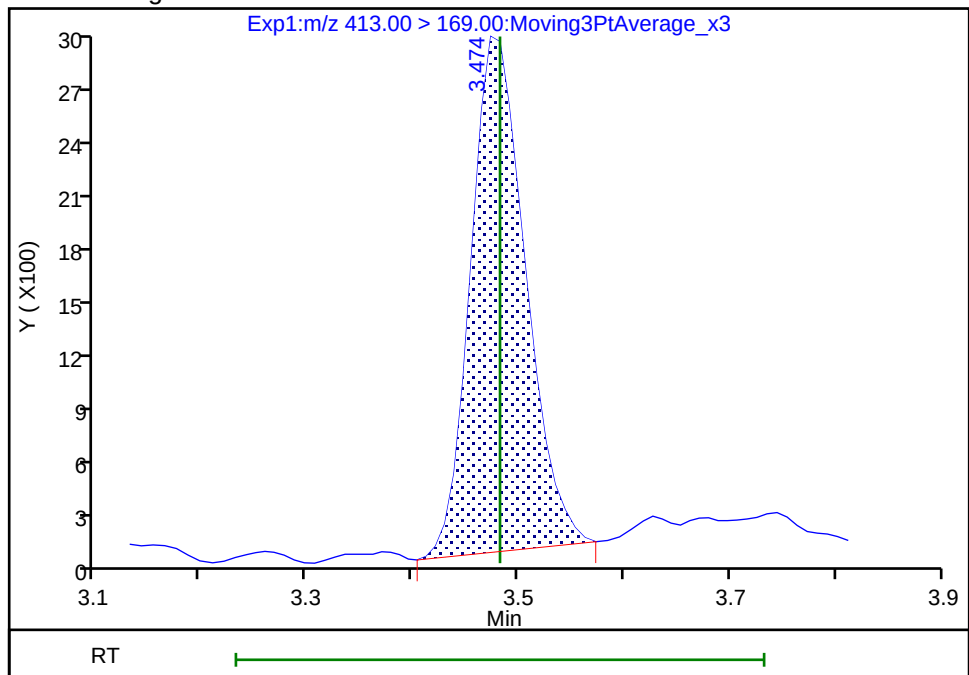
RT: 3.47
Area: 10416
Amount: 0.018863
Amount Units: ng/ml

Processing Integration Results



RT: 3.47
Area: 10359
Amount: 0.019013
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:18:41

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

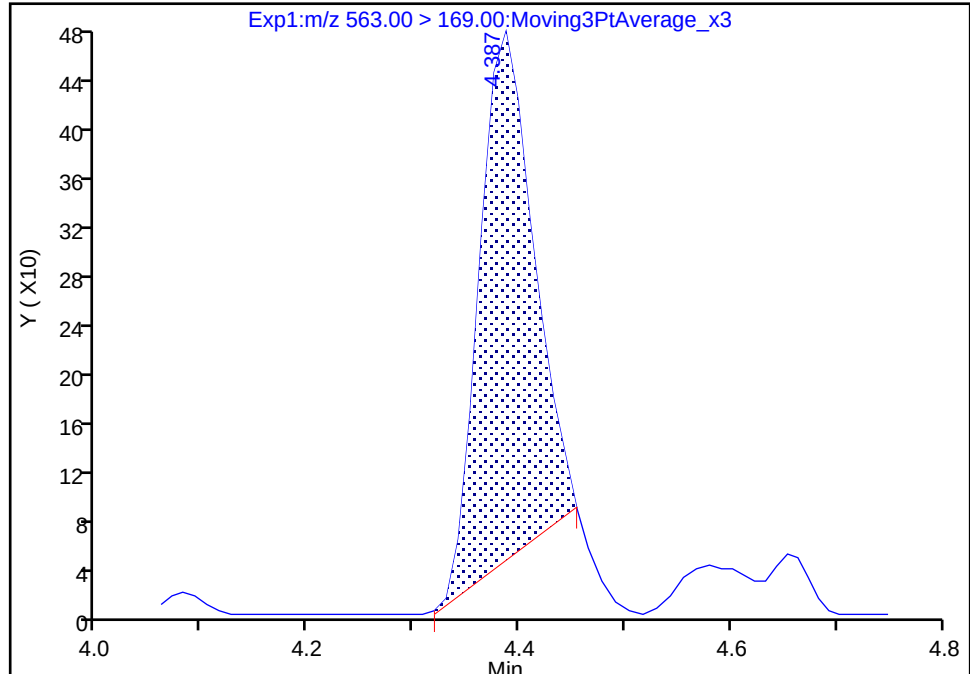
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

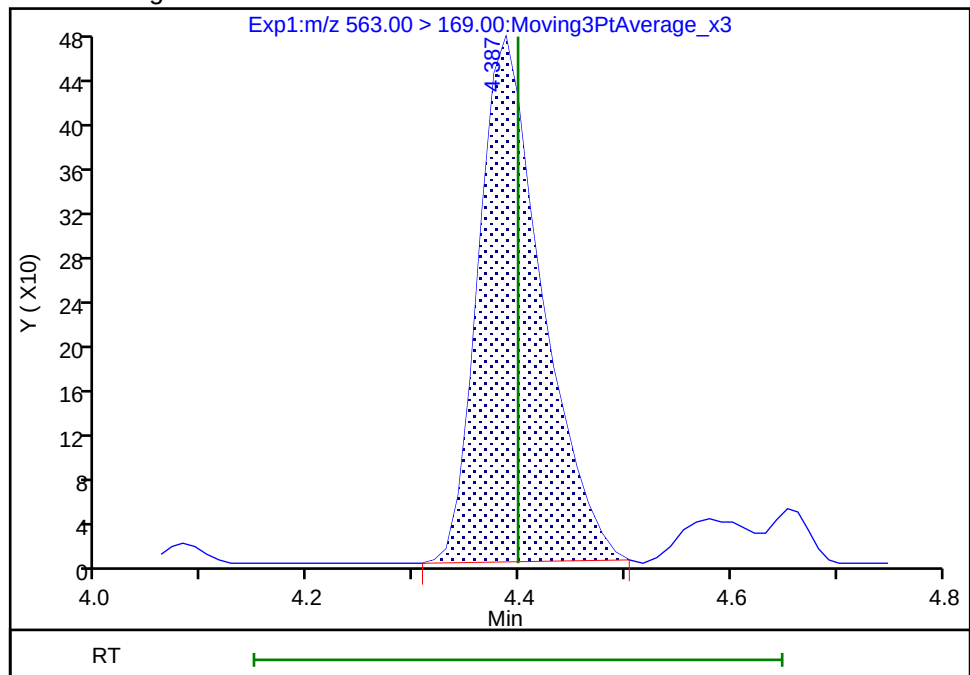
RT: 4.39
Area: 1538
Amount: 0.017440
Amount Units: ng/ml

Processing Integration Results



RT: 4.39
Area: 1970
Amount: 0.017591
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:21:32

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

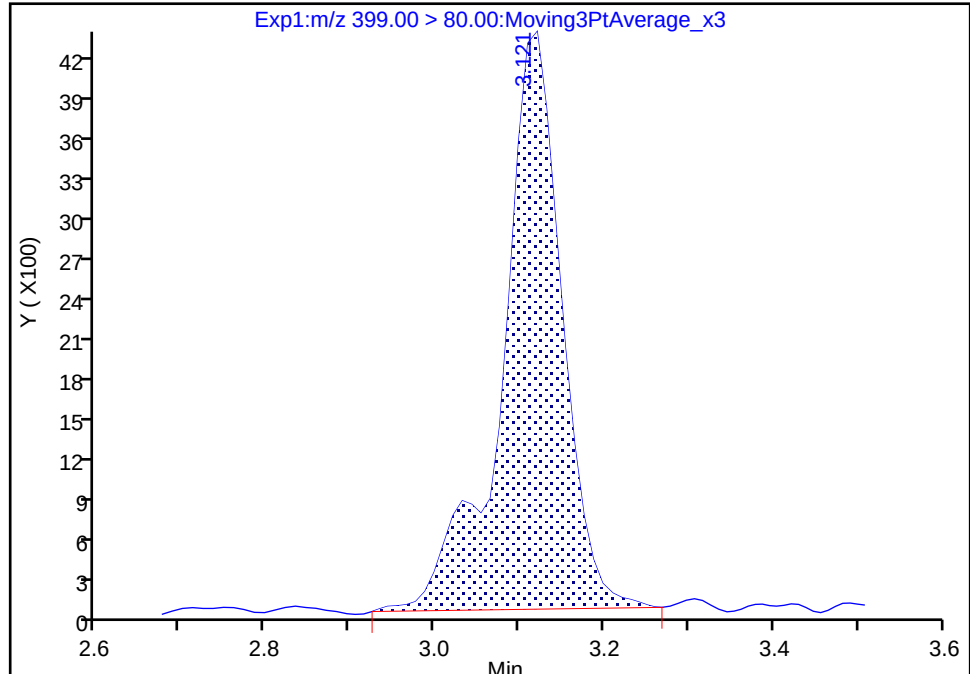
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

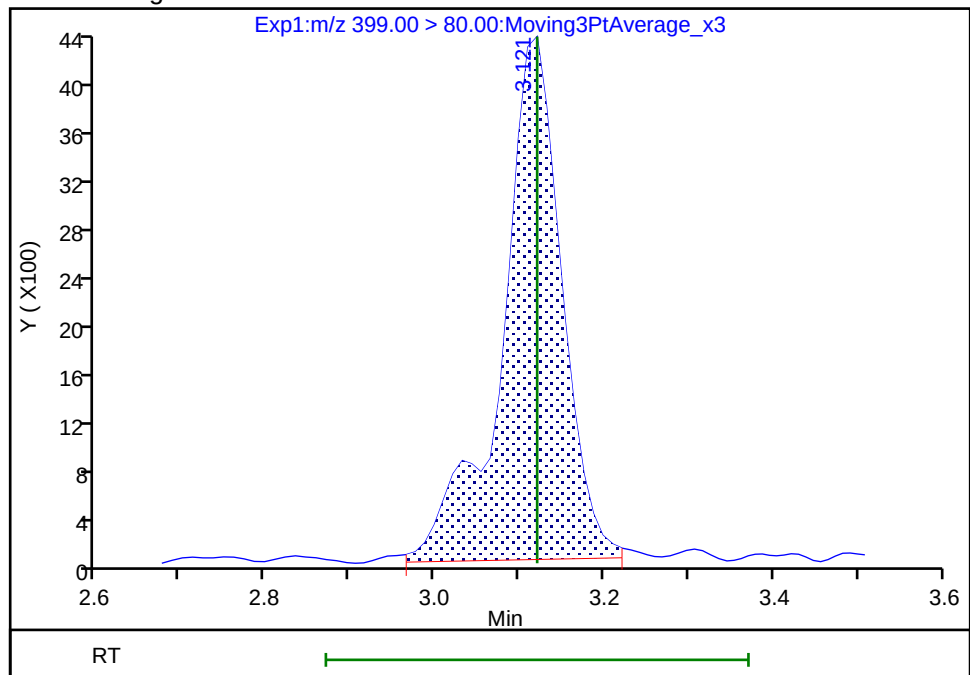
RT: 3.12
Area: 21153
Amount: 0.018240
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 21122
Amount: 0.018214
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:17:30
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1371 of 1695

08/18/2022

Eurofins Burlington

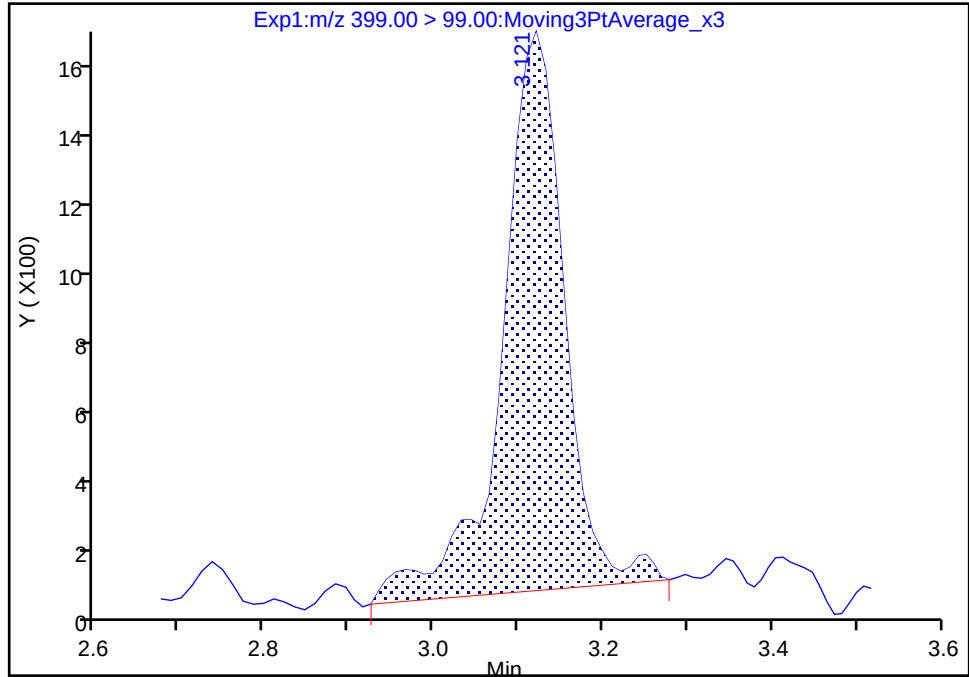
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

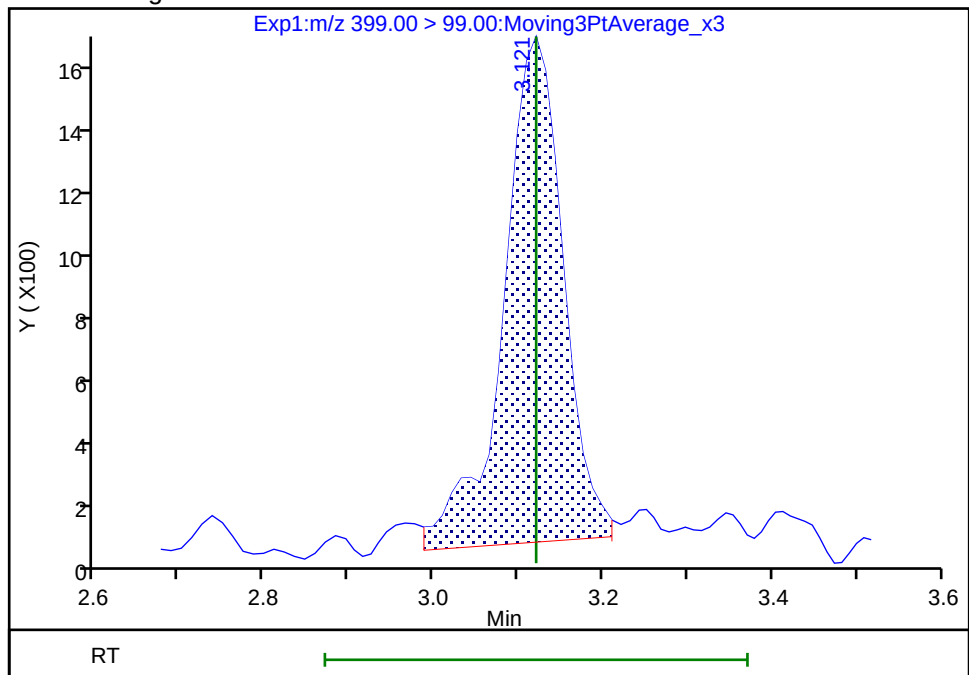
RT: 3.12
Area: 7688
Amount: 0.018240
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 7292
Amount: 0.018214
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:17:37

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

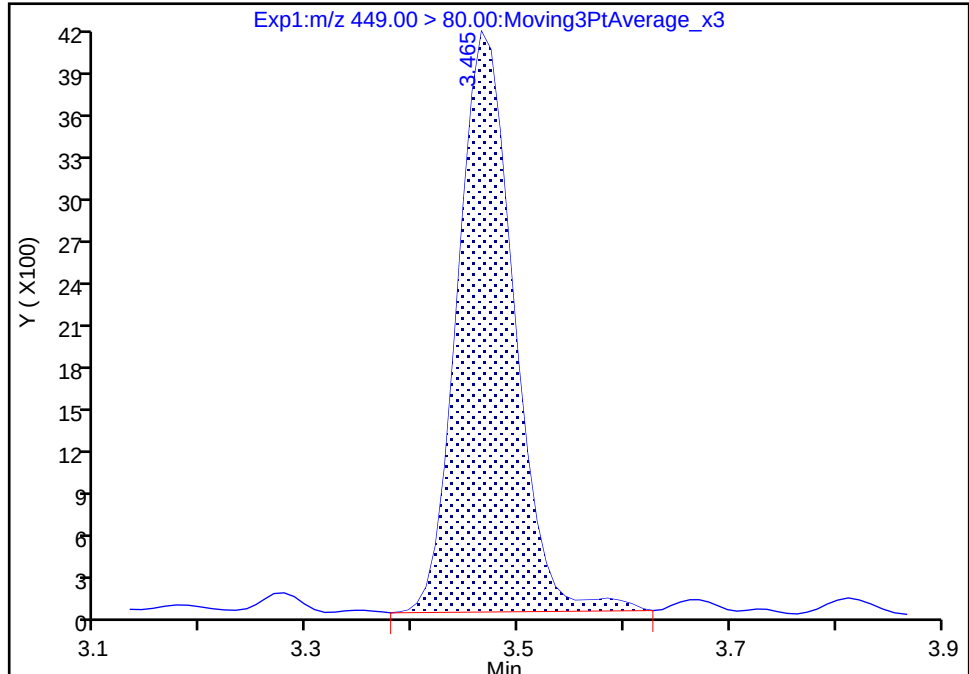
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

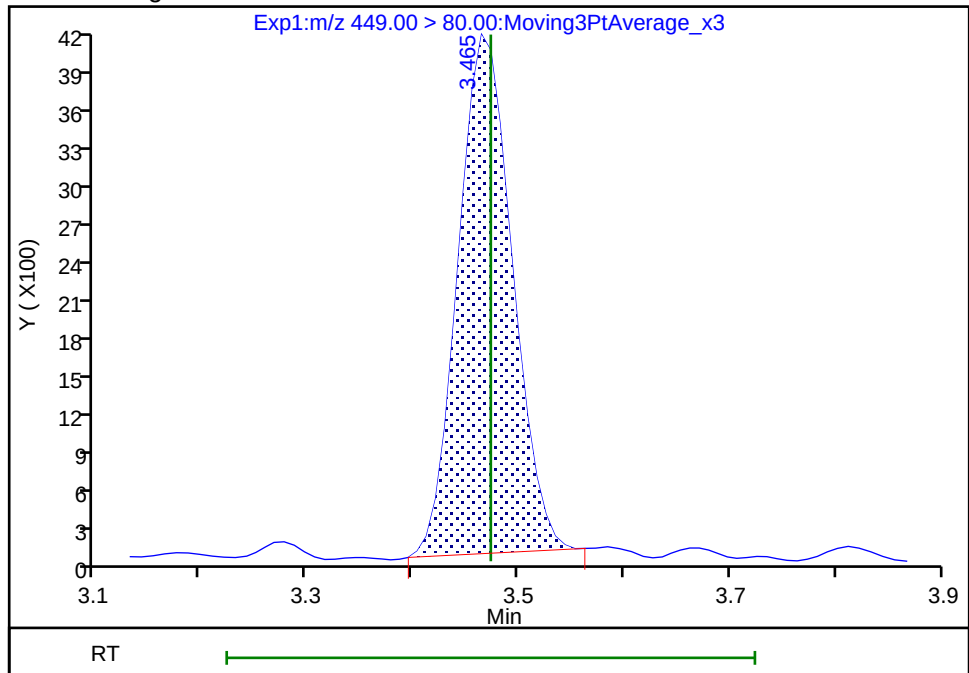
RT: 3.46
Area: 15245
Amount: 0.016269
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 14529
Amount: 0.015505
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:18:20
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1373 of 1695

08/18/2022

Eurofins Burlington

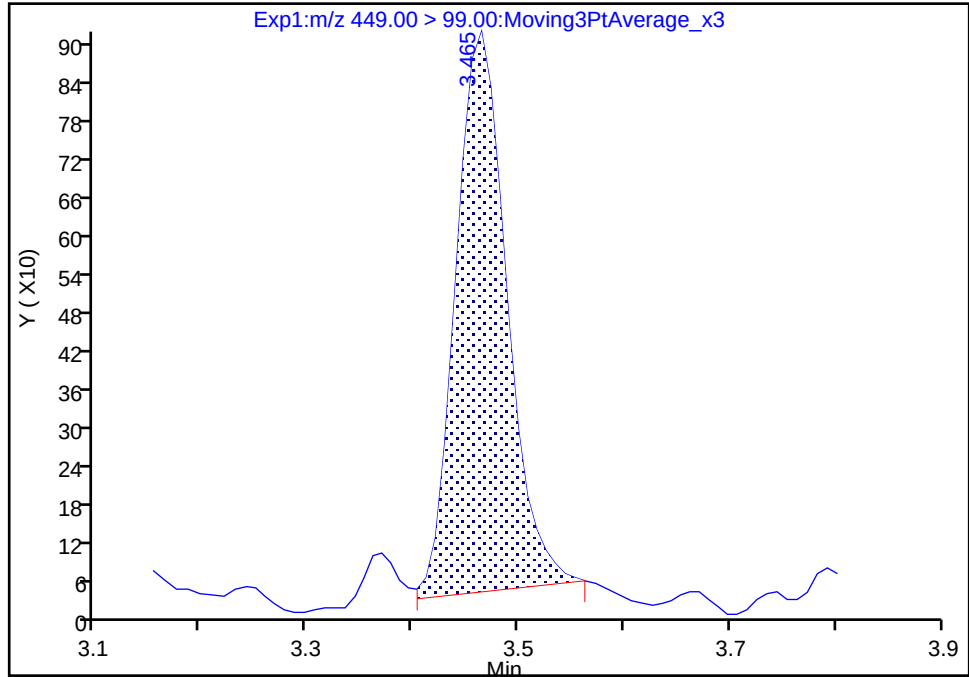
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

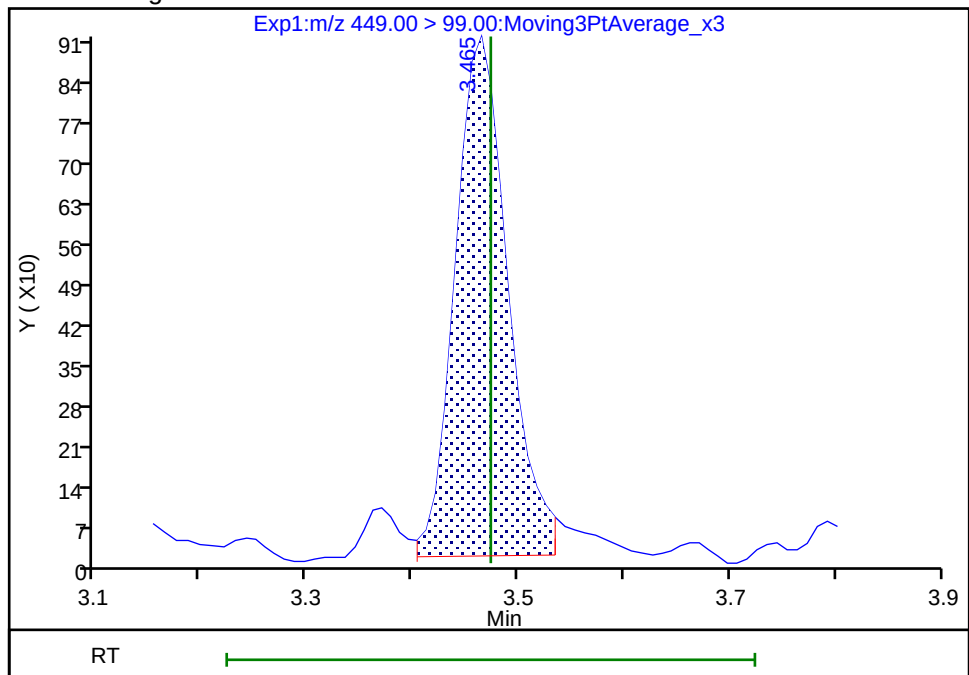
RT: 3.46
Area: 2914
Amount: 0.016269
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 3074
Amount: 0.015505
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:18:31

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

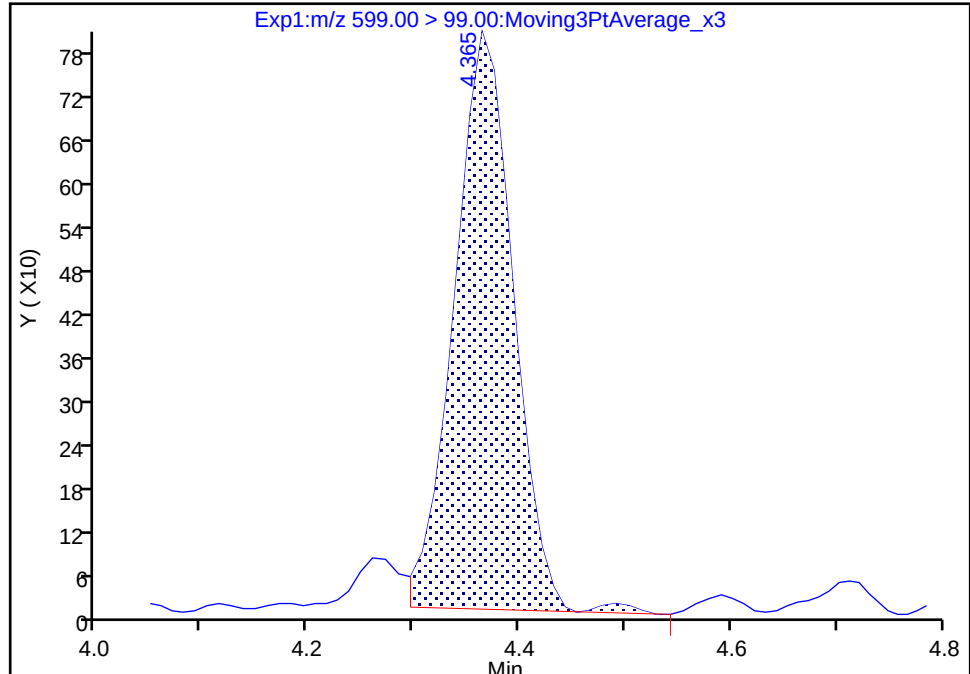
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

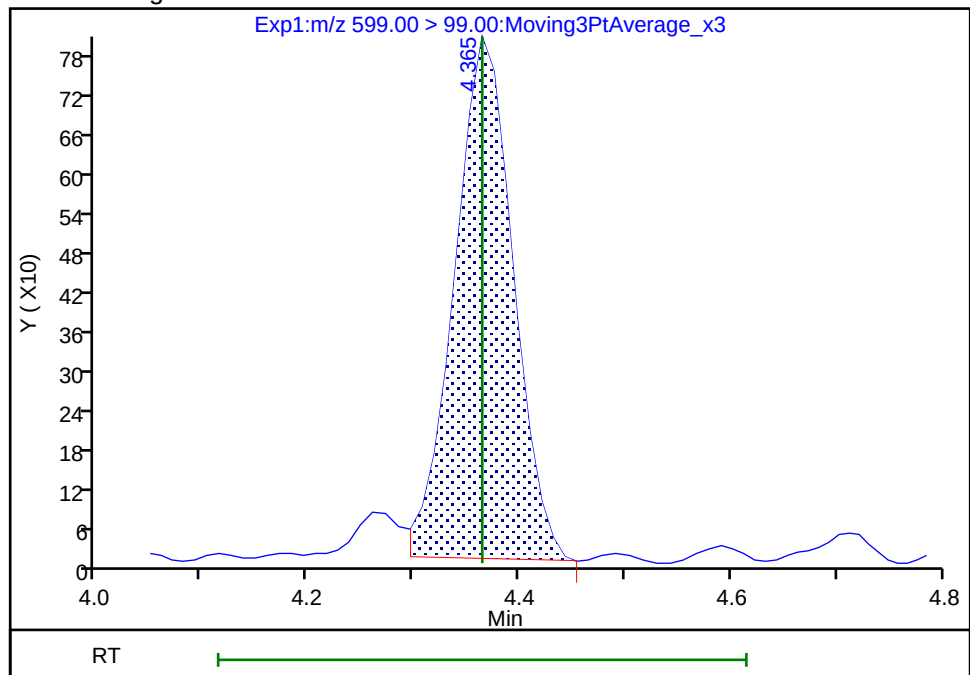
RT: 4.36
Area: 3098
Amount: 0.014613
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 3067
Amount: 0.014613
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:21:26

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

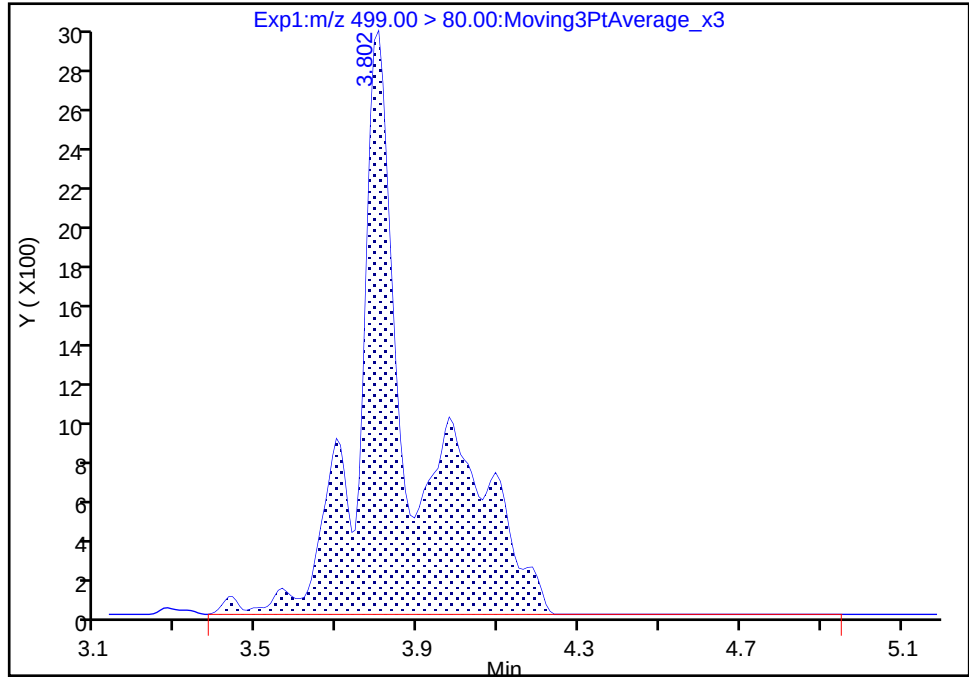
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

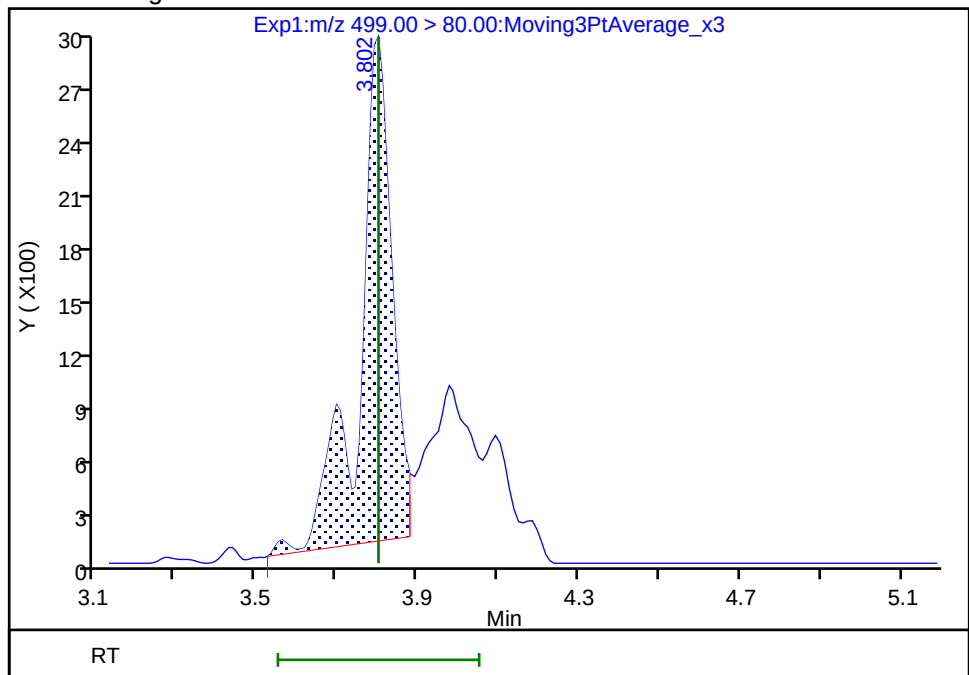
RT: 3.80
Area: 29324
Amount: 0.020402
Amount Units: ng/ml

Processing Integration Results



RT: 3.80
Area: 15622
Amount: 0.002237
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:19:08
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

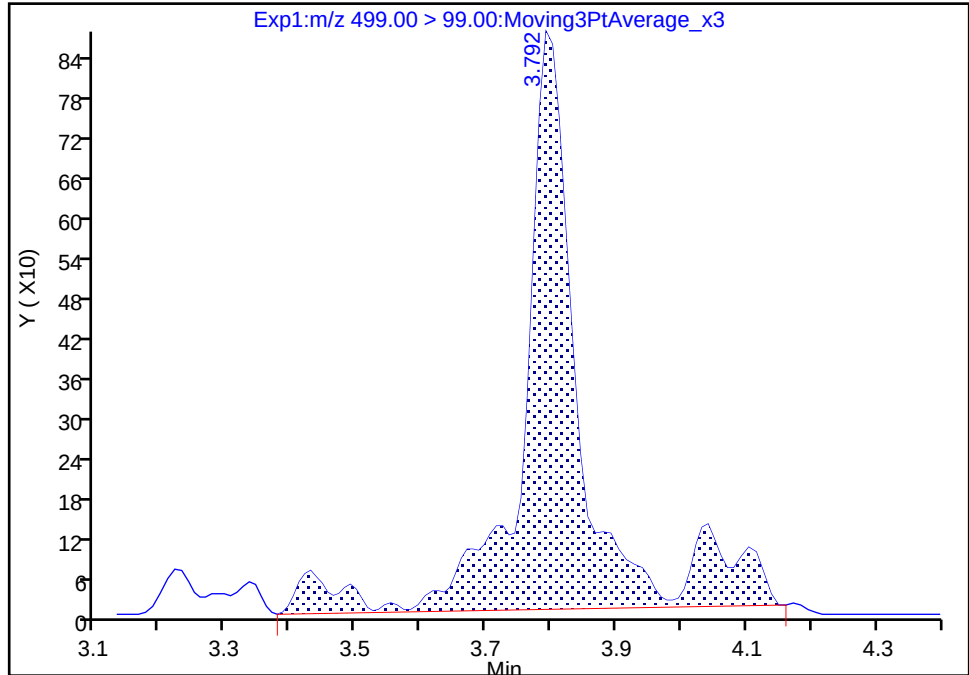
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

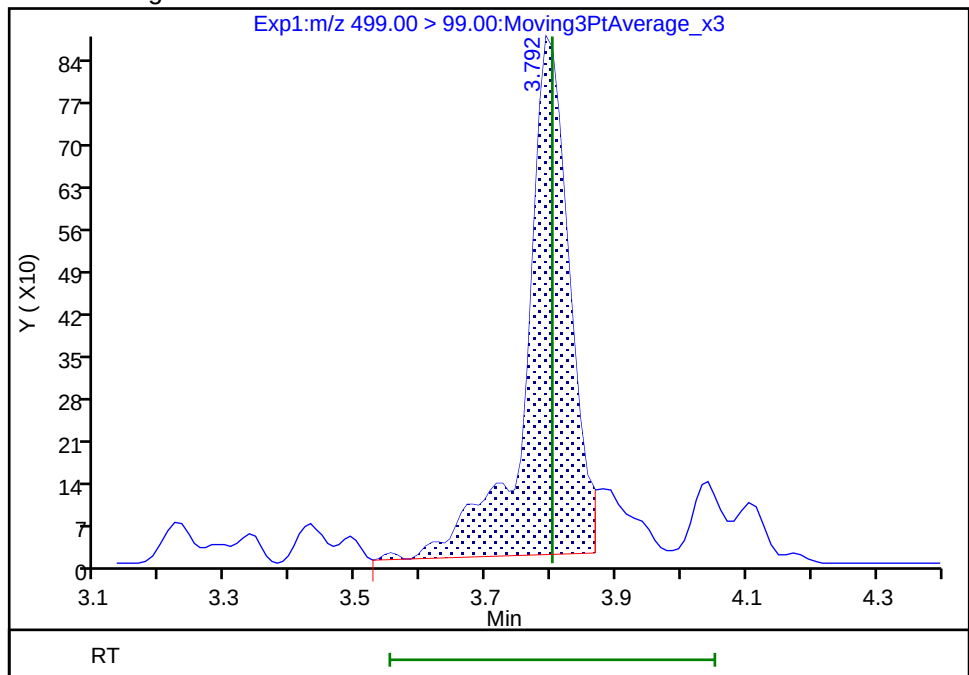
RT: 3.79
Area: 5527
Amount: 0.020402
Amount Units: ng/ml

Processing Integration Results



RT: 3.79
Area: 4033
Amount: 0.002237
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:19:11

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

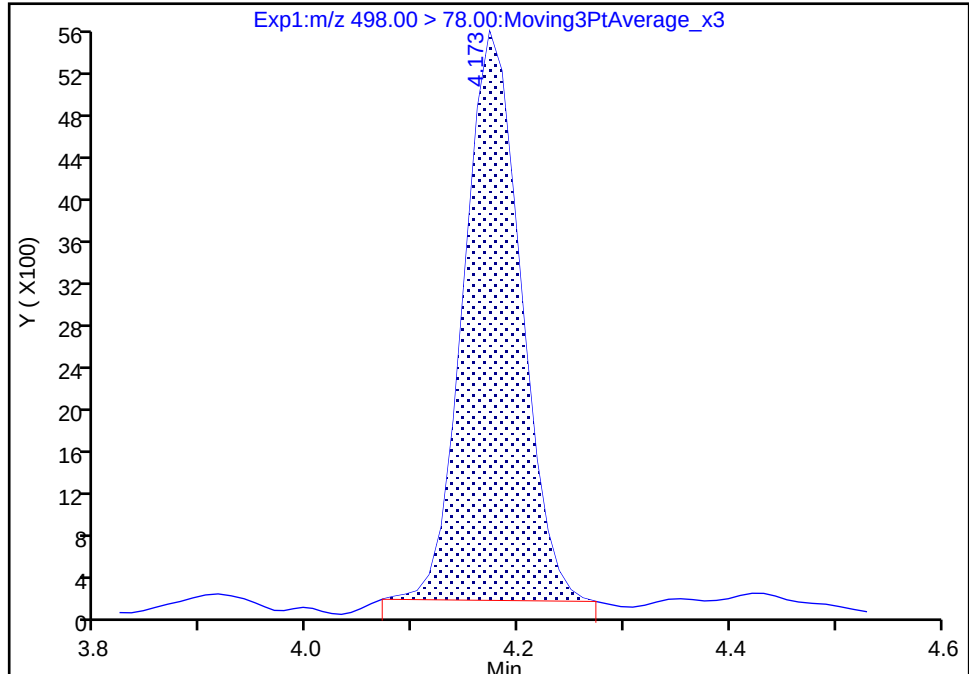
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

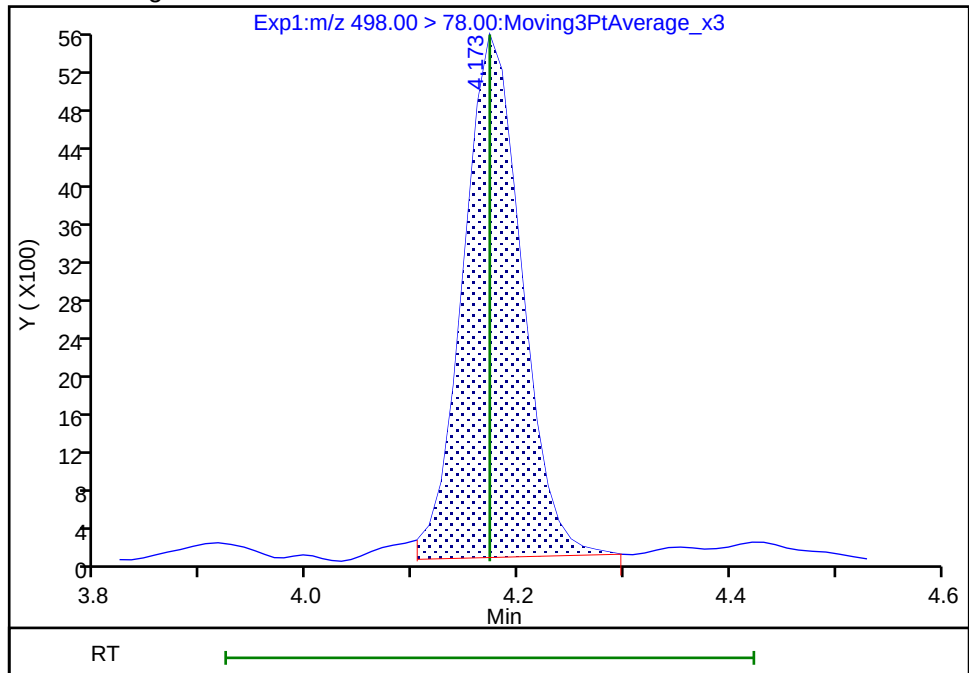
RT: 4.17
Area: 20295
Amount: 0.016879
Amount Units: ng/ml

Processing Integration Results



RT: 4.17
Area: 21149
Amount: 0.017590
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:20:30
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1378 of 1695

08/18/2022

Eurofins Burlington

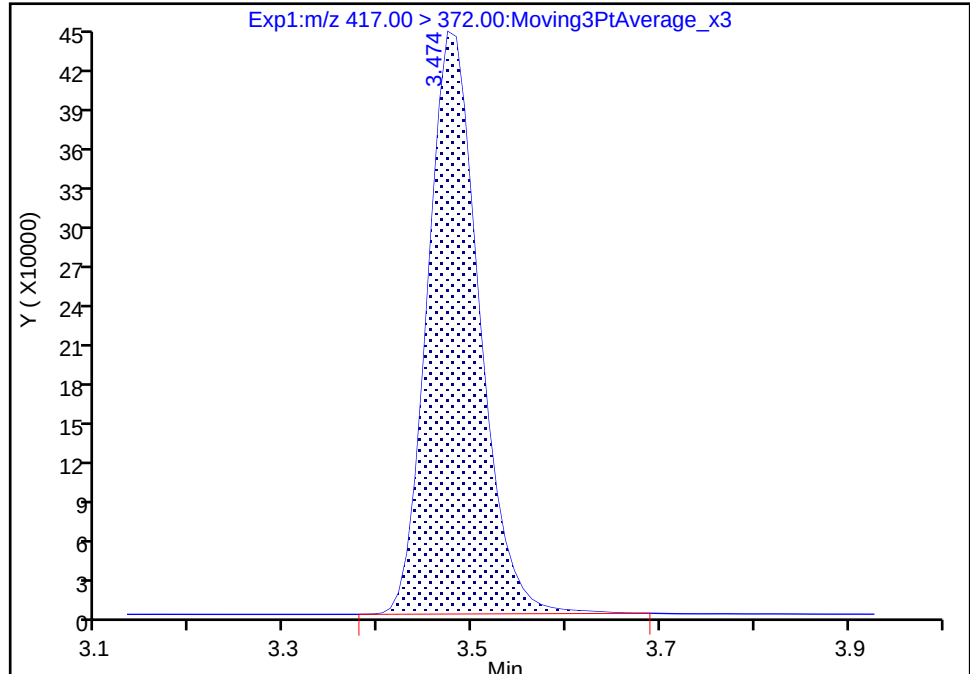
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 14 13C4 PFOA, CAS: STL00990

Signal: 1

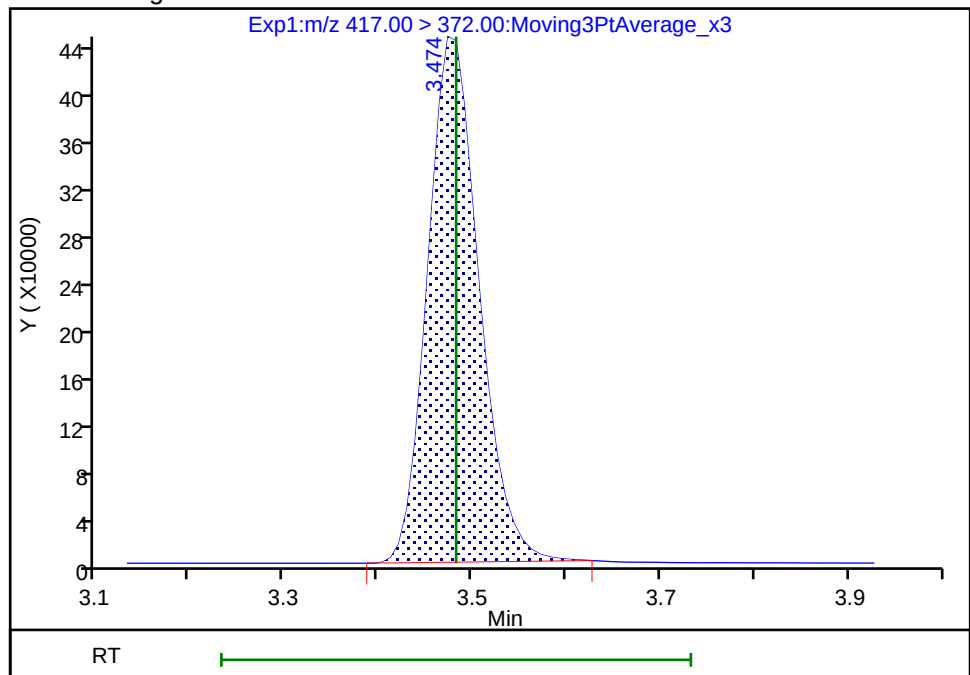
RT: 3.47
Area: 1683402
Amount: 1.270581
Amount Units: ng/ml

Processing Integration Results



RT: 3.47
Area: 1670098
Amount: 1.260540
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:18:51

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

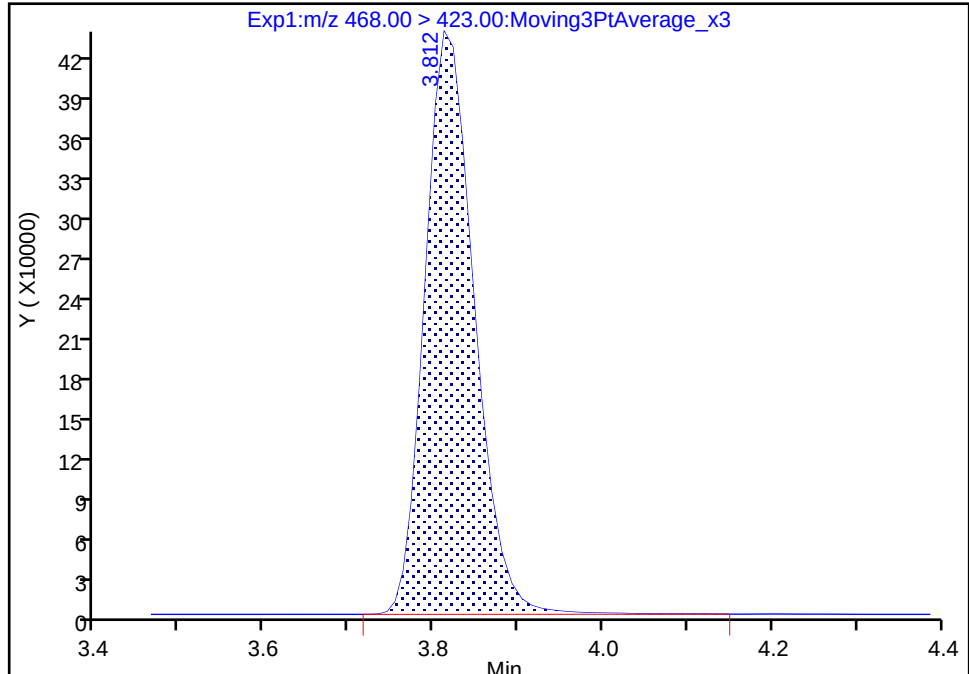
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 19 13C5 PFNA, CAS: STL00995

Signal: 1

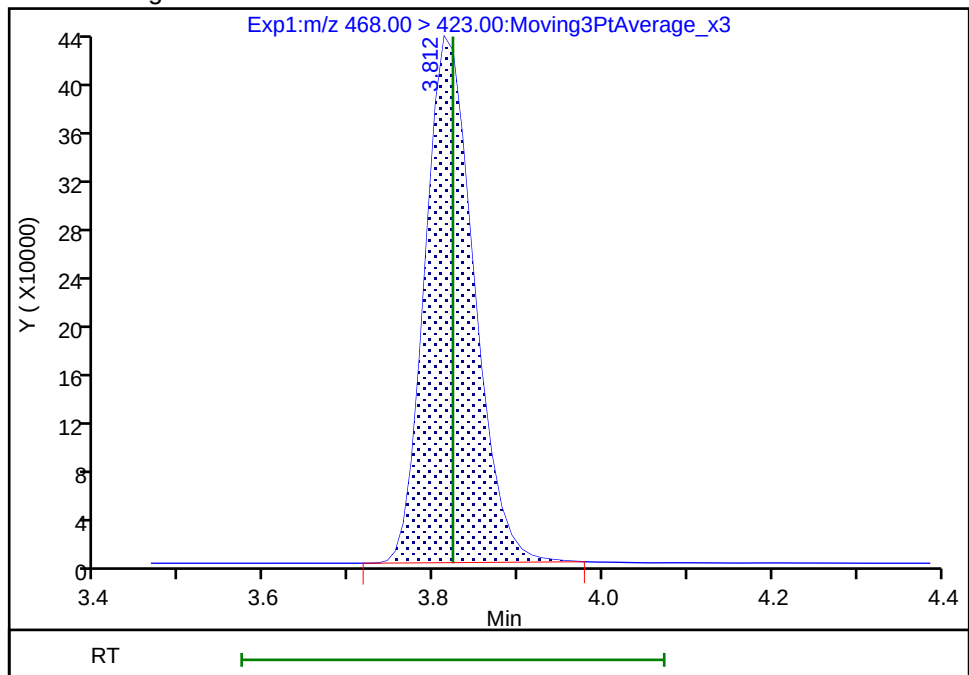
RT: 3.81
Area: 1762565
Amount: 1.281409
Amount Units: ng/ml

Processing Integration Results



RT: 3.81
Area: 1749304
Amount: 1.271768
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:19:26

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

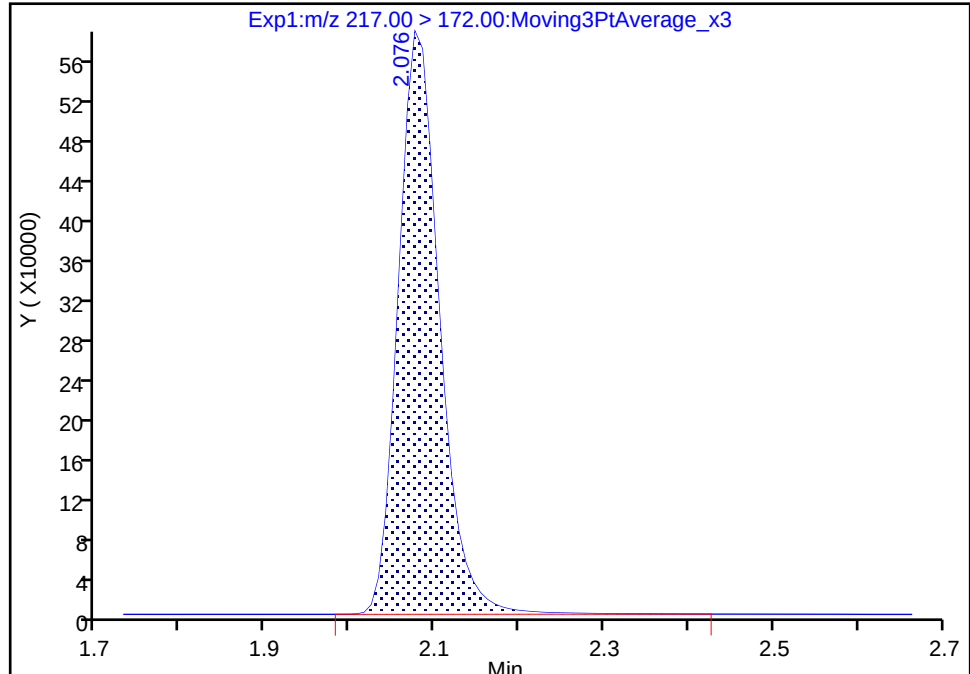
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 1 13C4 PFBA, CAS: STL00992

Signal: 1

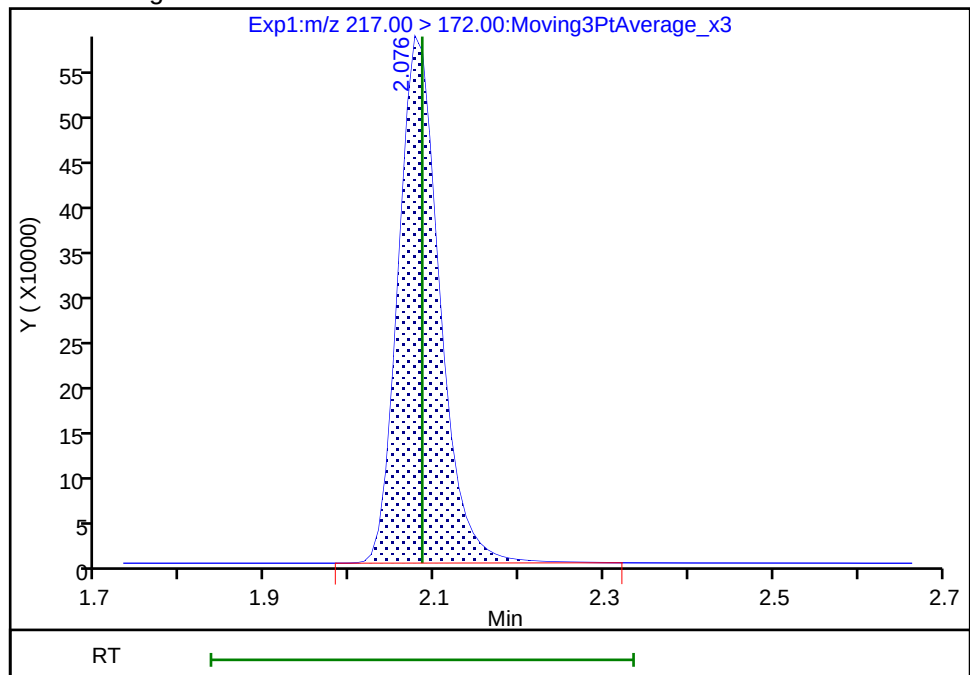
RT: 2.08
Area: 1964772
Amount: 1.210369
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 1960887
Amount: 1.207976
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:09:26

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

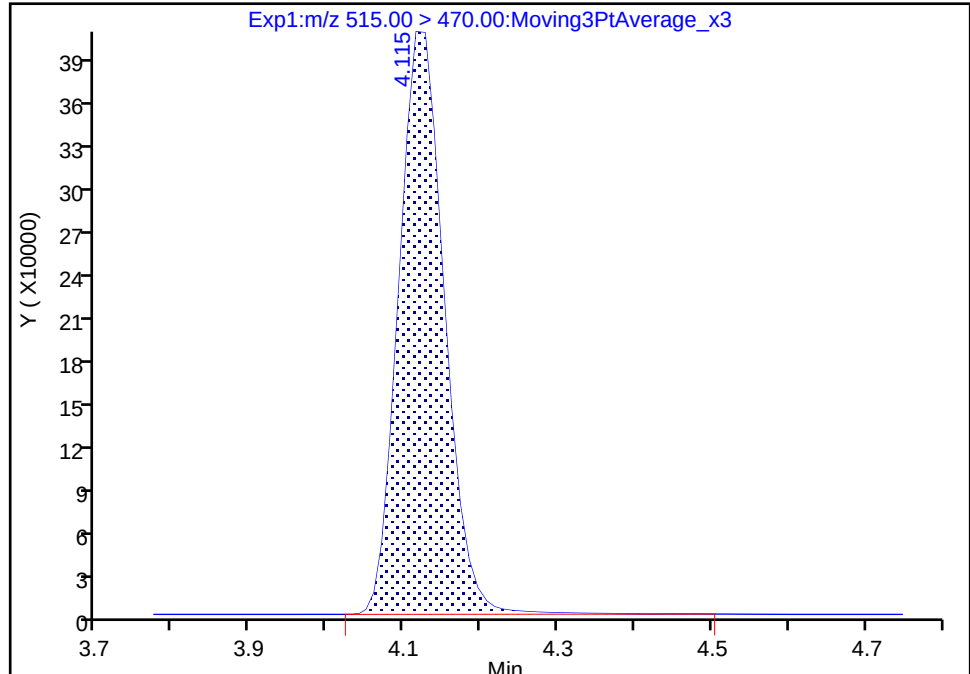
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 23 13C2 PFDA, CAS: STL00996

Signal: 1

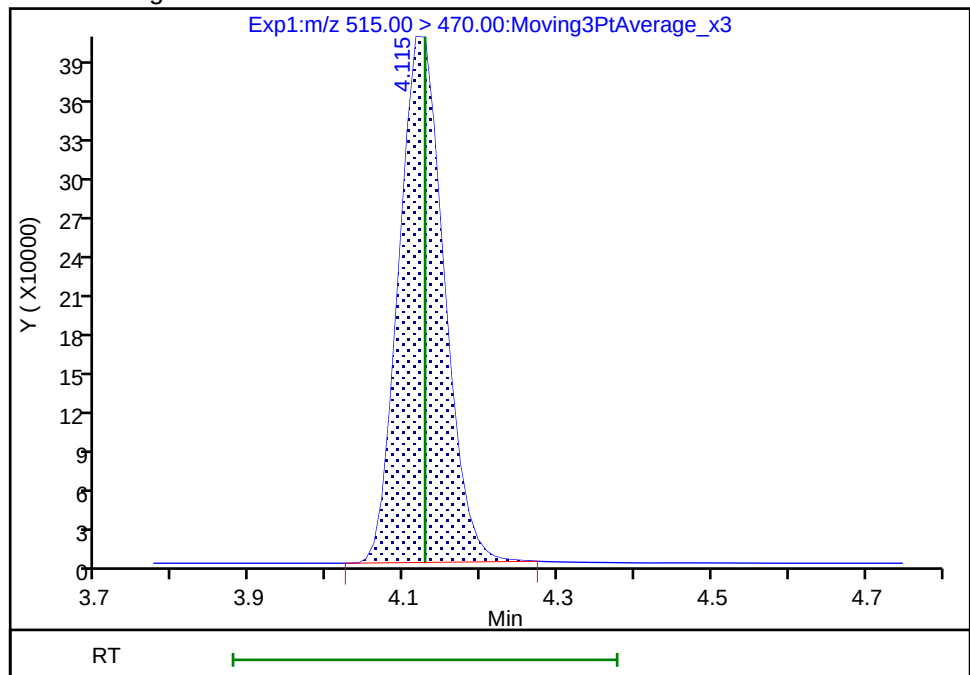
RT: 4.12
Area: 1663534
Amount: 1.242673
Amount Units: ng/ml

Processing Integration Results



RT: 4.12
Area: 1648156
Amount: 1.231185
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:20:15
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

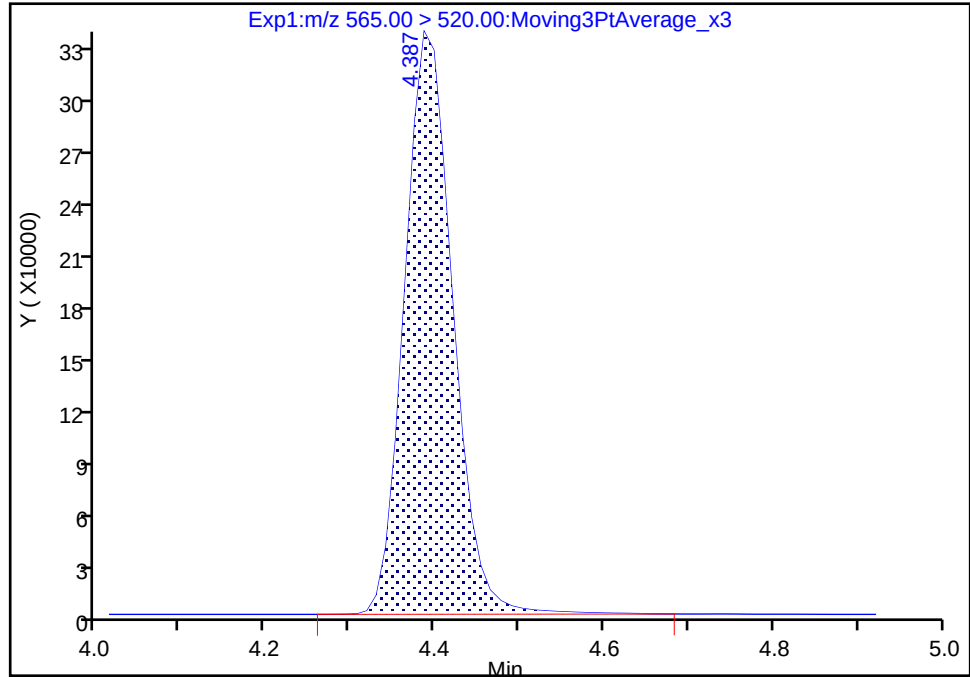
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

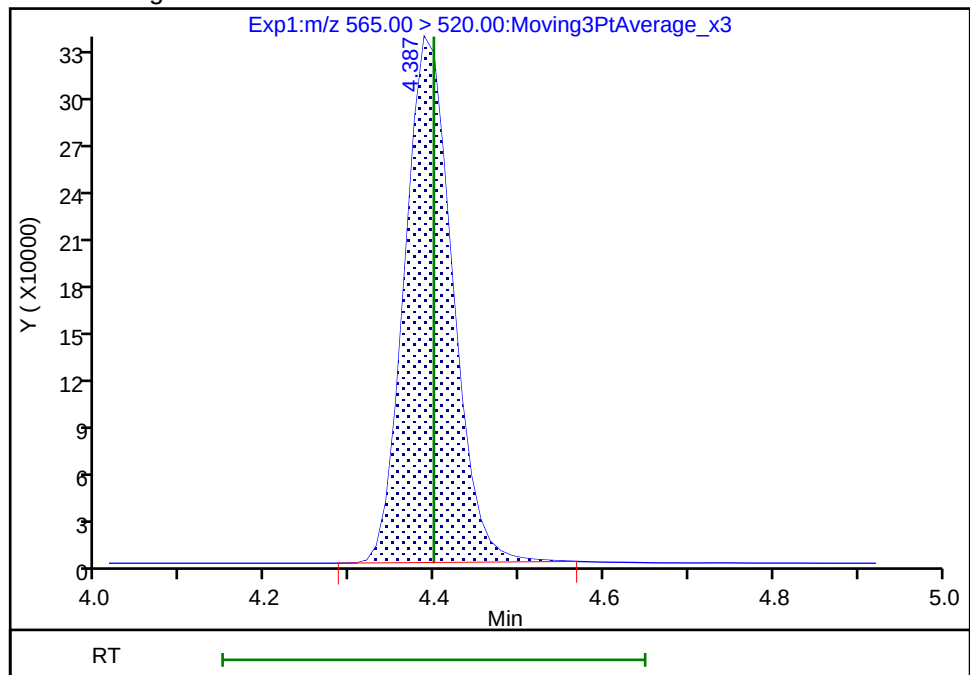
RT: 4.39
Area: 1307700
Amount: 1.289285
Amount Units: ng/ml

Processing Integration Results



RT: 4.39
Area: 1296470
Amount: 1.278214
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:21:39
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1383 of 1695

08/18/2022

Eurofins Burlington

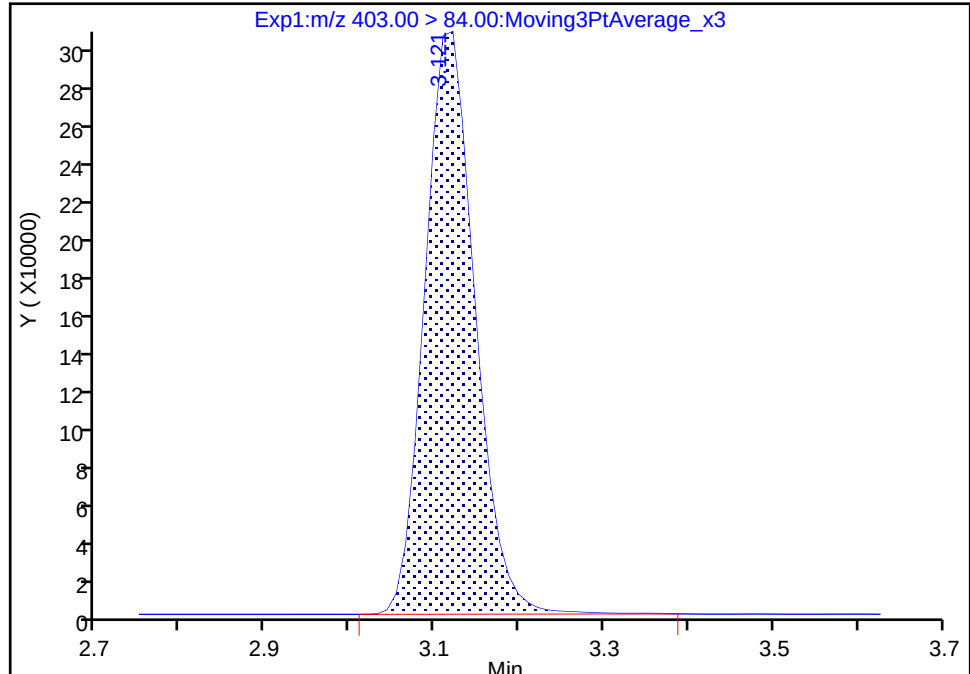
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 11 18O2 PFHxS, CAS: STL00994

Signal: 1

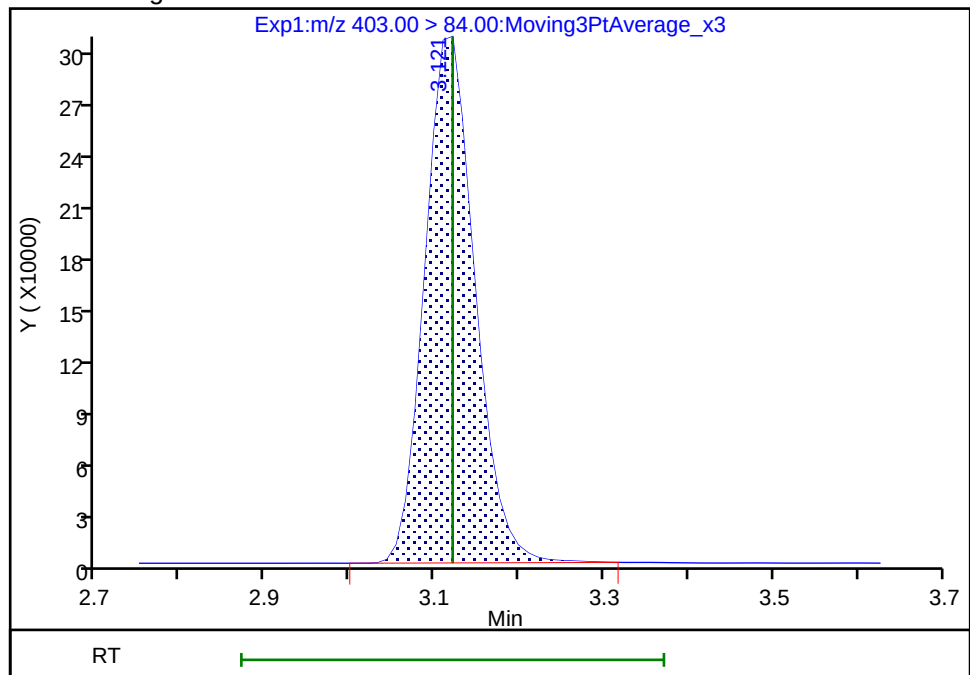
RT: 3.12
Area: 1246622
Amount: 1.226892
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 1243333
Amount: 1.223655
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:17:10
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

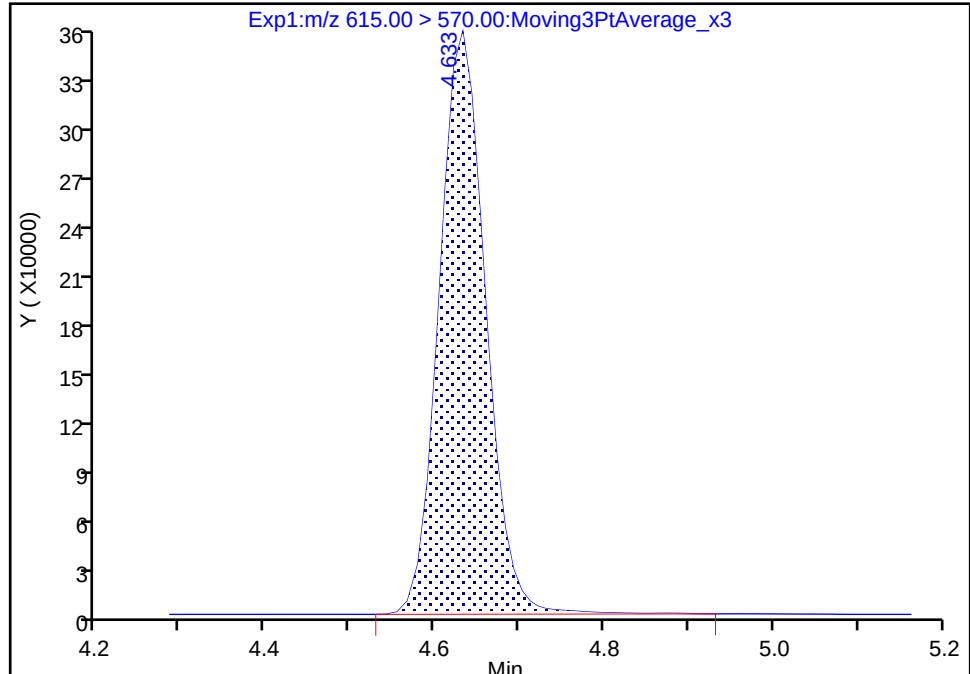
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 36 13C2 PFD_oA, CAS: STL00998

Signal: 1

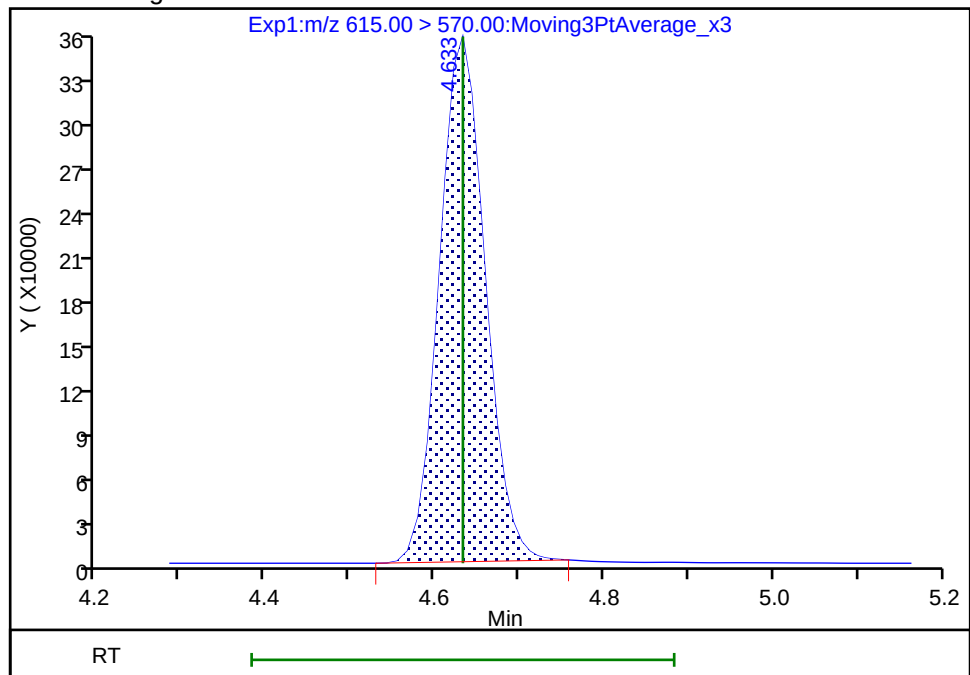
RT: 4.63
Area: 1345417
Amount: 1.280079
Amount Units: ng/ml

Processing Integration Results



RT: 4.63
Area: 1325182
Amount: 1.260827
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:21:57

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

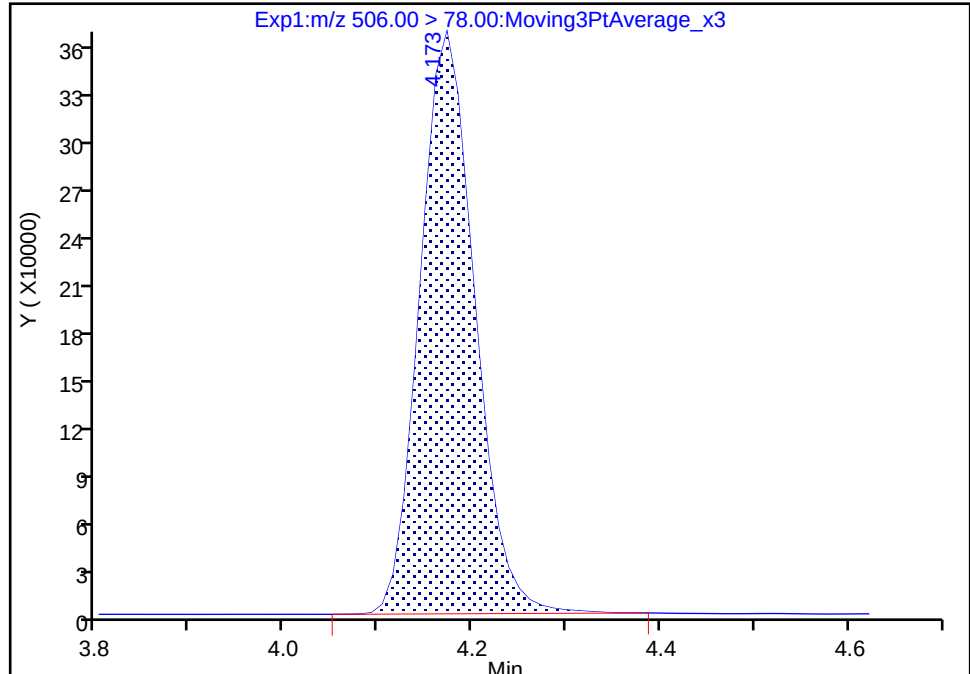
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

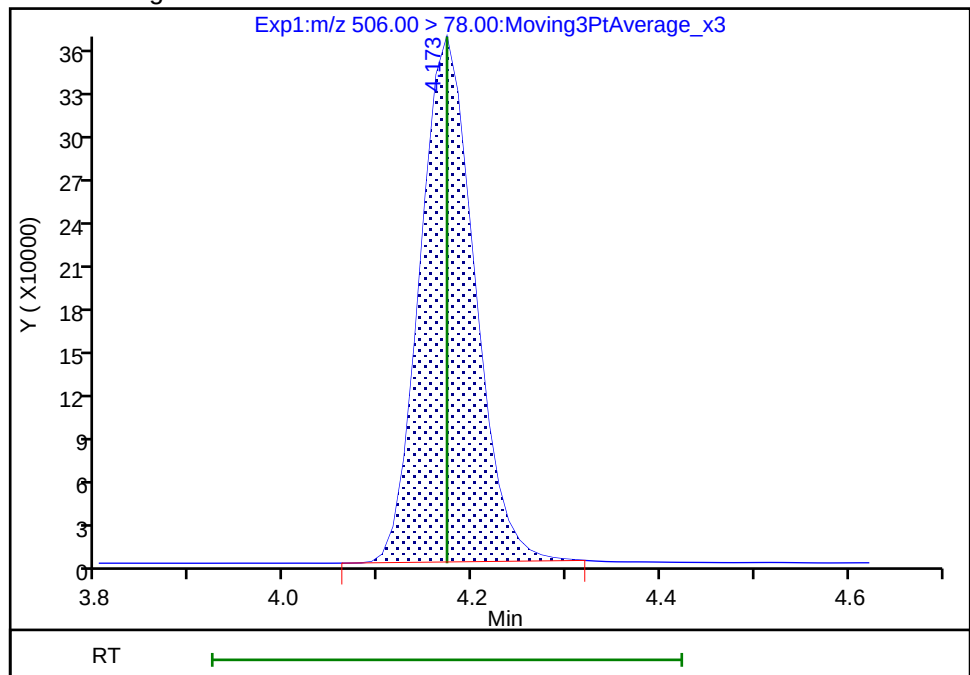
RT: 4.17
Area: 1486276
Amount: 1.268543
Amount Units: ng/ml

Processing Integration Results



RT: 4.17
Area: 1474899
Amount: 1.258832
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:20:22
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

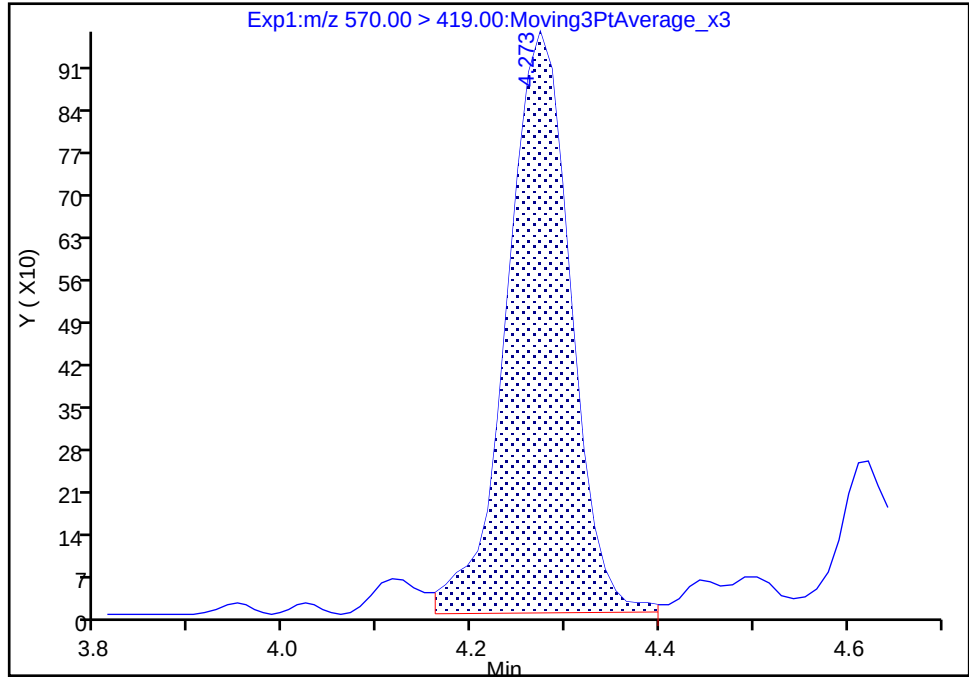
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

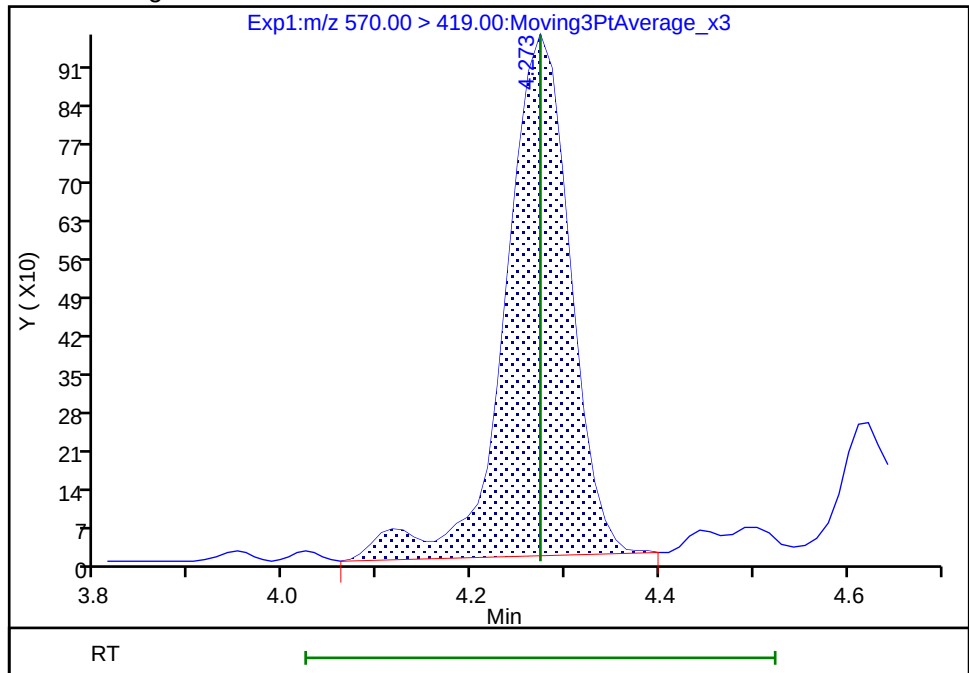
RT: 4.27
Area: 4547
Amount: 0.029158
Amount Units: ng/ml

Processing Integration Results



RT: 4.27
Area: 4635
Amount: 0.029842
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:21:07
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

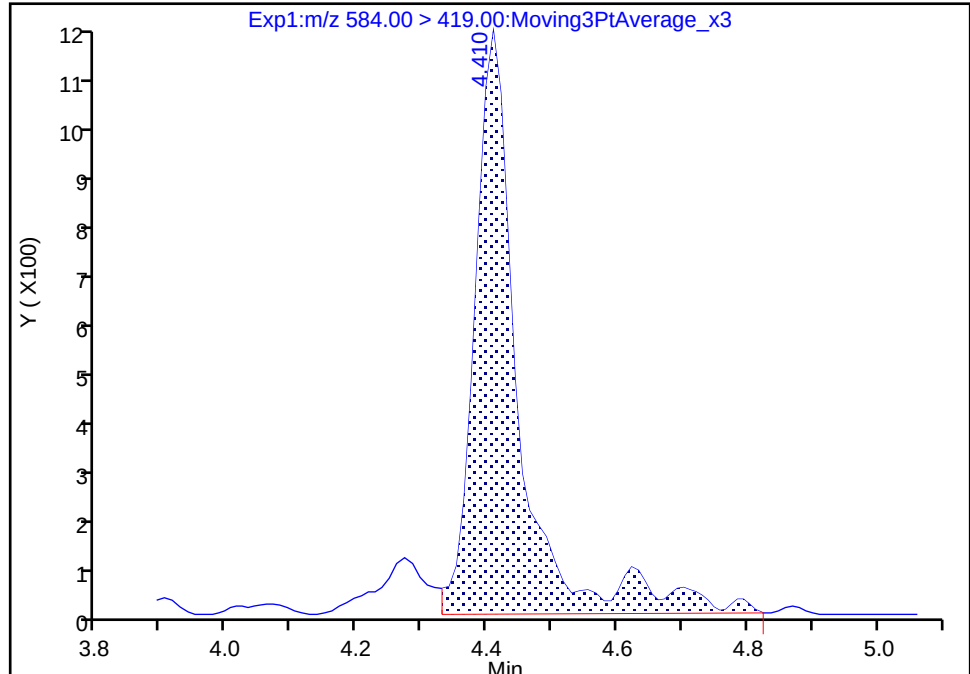
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

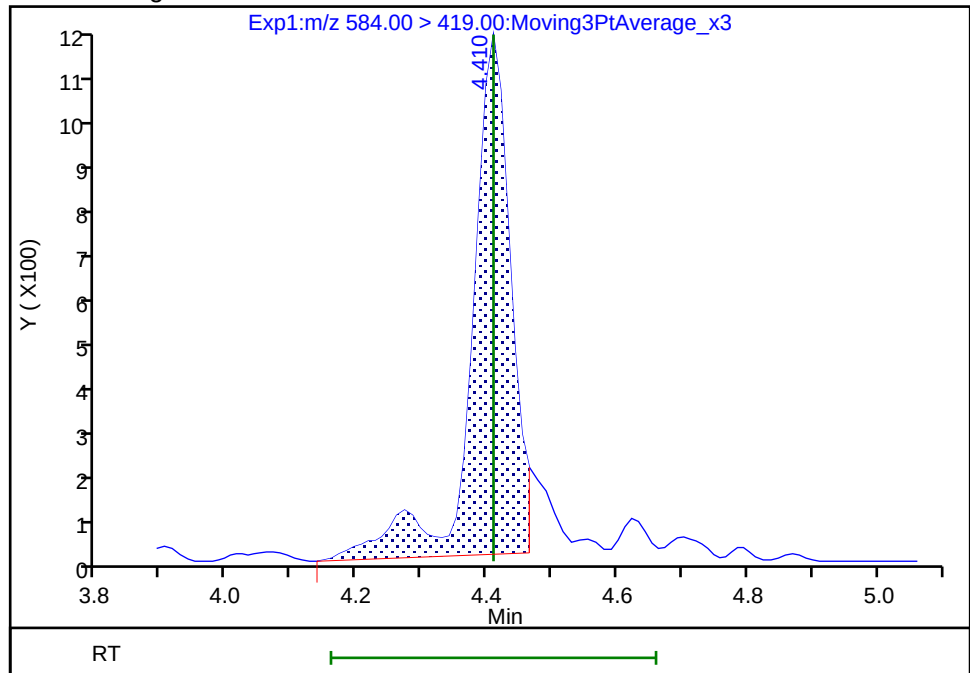
RT: 4.41
Area: 5664
Amount: 0.038806
Amount Units: ng/ml

Processing Integration Results



RT: 4.41
Area: 4914
Amount: 0.033668
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:21:49
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

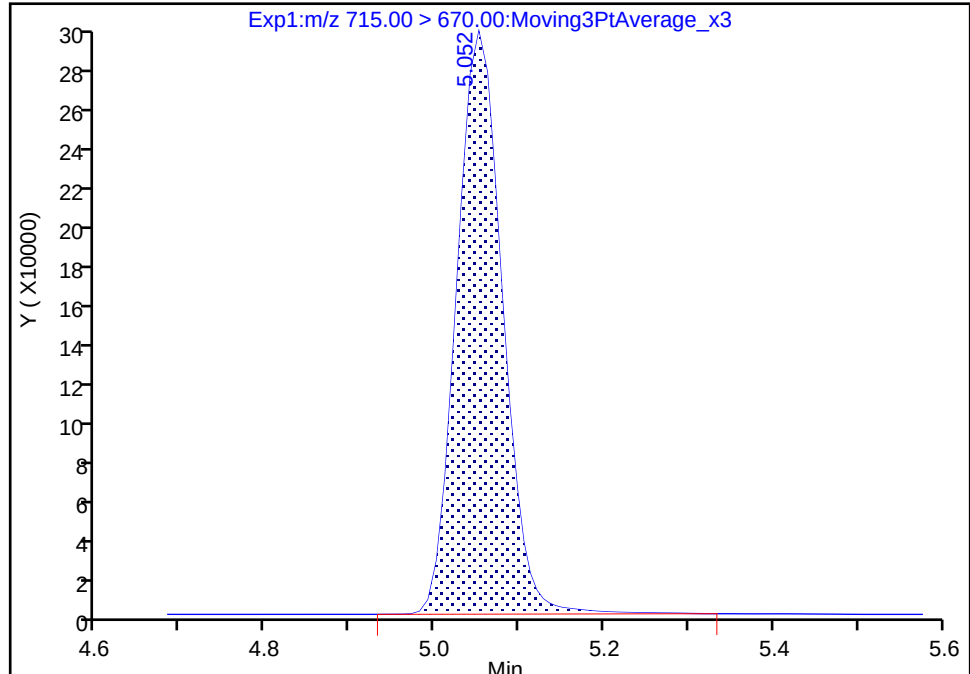
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

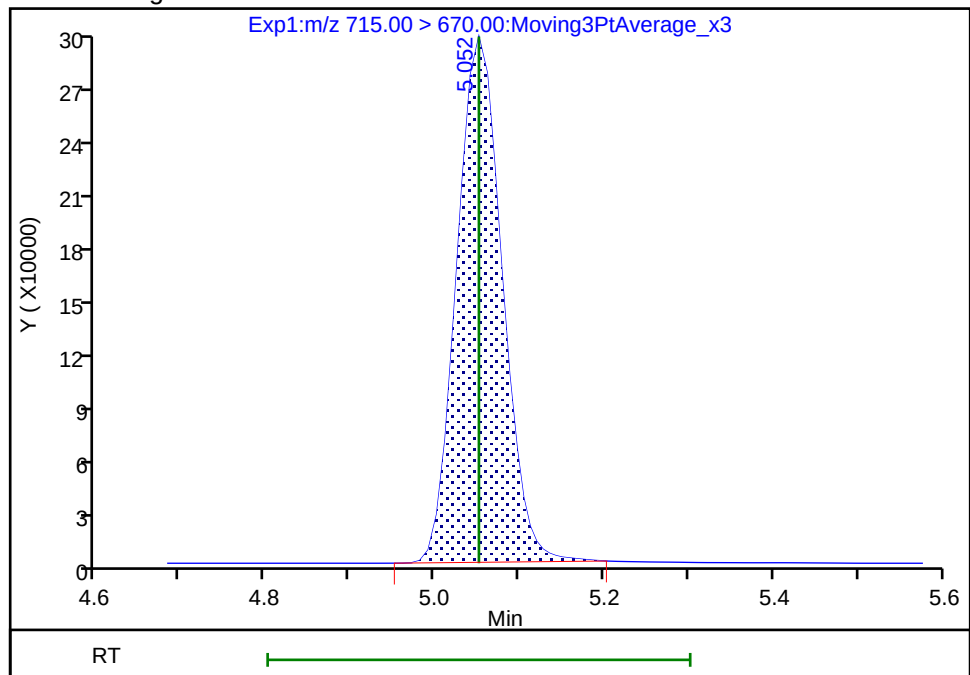
RT: 5.05
Area: 1104105
Amount: 1.285043
Amount Units: ng/ml

Processing Integration Results



RT: 5.05
Area: 1093349
Amount: 1.272525
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:22:11
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

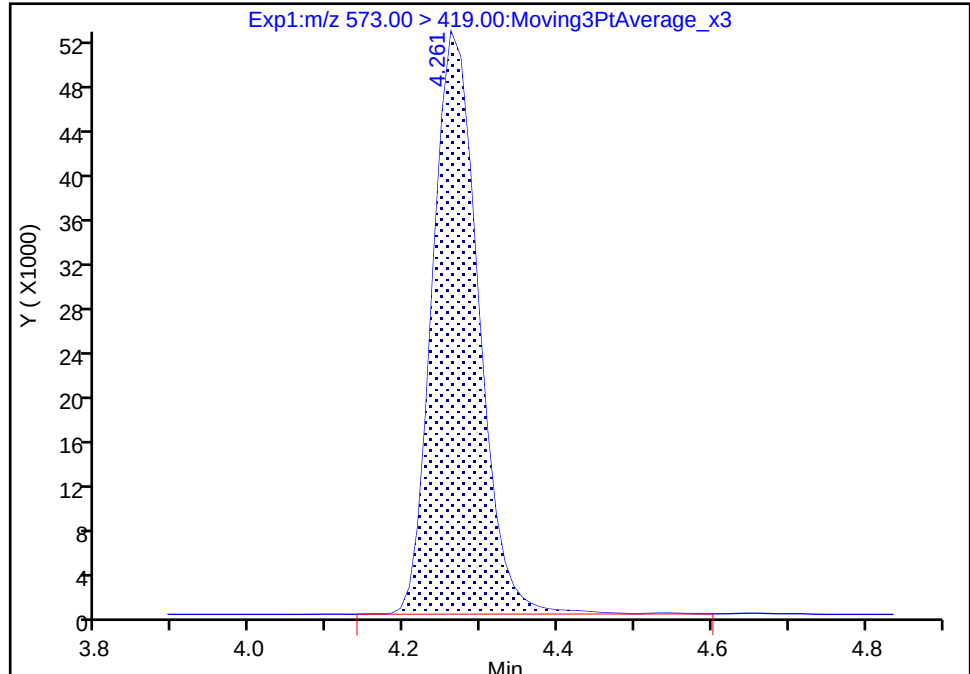
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

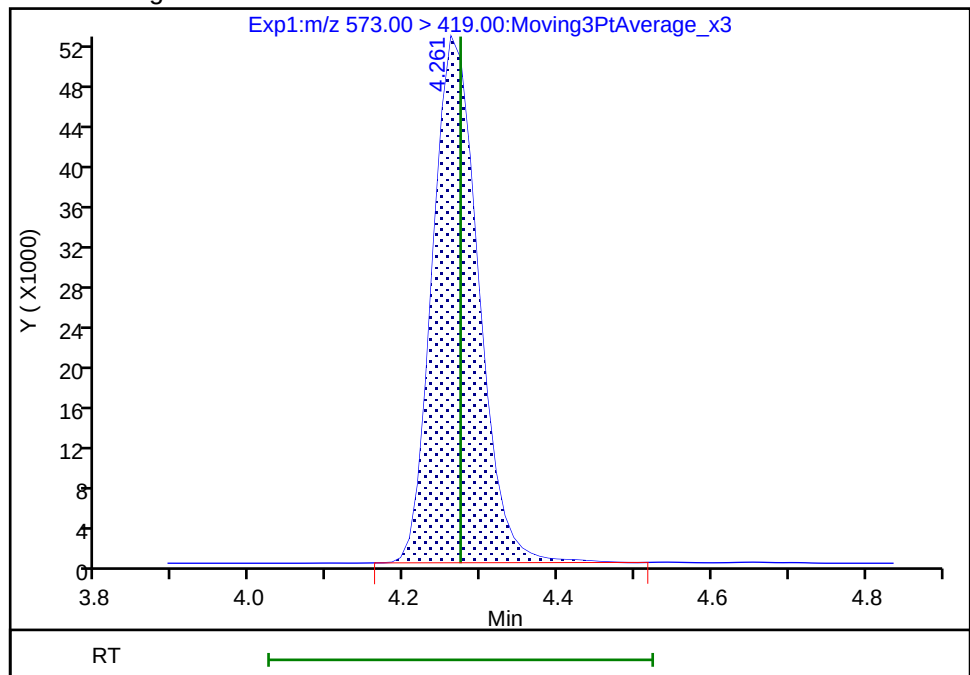
RT: 4.26
Area: 219489
Amount: 1.223294
Amount Units: ng/ml

Processing Integration Results



RT: 4.26
Area: 218608
Amount: 1.218384
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:21:17

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

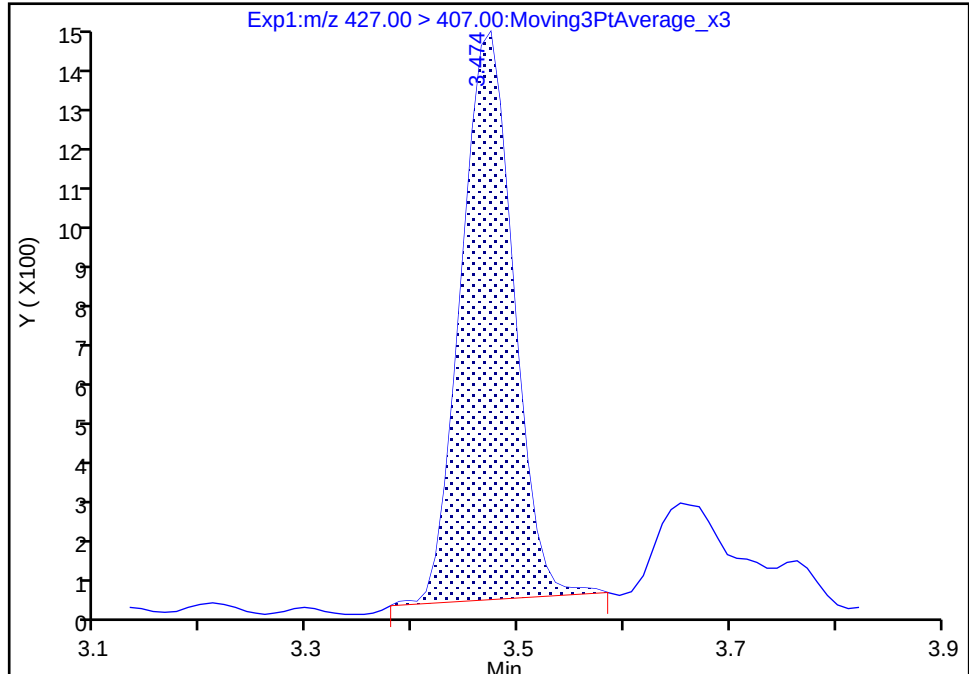
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

13 1H,1H,2H,2H-perfluorooctanesulfo, CAS: 27619-97-2

Signal: 1

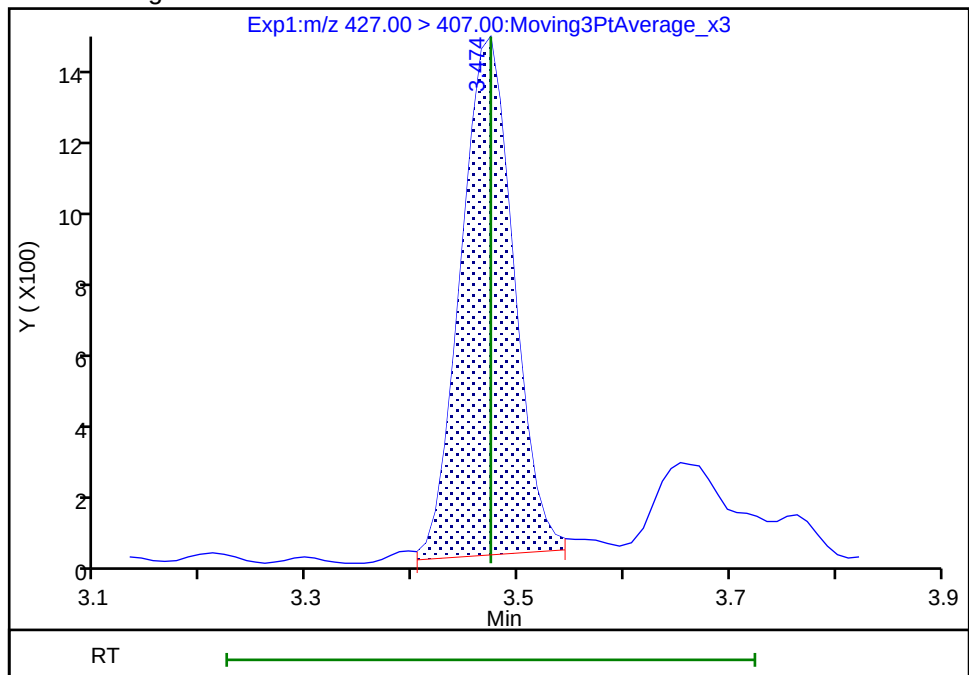
RT: 3.47
Area: 4745
Amount: 0.002733
Amount Units: ng/ml

Processing Integration Results



RT: 3.47
Area: 4816
Amount: 0.003025
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:18:14
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

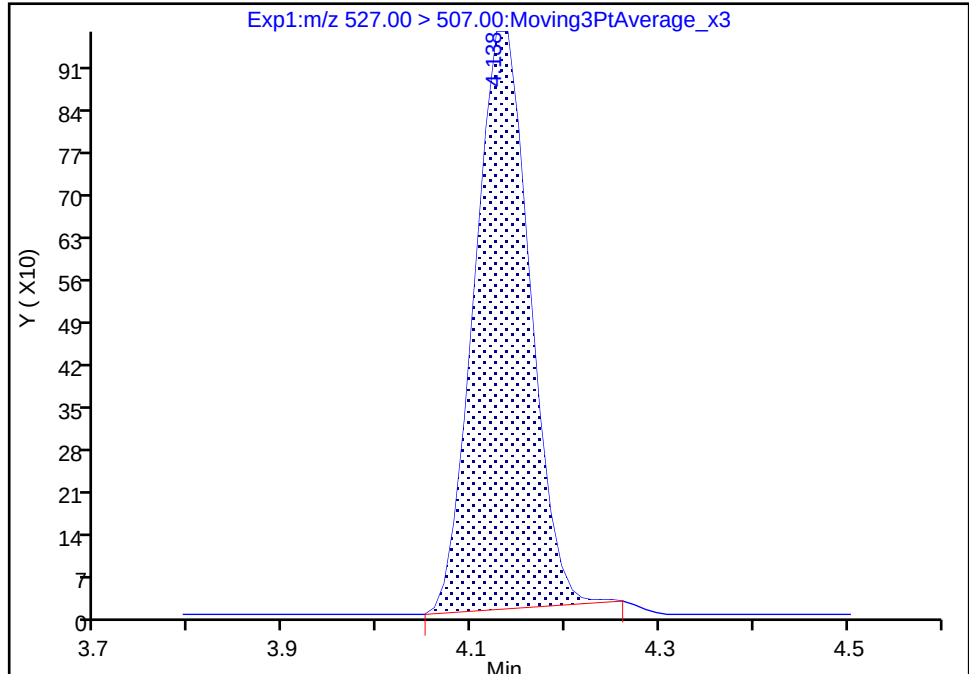
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

25 1H,1H,2H,2H-perfluorodecanesulfo, CAS: 39108-34-4

Signal: 1

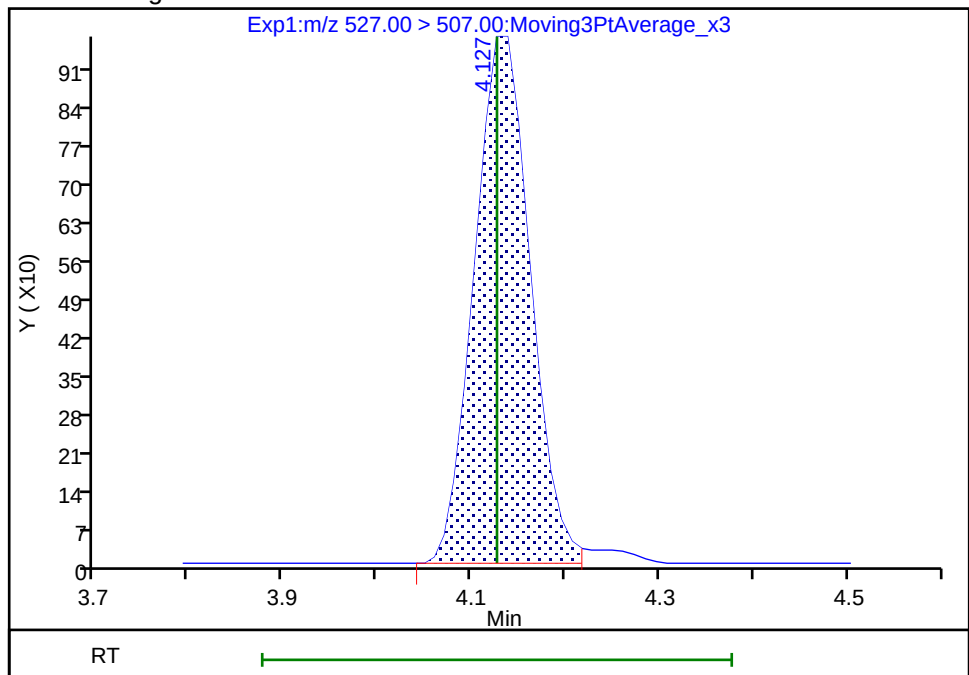
RT: 4.14
Area: 3905
Amount: 0.019460
Amount Units: ng/ml

Processing Integration Results



RT: 4.13
Area: 3981
Amount: 0.019839
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:20:04
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

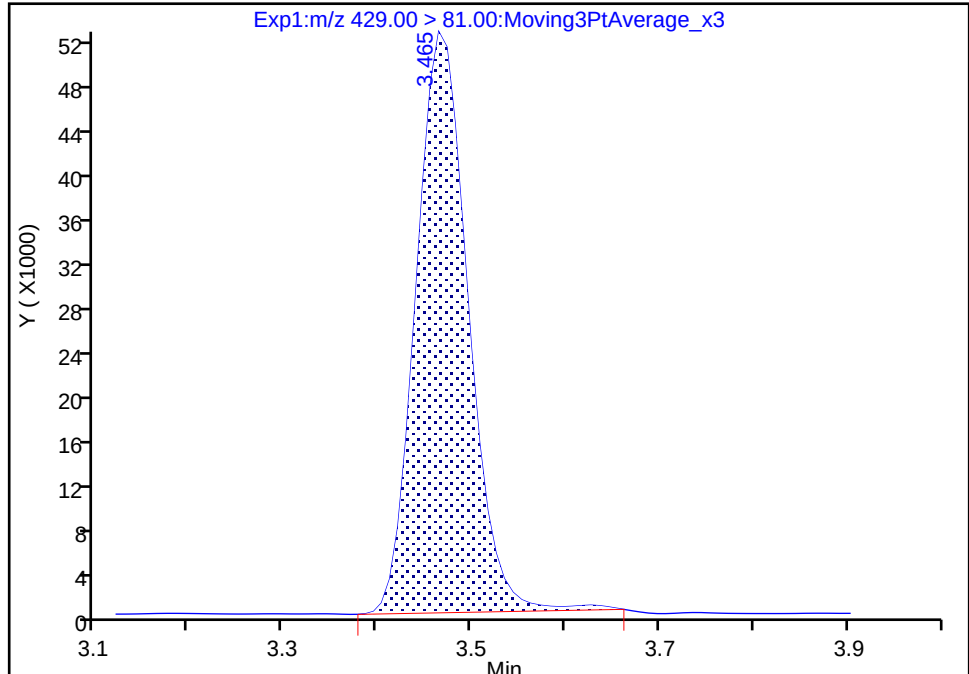
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 12 M2-6:2 FTS, CAS: STL02279

Signal: 1

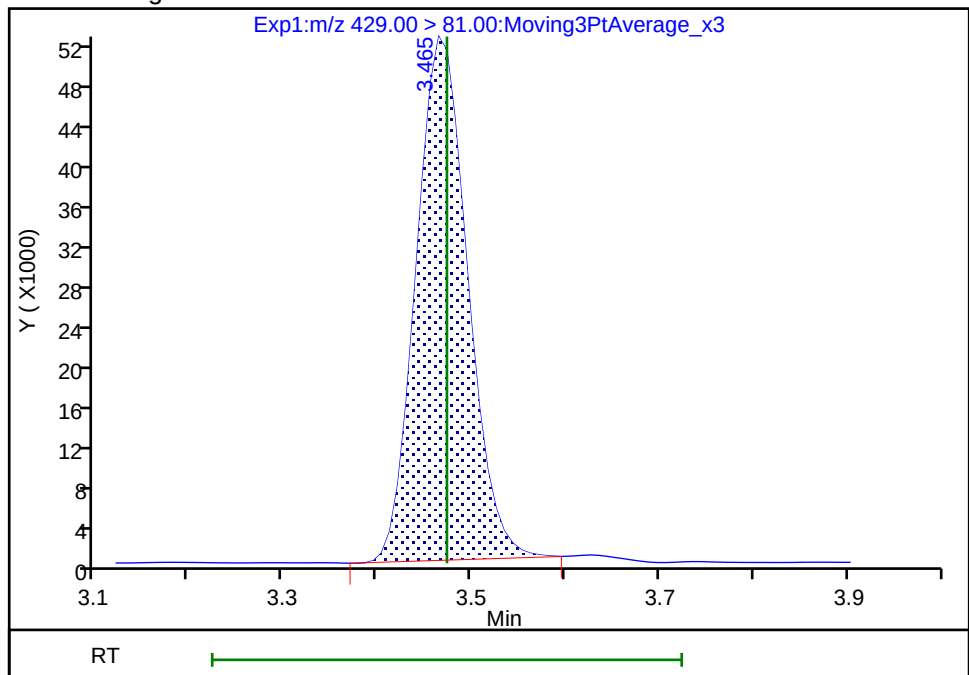
RT: 3.46
Area: 201424
Amount: 1.184406
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 197884
Amount: 1.163590
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:17:59

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

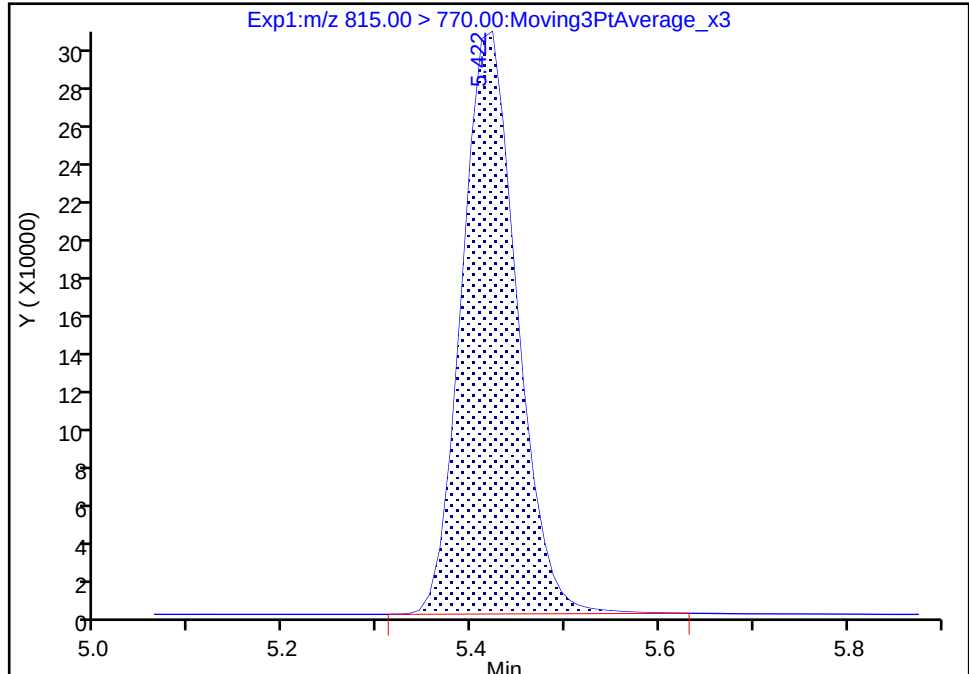
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 44 13C2 PFHxDA, CAS: STL02115

Signal: 1

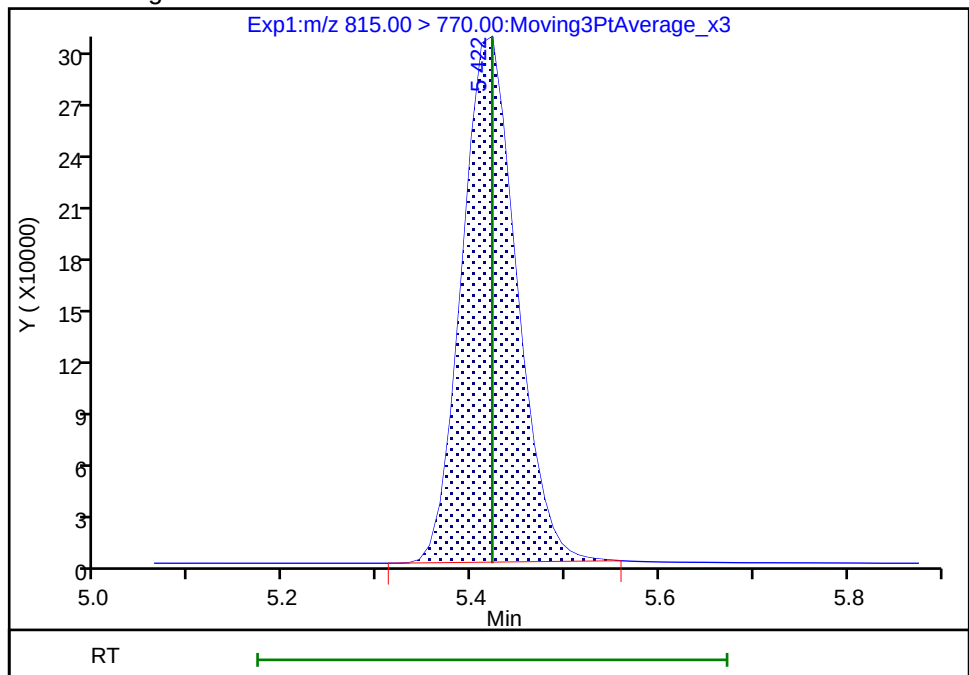
RT: 5.42
Area: 1229467
Amount: 1.256183
Amount Units: ng/ml

Processing Integration Results



RT: 5.42
Area: 1220279
Amount: 1.246795
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:22:17

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-263208-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 200-182492/2-A

Matrix: Water Lab File ID: PA220809A07.d

Analysis Method: 537 (modified) Date Collected: _____

Extraction Method: 3535 Date Extracted: 08/09/2022 10:37

Sample wt/vol: 250 (mL) Date Analyzed: 08/09/2022 16:40

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.: 182508 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	82.13		5.00	1.20
2706-90-3	Perfluoropentanoic acid (PFPeA)	85.12		2.00	0.68
307-24-4	Perfluorohexanoic acid (PFHxA)	87.00		2.00	0.65
375-85-9	Perfluoroheptanoic acid (PFHpA)	83.25		2.00	0.54
335-67-1	Perfluorooctanoic acid (PFOA)	86.41		2.00	0.76
375-95-1	Perfluorononanoic acid (PFNA)	84.80		2.00	0.49
335-76-2	Perfluorodecanoic acid (PFDA)	87.12		2.00	0.46
2058-94-8	Perfluoroundecanoic acid (PFUnA)	88.44		2.00	0.55
307-55-1	Perfluorododecanoic acid (PFDoA)	83.73		2.00	0.49
72629-94-8	Perfluorotridecanoic acid (PFTriA)	84.06		2.00	0.48
376-06-7	Perfluorotetradecanoic acid (PFTeA)	74.59		2.00	0.64
375-73-5	Perfluorobutanesulfonic acid (PFBS)	76.20		2.00	0.62
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	76.67		2.00	0.55
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	81.97		2.00	0.41
335-77-3	Perfluorodecanesulfonic acid (PFDS)	71.75		2.00	0.40
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	79.57		2.00	0.85
754-91-6	Perfluorooctanesulfonamide (FOSA)	80.86		2.00	0.92
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	78.77		5.00	1.90
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	80.43		5.00	1.60
27619-97-2	6:2 FTS	84.00		5.00	1.30
39108-34-4	8:2 FTS	79.27		2.00	0.77

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-263208-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 200-182492/2-A
 Matrix: Water Lab File ID: PA220809A07.d
 Analysis Method: 537 (modified) Date Collected: _____
 Extraction Method: 3535 Date Extracted: 08/09/2022 10:37
 Sample wt/vol: 250 (mL) Date Analyzed: 08/09/2022 16:40
 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.: 182508 Units: ng/L

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL01892	13C4 PFHpA	104		50-150
STL00990	13C4 PFOA	102		50-150
STL00995	13C5 PFNA	102		50-150
STL00992	13C4 PFBA	97		50-150
STL00993	13C2 PFHxA	104		50-150
STL00996	13C2 PFDA	106		50-150
STL00997	13C2 PFUnA	102		50-150
STL00994	18O2 PFHxS	102		50-150
STL00998	13C2 PFDoA	91		50-150
STL00991	13C4 PFOS	102		50-150
STL01056	13C8 FOSA	83		50-150
STL01893	13C5 PFPeA	101		50-150
STL02116	13C2 PFTeDA	96		50-150
STL02118	d3-NMeFOSAA	99		50-150
STL02117	d5-NEtFOSAA	90		50-150
STL02279	M2-6:2 FTS	102		50-150
STL02337	13C3 PFBS	101		50-150
STL02280	M2-8:2 FTS	110		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A07.d
 Lims ID: LCS 200-182492/2-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 09-Aug-2022 16:40:21 ALS Bottle#: 4 Worklist Smp#: 7
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: LCS 200-182492/2-A
 Misc. Info.: 200-0052011-007 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 10-Aug-2022 09:53:48 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: CTX1674

First Level Reviewer: khanphomeea

Date: 10-Aug-2022 09:36:57

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	0.601	2137687	1.21		97.0	7865	M
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.076	2.085	-0.009	1.000	3404784	2.05		103	429	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.386	2.386	0.0	0.690	1716257	1.27		101	2937	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.386	2.386	0.0	1.000	3012118	2.13		106	102	M
D 47 13C3 PFBS										
301.90 > 80.00	2.400	2.400	0.0	0.694	1838159	1.17		101	285745	
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.400	2.413	-0.013	1.000	3324991	1.90	Target=2.23	108	1714	
298.90 > 99.00	2.400	2.413	-0.013	1.000	1535429		2.17(1.11-3.34)		1089	
D 60 M2-4:2 FTS										
329.00 > 81.00	2.689	2.701	-0.012	0.778	163861	1.21		104	161	
61 1H,1H,2H,2H-perfluorohexanesulfo										
327.00 > 307.00	2.701	2.701	0.0	1.005	673544	2.02		108	2731	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.737	2.737	0.0	1.004	3203410	2.18	Target=12.24	109	695	M
313.00 > 119.00	2.725	2.737	-0.012	1.000	257158		12.46(6.12-18.36)		338	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.725	2.737	-0.012	0.788	1764341	1.30		104	2775	
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.737	2.750	-0.013	0.883	2945482	2.02	Target=2.95	108	1834	M
349.00 > 99.00	2.737	2.750	-0.013	0.883	992592		2.97(1.48-4.43)		1727	
D 64 13C3 HFPO-DA										M
287.00 > 169.00	2.835	2.847	-0.012	0.820	317763	1.25		99.8	972	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	2.847	0.0	1.004	569453	2.08		104	2440	M
D 11 18O2 PFHxS										M
403.00 > 84.00	3.099	3.110	-0.011	0.897	1328287	1.20		102	1865	M
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.099	3.110	-0.011	1.000	2374570	1.92	Target=3.43	105	1639	M
399.00 > 99.00	3.099	3.110	-0.011	1.000	684911		3.47(1.72-5.15)		702	M
D 9 13C4 PFHpA										M
367.00 > 322.00	3.099	3.110	-0.011	0.897	1833807	1.31		104	1439	M
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.099	3.110	-0.011	1.000	3146734	2.08	Target=3.73	104	874	
363.00 > 169.00	3.099	3.110	-0.011	1.000	857917		3.67(1.86-5.59)		1380	
77 DONA										M
377.00 > 251.00	3.143	3.143	0.0	0.833	6925843	2.01	Target=2.84	107	1930	M
377.00 > 85.00	3.143	3.143	0.0	0.833	2537980		2.73(1.42-4.26)		1447	M
D 12 M2-6:2 FTS										
429.00 > 81.00	3.448	3.455	-0.007	0.997	223956	1.21		102	737	
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.448	3.455	-0.007	1.000	581724	2.10		111	807	M
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.448	3.455	-0.007	0.914	2121769	2.05	Target=4.89	108	2565	M
449.00 > 99.00	3.448	3.455	-0.007	0.914	442198		4.80(2.44-7.33)		1417	M
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.456	3.464	-0.008	1.000	3542542	2.16	Target=2.67	108	406	
413.00 > 169.00	3.456	3.464	-0.008	1.000	1285712		2.76(1.34-4.01)		960	M
D 14 13C4 PFOA										
417.00 > 372.00	3.456	3.464	-0.008	1.000	1827860	1.27		102	2927	
* 62 13C2 PFOA										
415.00 > 370.00	3.456	3.464	-0.008		1888257	1.25			4323	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.773	3.782	-0.009	1.000	1673273	1.99	Target=4.88	107	1119	M
499.00 > 99.00	3.773	3.782	-0.009	1.000	358696		4.66(2.44-7.32)		857	M
D 18 13C4 PFOS										M
503.00 > 80.00	3.773	3.782	-0.009	1.092	1001027	1.21		102	1508	M
20 Perfluorononanoic acid										
463.00 > 419.00	3.792	3.801	-0.009	1.000	3302852	2.12	Target=8.23	106	1064	
463.00 > 169.00	3.792	3.801	-0.009	1.000	427260		7.73(4.11-12.34)		2371	
D 19 13C5 PFNA										
468.00 > 423.00	3.792	3.801	-0.009	1.097	1913876	1.28		102	3568	
69 9-Chlorohexadecafluoro-3-oxanona										M
531.00 > 351.00	3.940	3.951	-0.011	1.044	2978463	2.01		108	4619	M
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.071	4.081	-0.010	1.079	1346656	2.05	Target=2.53	107	3259	
549.00 > 99.00	4.071	4.081	-0.010	1.079	536563		2.51(1.26-3.79)		1921	
D 23 13C2 PFDA										M
515.00 > 470.00	4.093	4.104	-0.011	1.184	1918982	1.32		106	1713	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	4.093	4.104	-0.011	1.000	3516548	2.18	Target=9.67	109	1905	
513.00 > 169.00	4.093	4.104	-0.011	1.000	352825		9.97(4.83-14.50)		1223	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.104	4.115	-0.011	1.187	291988	1.31		110	1002	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.104	4.115	-0.011	1.000	466605	1.98		103	963	M
D 21 13C8 FOSA										
506.00 > 78.00	4.161	4.161	0.0	1.204	1315139	1.03		82.7	2235	
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.161	4.173	-0.012	1.000	2167159	2.02		101	1717	M
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.238	4.249	-0.011	1.226	242350	1.24		99.5	452	M
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.249	4.249	0.0	1.003	339082	1.97		98.5	526	M
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.342	4.342	0.0	1.151	875516	1.79	Target=2.80	93.0	2512	
599.00 > 99.00	4.342	4.342	0.0	1.151	339472		2.58(1.40-4.20)		1437	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.365	4.376	-0.011	1.263	1400517	1.27		102	2784	
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.365	4.376	-0.011	1.000	2624522	2.21	Target=9.07	111	1541	M
563.00 > 169.00	4.365	4.376	-0.011	1.000	292131		8.98(4.54-13.61)		833	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.376	4.387	-0.011	1.266	206751	1.12		89.7	999	
33 N-ethylperfluorooctanesulfonamid										
584.00 > 419.00	4.376	4.387	-0.011	1.000	301950	2.01		101	864	M
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.465	4.478	-0.013	1.183	3289032	1.71		90.6	2361	M
D 36 13C2 PFDaA										
615.00 > 570.00	4.601	4.612	-0.011	1.331	1305077	1.14		91.5	1456	M
37 Perfluorododecanoic acid										
613.00 > 569.00	4.601	4.612	-0.011	1.000	2216380	2.09	Target=6.97	105	275	
613.00 > 169.00	4.601	4.612	-0.011	1.000	338902		6.54(3.48-10.45)		1239	M
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.622	4.633	-0.011	1.126	195691	1.78		92.3	1686	
75 Perfluorododecanesulfonic acid (										
699.00 > 80.00	4.785	4.794	-0.009	1.268	332478	1.53	Target=0.52	79.2	1825	
699.00 > 99.00	4.785	4.794	-0.009	1.268	640997		0.52(0.26-0.79)		1830	M
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.824	4.837	-0.013	1.048	1928836	2.10	Target=4.56	105	292	M
663.00 > 169.00	4.824	4.837	-0.013	1.048	419303		4.60(2.28-6.84)		1402	
D 43 13C2 PFTeDA										
715.00 > 670.00	5.021	5.032	-0.011	1.453	1123335	1.20		96.3	2253	M
42 Perfluorotetradecanoic acid										
713.00 > 169.00	5.021	5.032	-0.011	1.000	268478	1.86	Target=0.94	93.2	1408	M
713.00 > 219.00	5.011	5.032	-0.021	0.998	288219		0.93(0.47-1.41)		735	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	5.377	5.389	-0.012	1.000	1882281	1.97	Target=4.38	98.3	441	
813.00 > 169.00	5.377	5.389	-0.012	1.000	433215		4.34(2.19-6.57)		1721	M
D 44 13C2 PFHxDA										
815.00 > 770.00	5.377	5.389	-0.012	1.556	1325091	1.25		99.7	4064	
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.722	5.740	-0.018	1.064	1587407	2.25	Target=4.31	113	348	M
913.00 > 169.00	5.722	5.740	-0.018	1.064	363202		4.37(2.16-6.47)		872	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A07.d

Injection Date: 09-Aug-2022 16:40:21

Instrument ID: LC812

Lims ID: LCS 200-182492/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#: 4

Worklist Smp#: 7

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

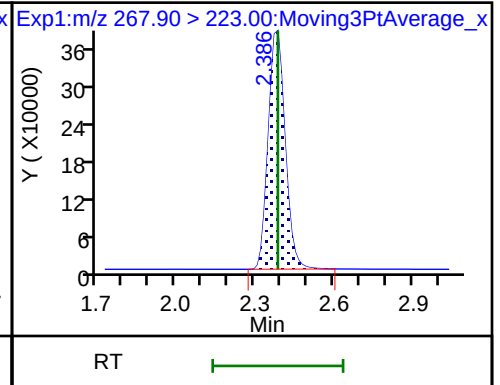
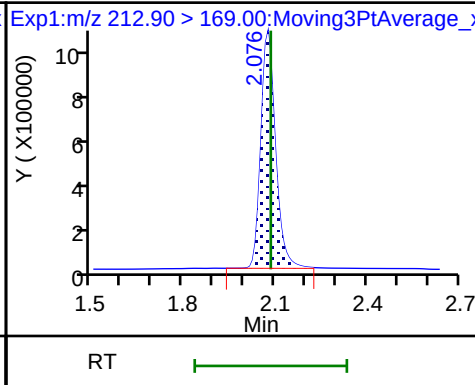
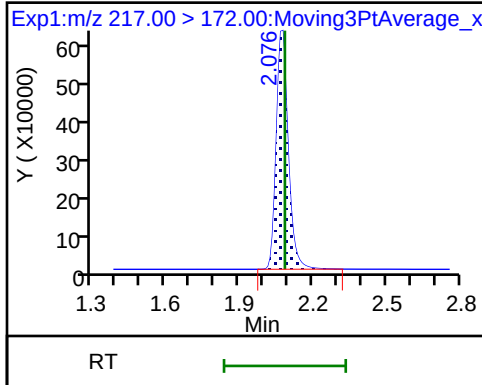
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA (M)

2 Perfluorobutanoic acid (M)

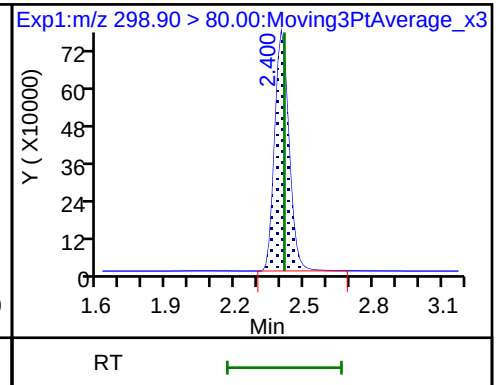
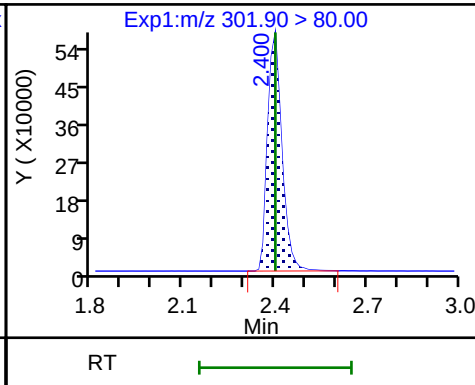
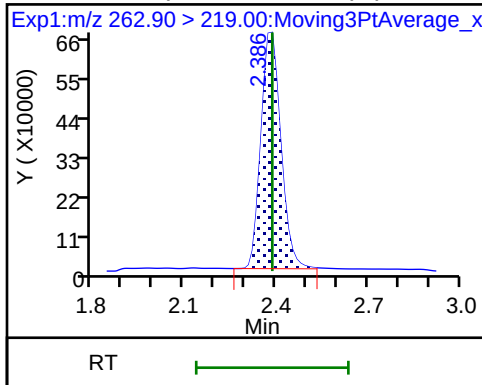
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

D 47 13C3 PFBS

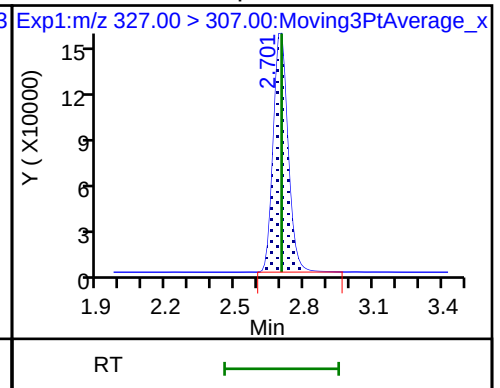
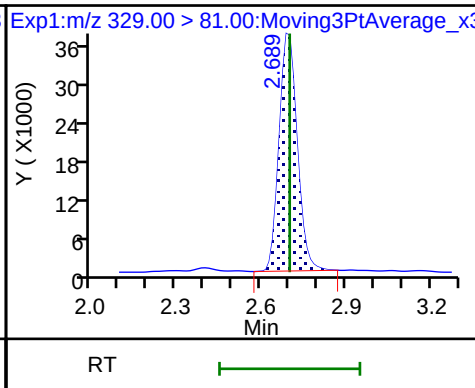
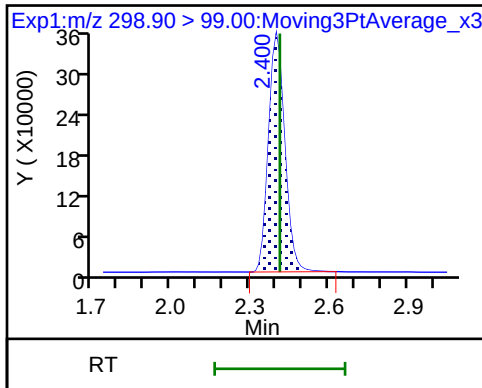
5 Perfluorobutanesulfonic acid



5 Perfluorobutanesulfonic acid

D 60 M2-4:2 FTS

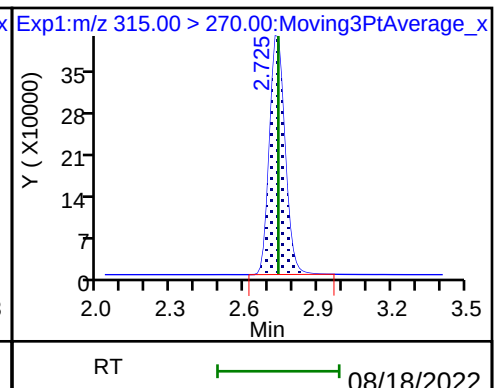
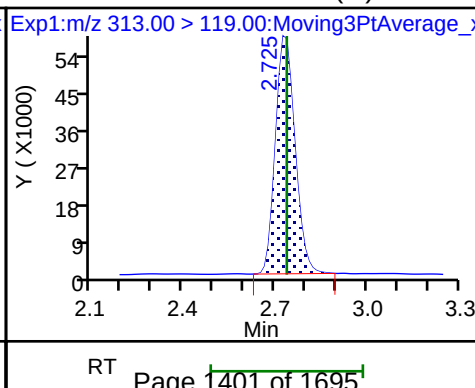
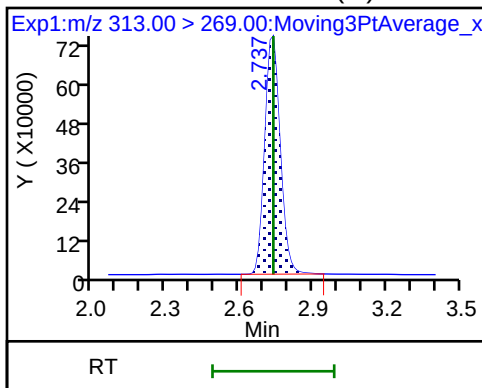
61 1H,1H,2H,2H-perfluorohexanesulfo

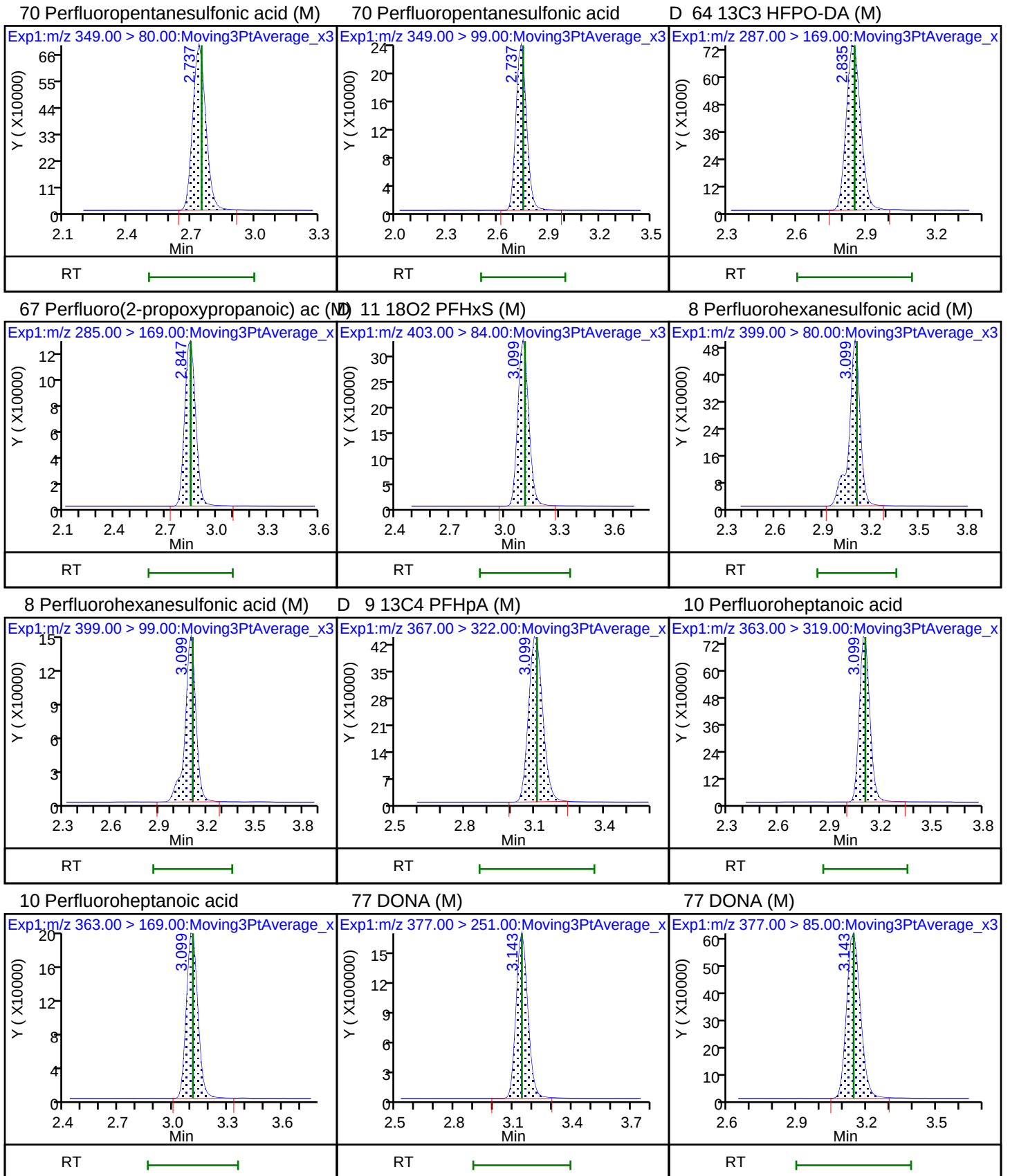


6 Perfluorohexanoic acid (M)

6 Perfluorohexanoic acid (M)

D 7 13C2 PFHxA

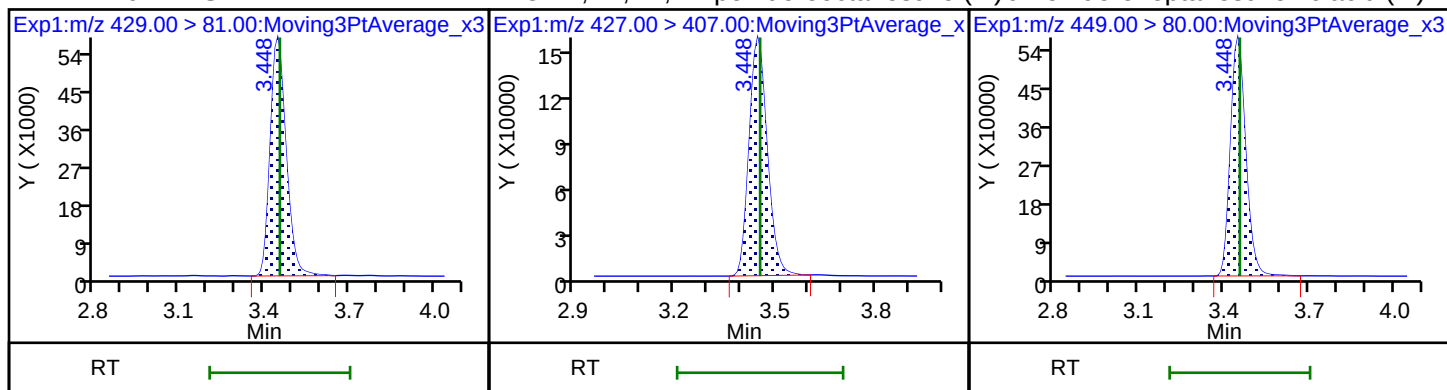




D 12 M2-6:2 FTS

13 1H,1H,2H,2H-perfluorooctanesulfo (M)

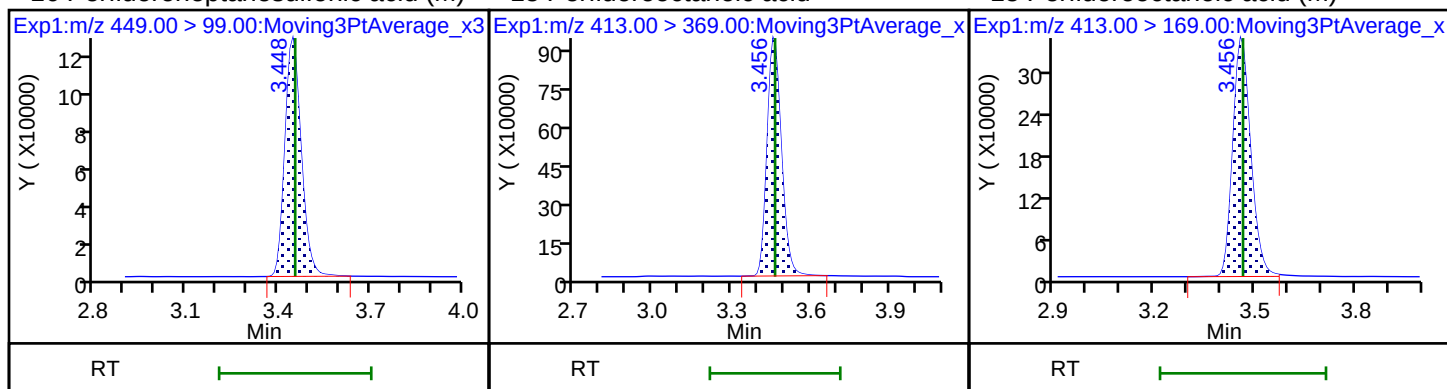
16 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M)

15 Perfluorooctanoic acid

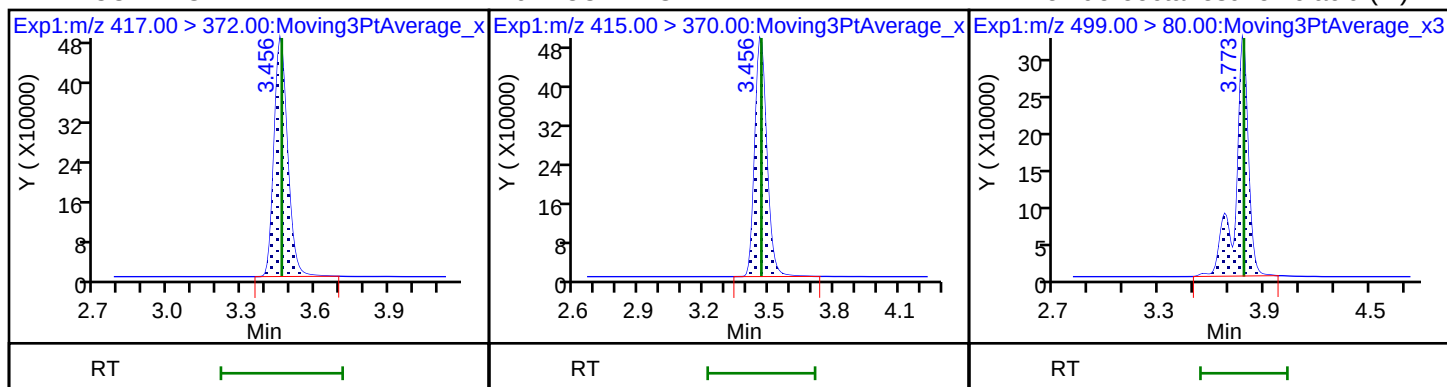
15 Perfluorooctanoic acid (M)



D 14 13C4 PFOA

* 62 13C2 PFOA

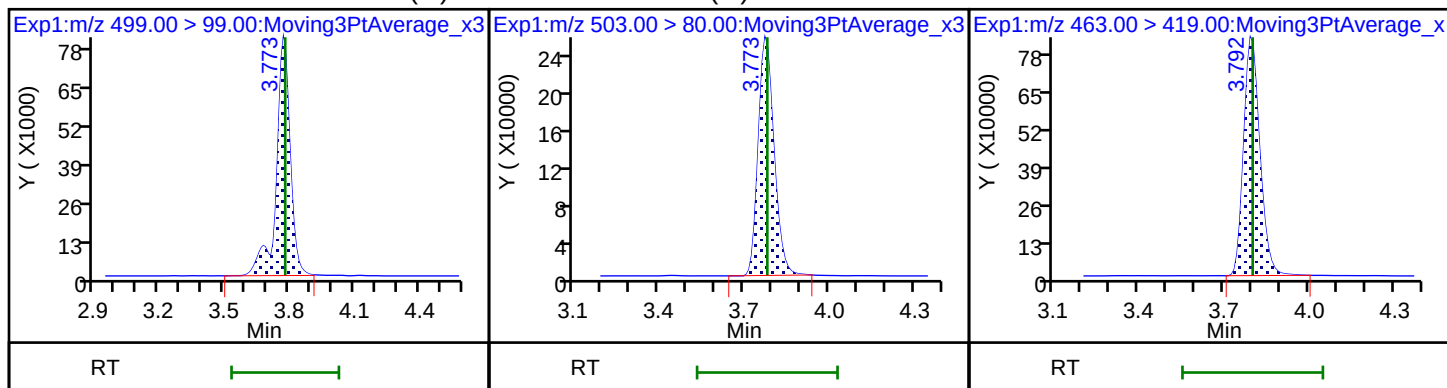
17 Perfluorooctanesulfonic acid (M)

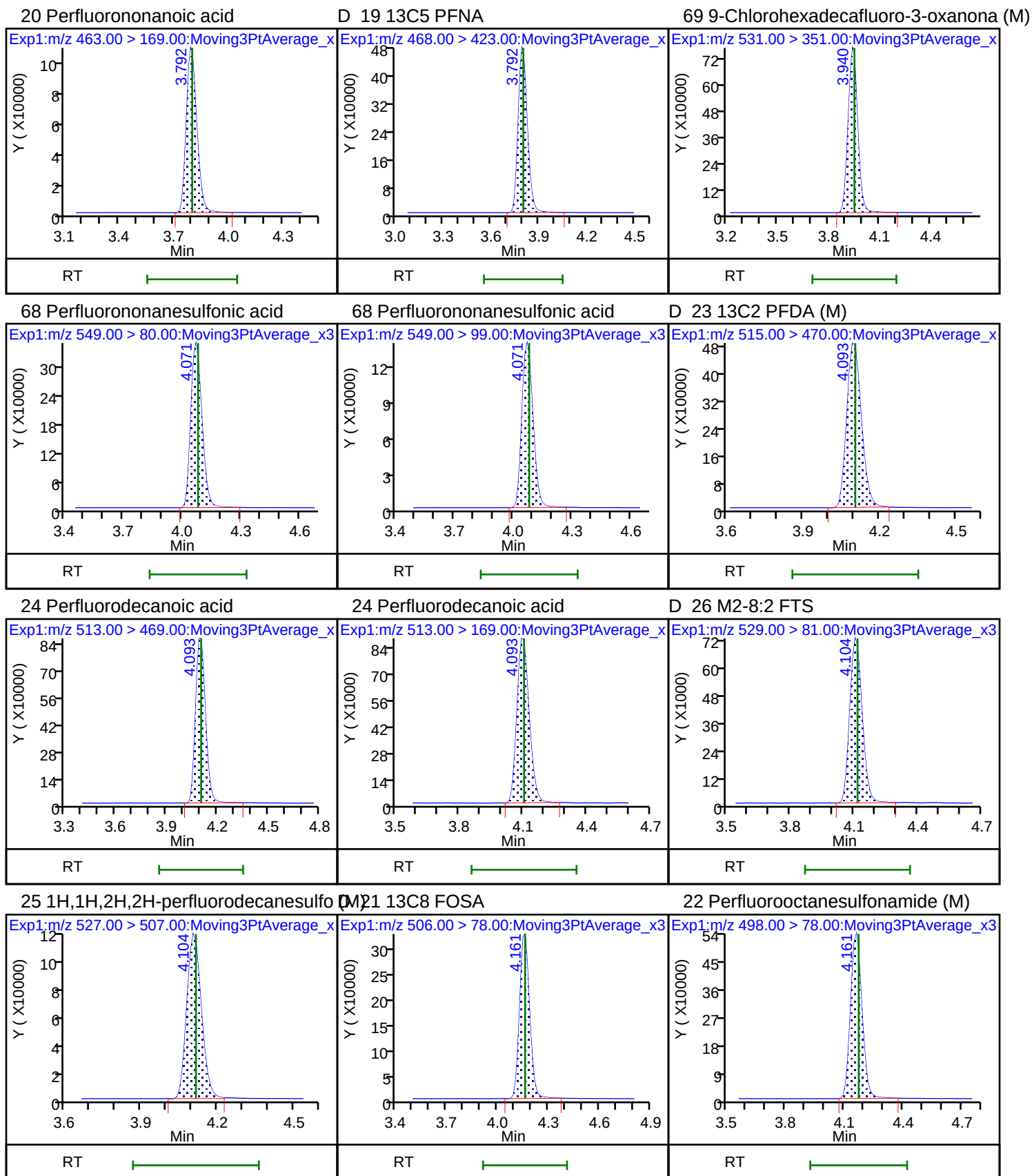


17 Perfluorooctanesulfonic acid (M)

D 18 13C4 PFOS (M)

20 Perfluorononanoic acid

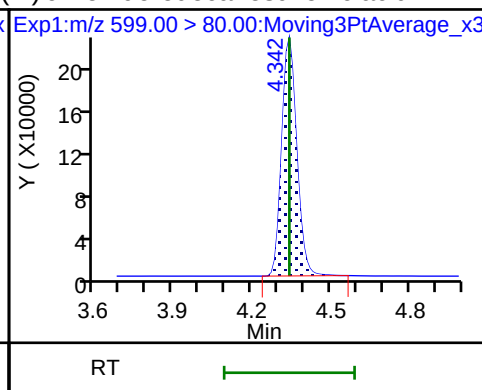
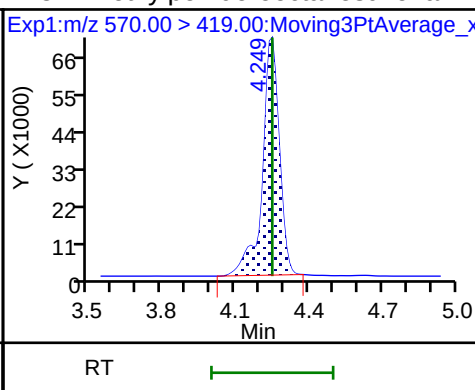
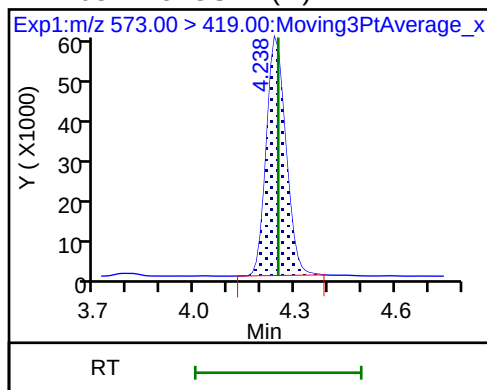




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami (M)

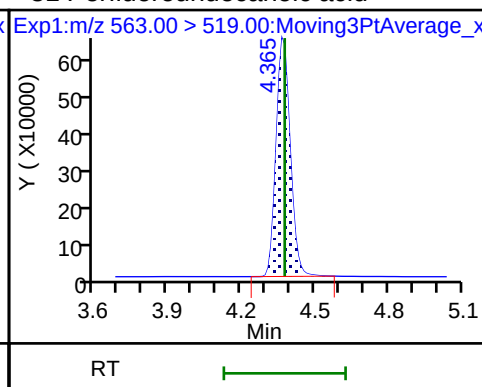
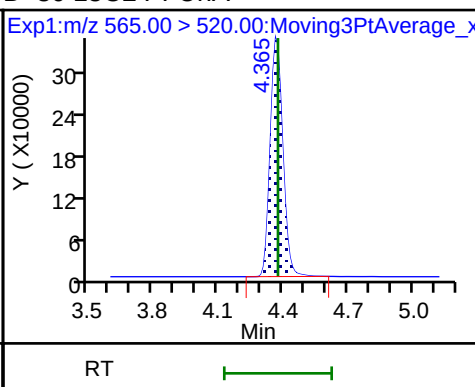
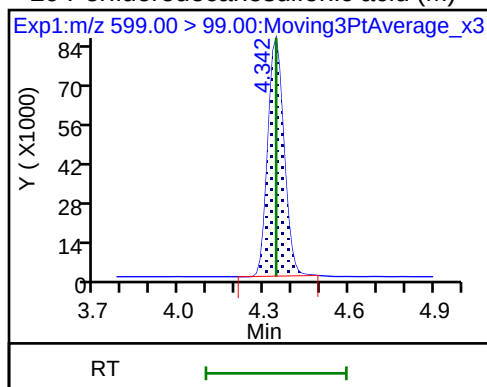
29 Perfluorodecanesulfonic acid



29 Perfluorodecanesulfonic acid (M)

D 30 13C2 PFUnA

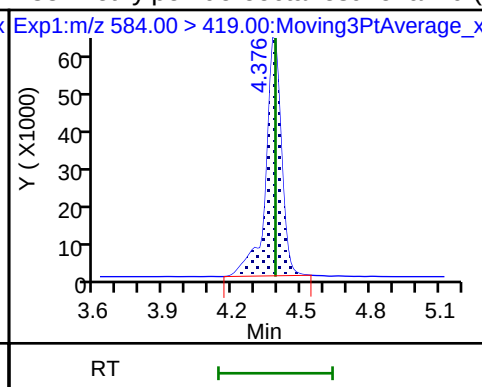
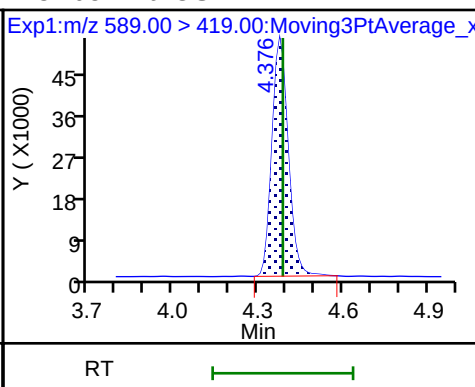
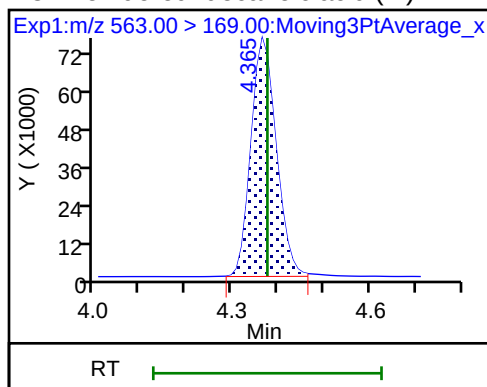
31 Perfluoroundecanoic acid



31 Perfluoroundecanoic acid (M)

D 32 d5-NEtFOSAA

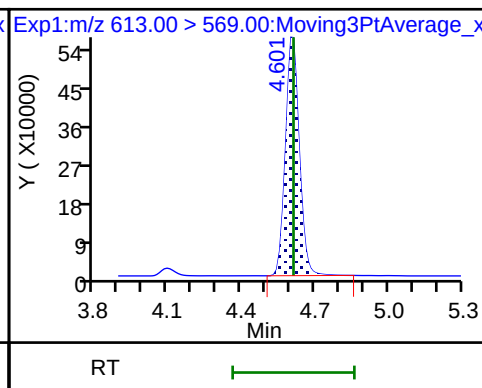
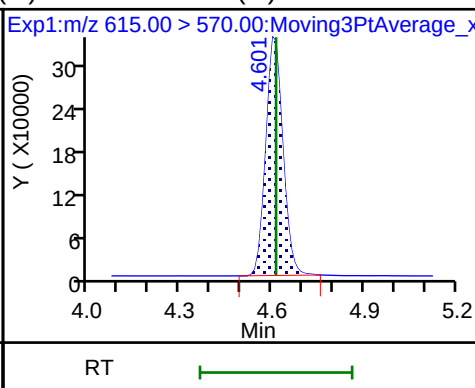
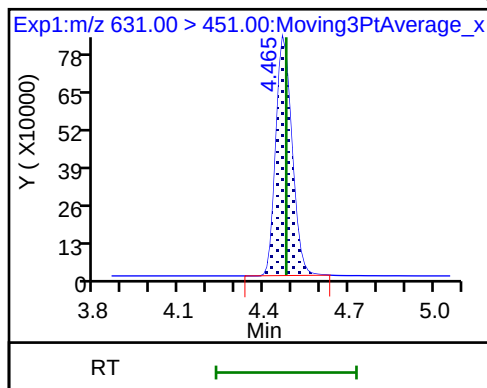
33 N-ethylperfluorooctanesulfonamid (M)



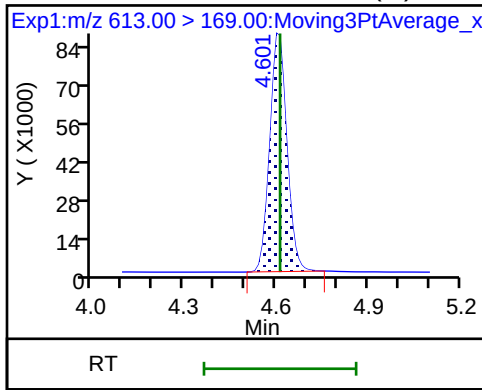
66 11-Chloroeicosafluoro-3-oxaundec (M)

36 13C2 PFDa (M)

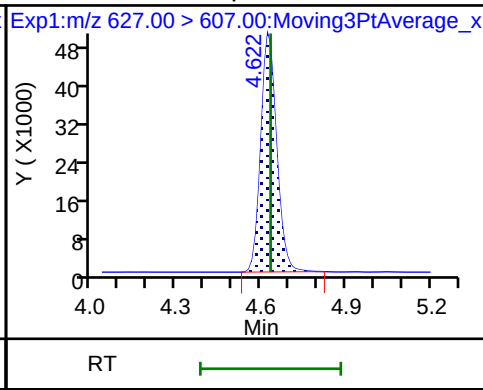
37 Perfluorododecanoic acid



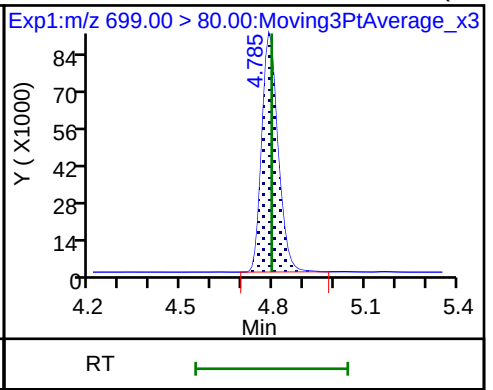
37 Perfluorododecanoic acid (M)



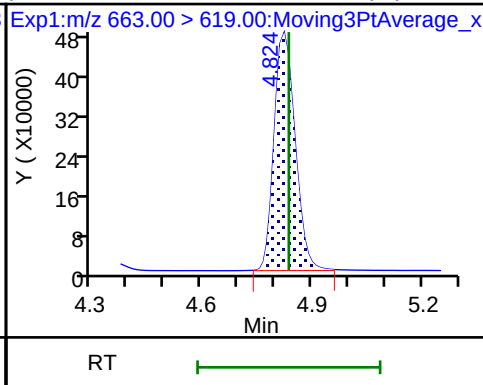
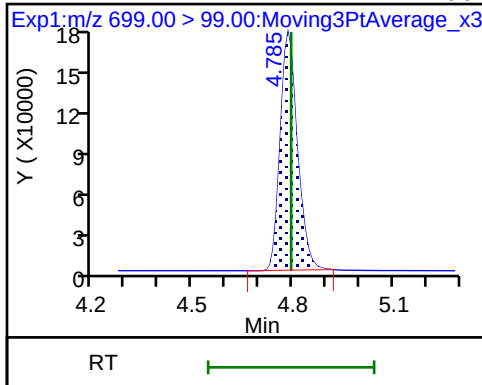
74 1H,1H,2H,2H-perfluorododecanesul



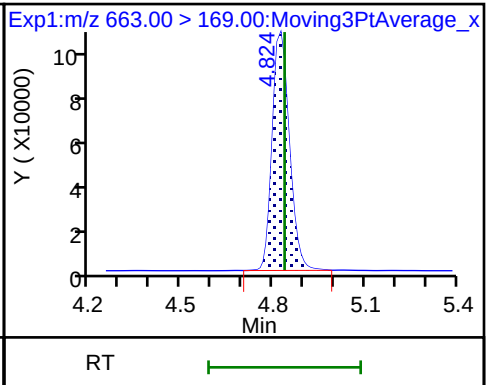
75 Perfluorododecanesulfonic acid (



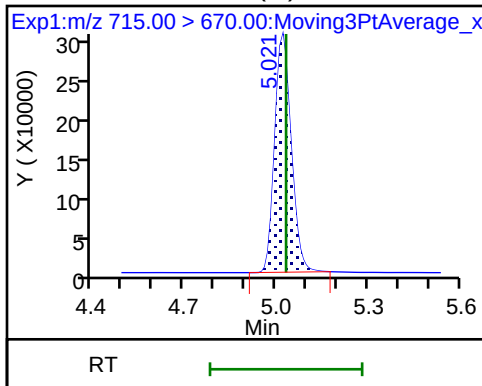
75 Perfluorododecanesulfonic acid ((M) 41 Perfluorotridecanoic acid (M)



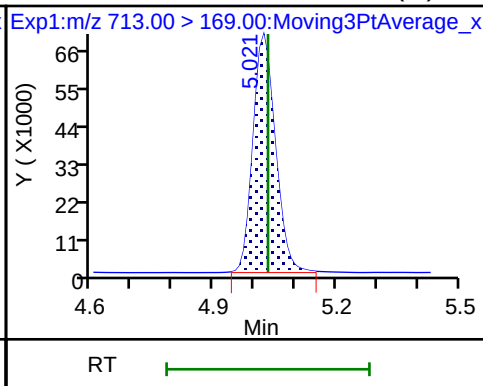
41 Perfluorotridecanoic acid



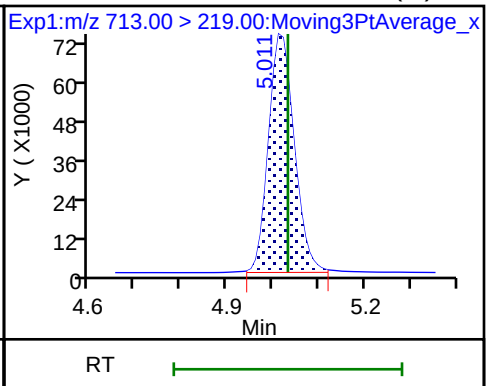
D 43 13C2 PFTeDA (M)



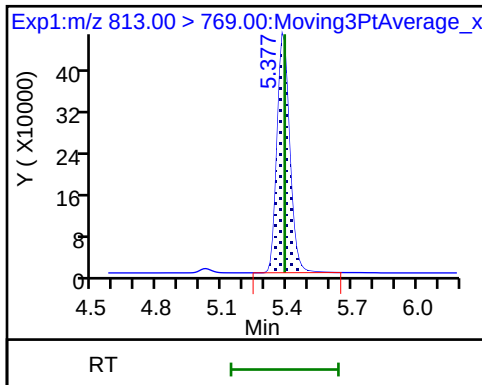
42 Perfluorotetradecanoic acid (M)



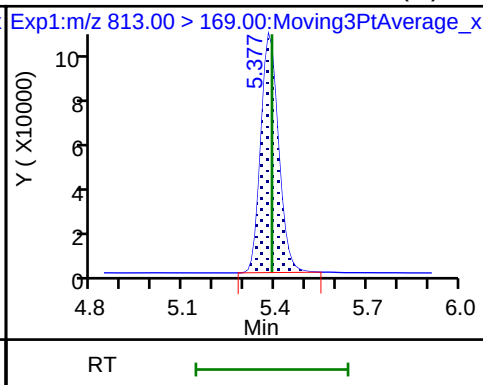
42 Perfluorotetradecanoic acid (M)



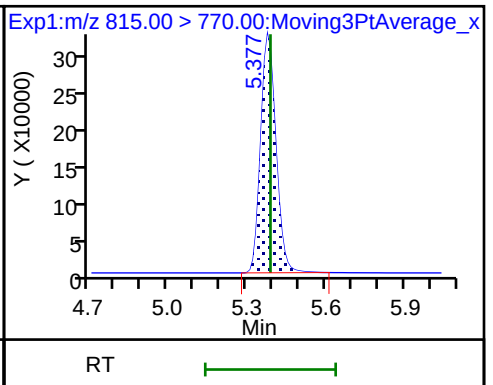
45 Perfluorohexadecanoic acid



45 Perfluorohexadecanoic acid (M)

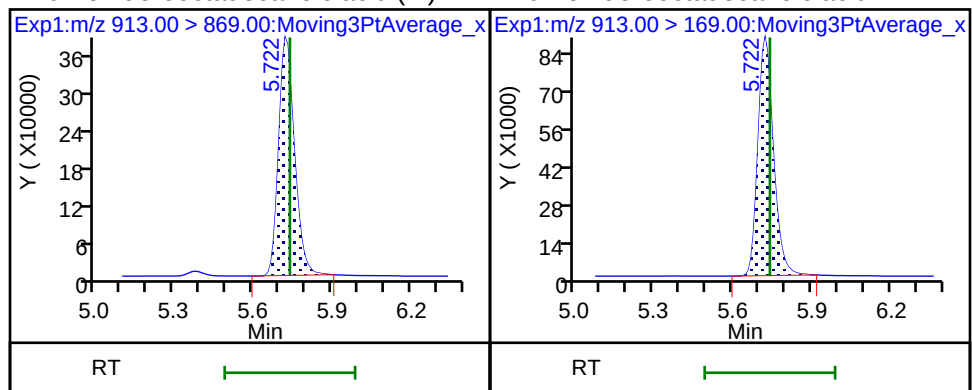


D 44 13C2 PFHxDA



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A07.d

Injection Date: 09-Aug-2022 16:40:21

Instrument ID: LC812

Lims ID: LCS 200-182492/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

4

Worklist Smp#: 7

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

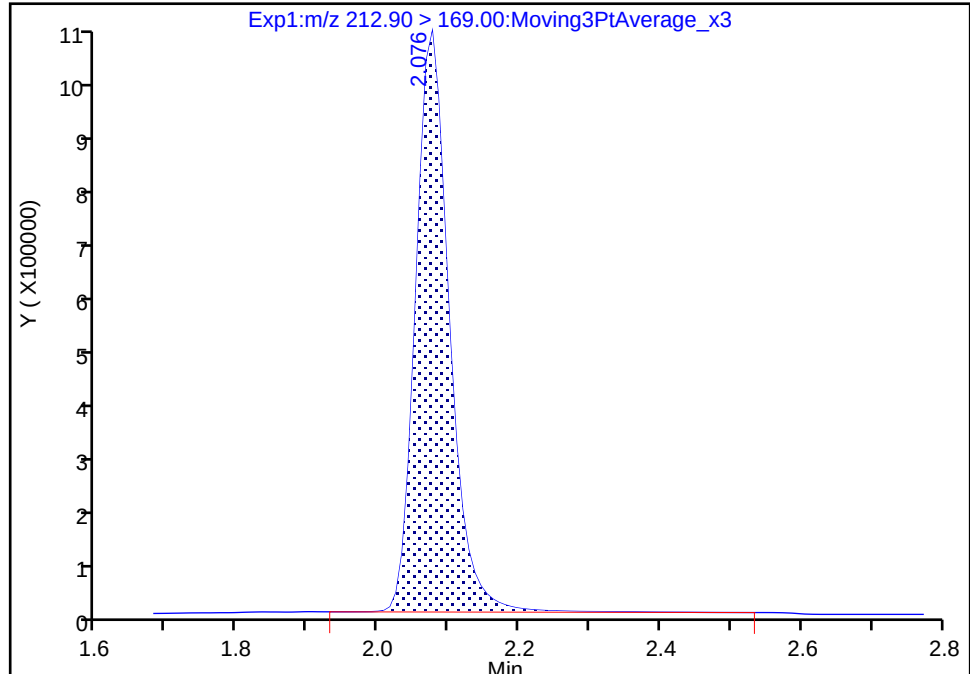
EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

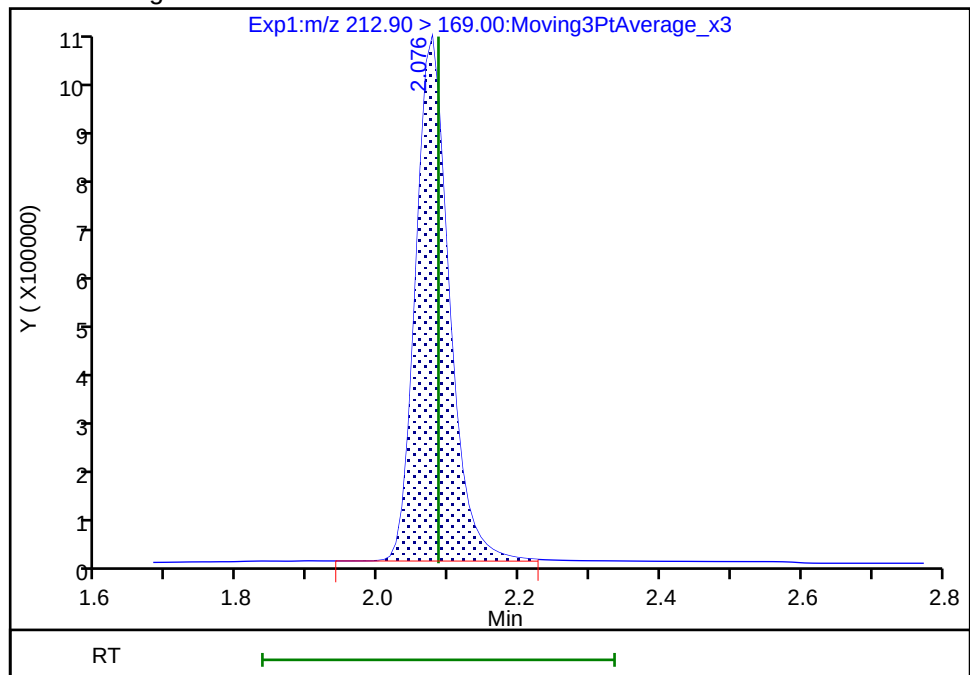
RT: 2.08
Area: 3421592
Amount: 2.059753
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 3404784
Amount: 2.053158
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:31:12

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A07.d

Injection Date: 09-Aug-2022 16:40:21

Instrument ID: LC812

Lims ID: LCS 200-182492/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

4

Worklist Smp#: 7

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

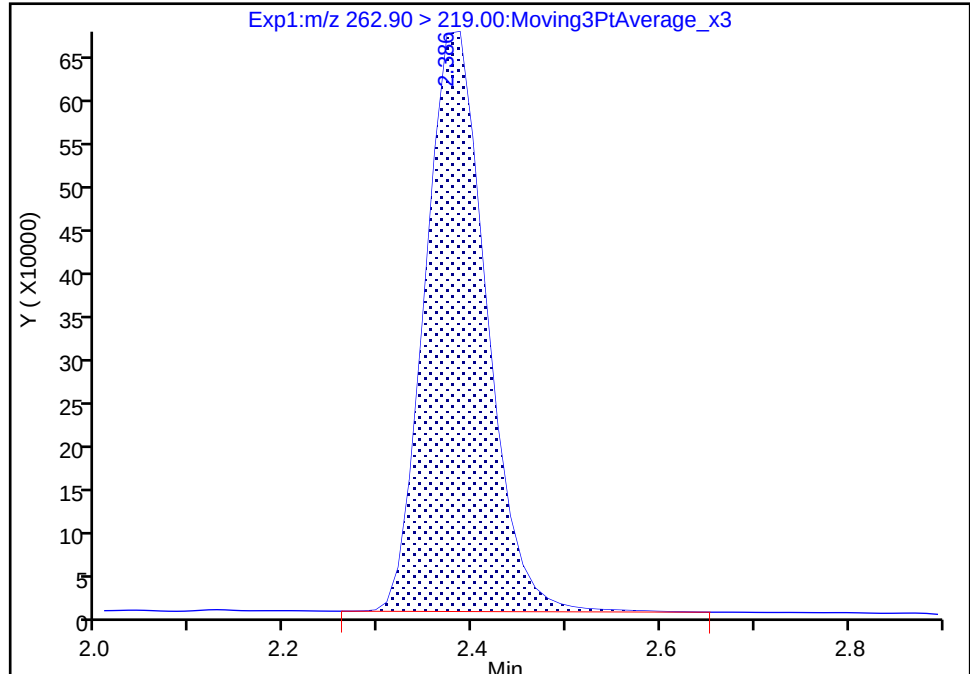
EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

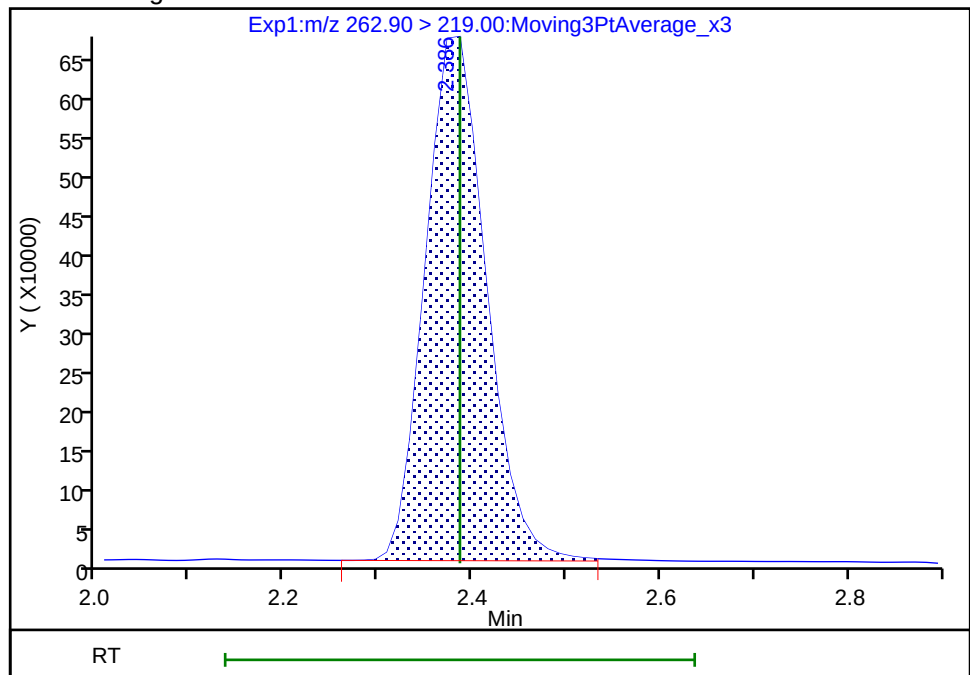
RT: 2.39
Area: 3019562
Amount: 2.133237
Amount Units: ng/ml

Processing Integration Results



RT: 2.39
Area: 3012118
Amount: 2.127978
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:31:18

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A07.d

Injection Date: 09-Aug-2022 16:40:21

Instrument ID: LC812

Lims ID: LCS 200-182492/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

4

Worklist Smp#: 7

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

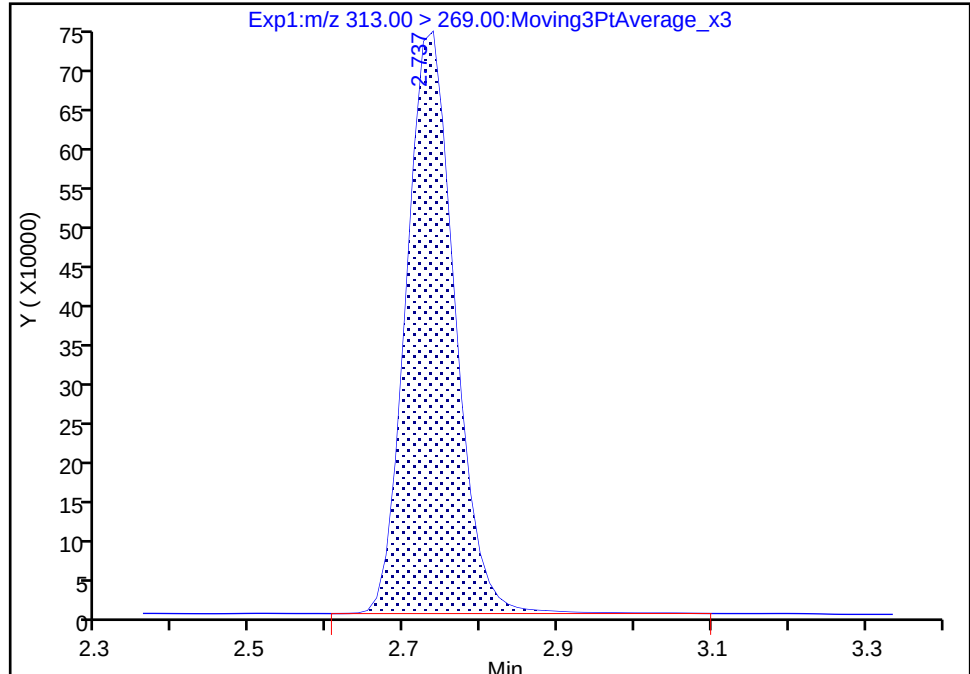
Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

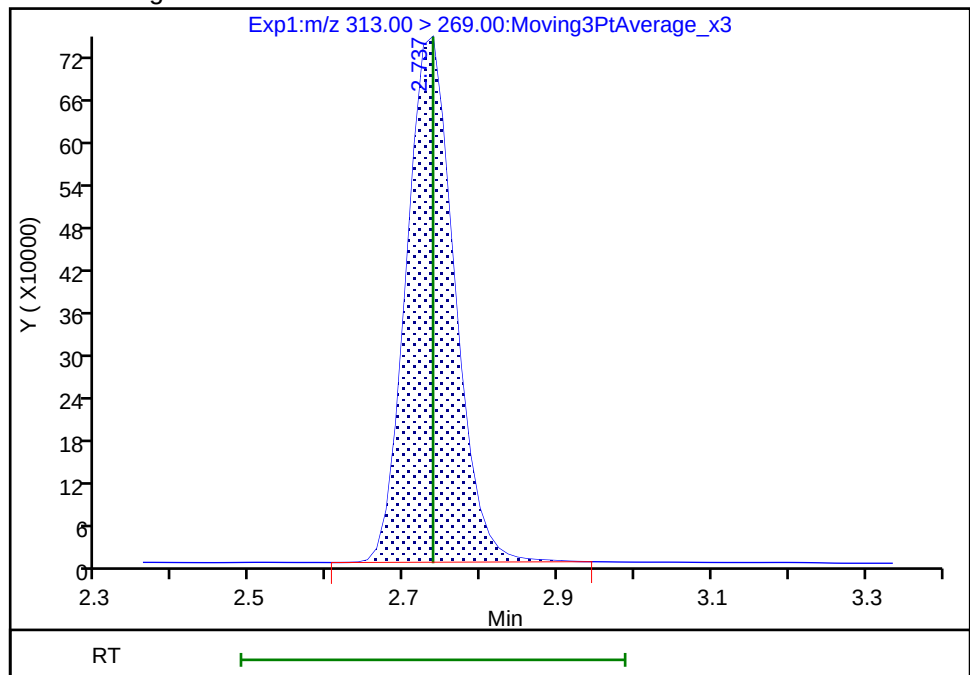
RT: 2.74
Area: 3219487
Amount: 2.185943
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 3203410
Amount: 2.175027
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:31:33

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

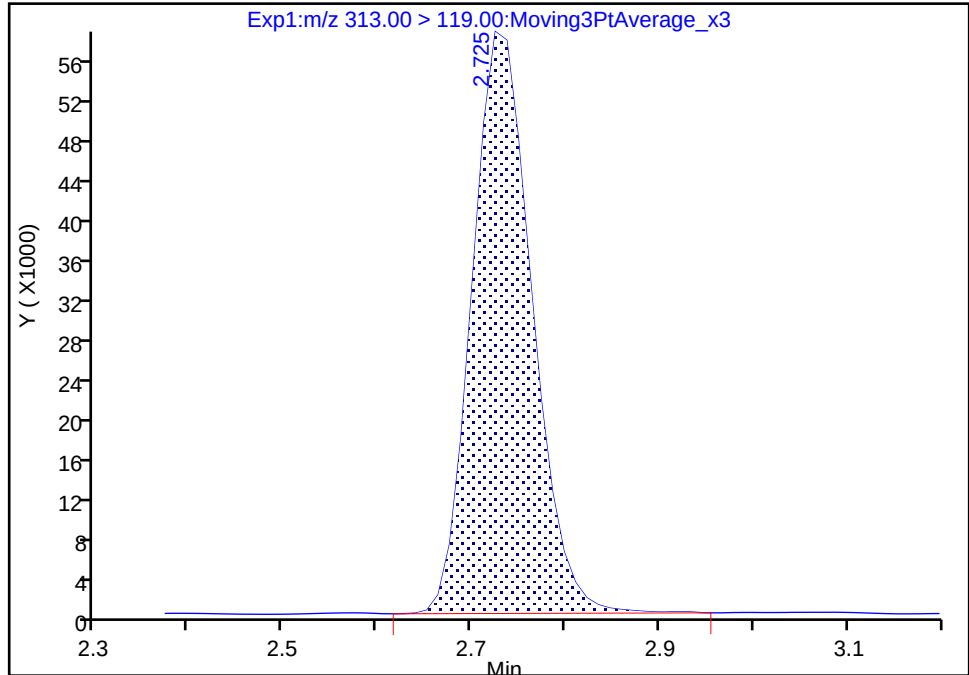
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A07.d
Injection Date: 09-Aug-2022 16:40:21 Instrument ID: LC812
Lims ID: LCS 200-182492/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

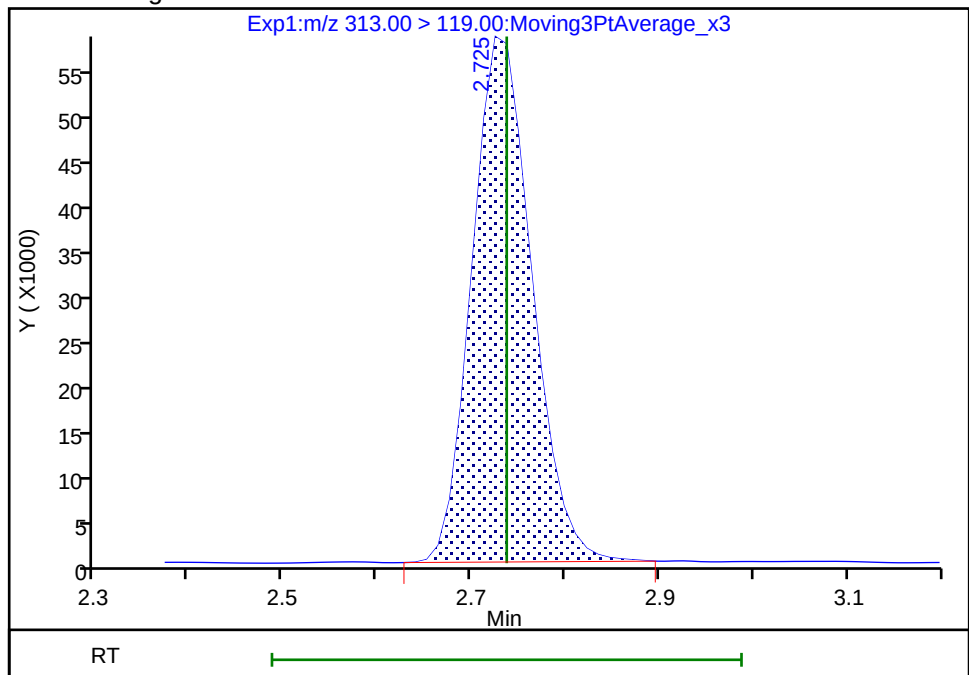
RT: 2.73
Area: 258309
Amount: 2.185943
Amount Units: ng/ml

Processing Integration Results



RT: 2.73
Area: 257158
Amount: 2.175027
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:31:37

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A07.d

Injection Date: 09-Aug-2022 16:40:21

Instrument ID: LC812

Lims ID: LCS 200-182492/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

4

Worklist Smp#: 7

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

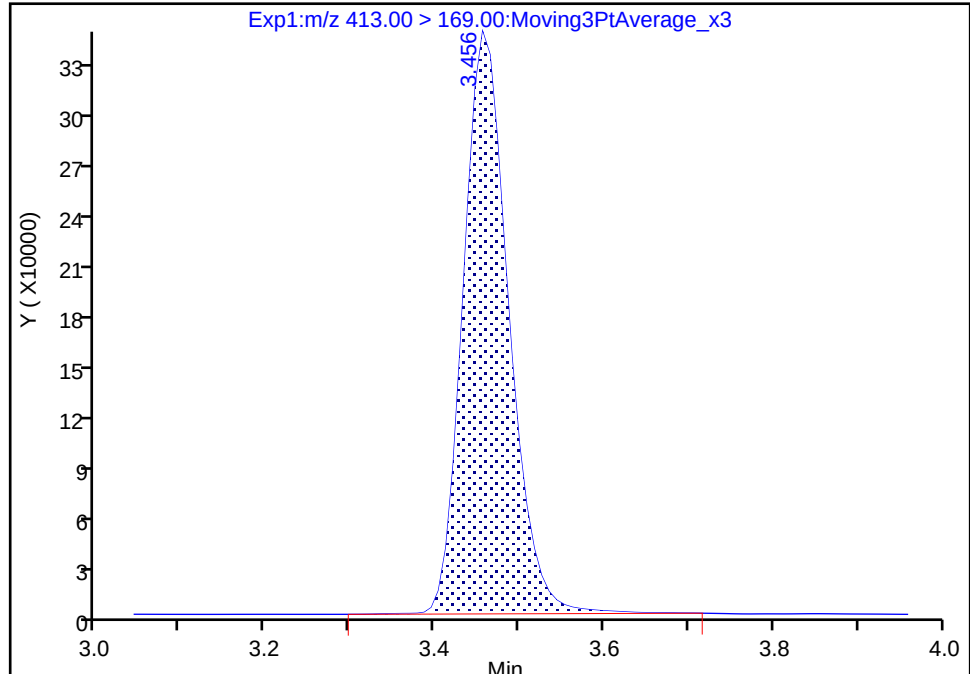
Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

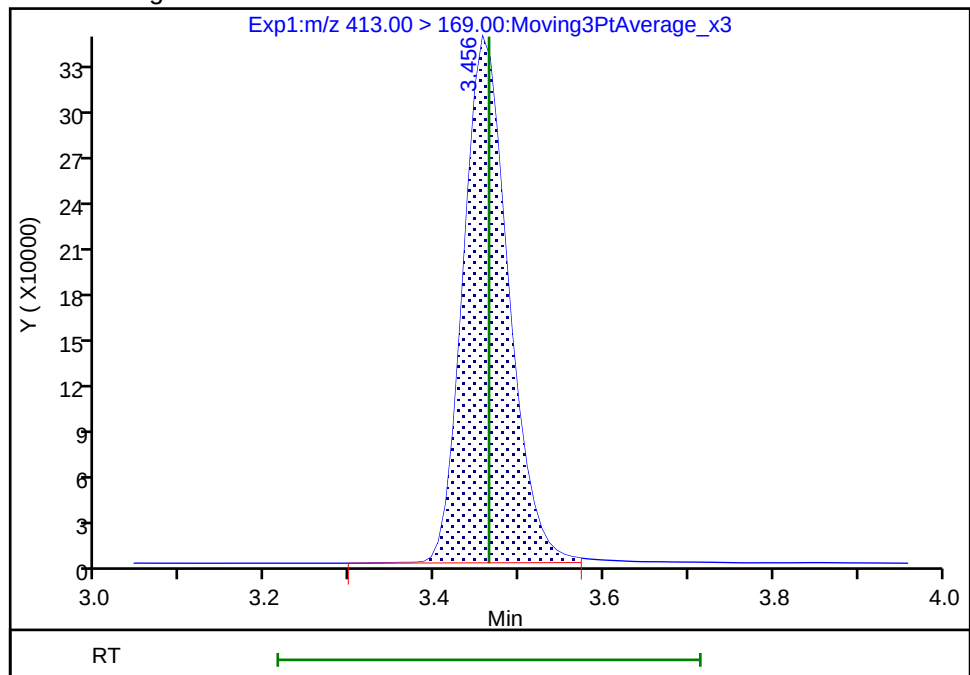
RT: 3.46
Area: 1292871
Amount: 2.160340
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 1285712
Amount: 2.160340
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:33:23

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

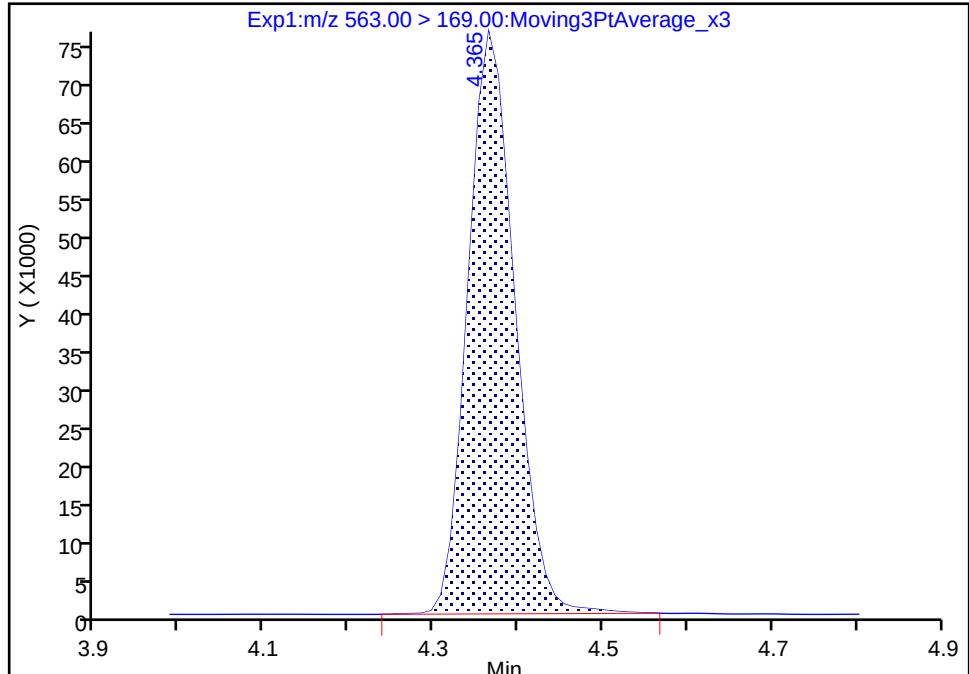
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A07.d
Injection Date: 09-Aug-2022 16:40:21 Instrument ID: LC812
Lims ID: LCS 200-182492/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

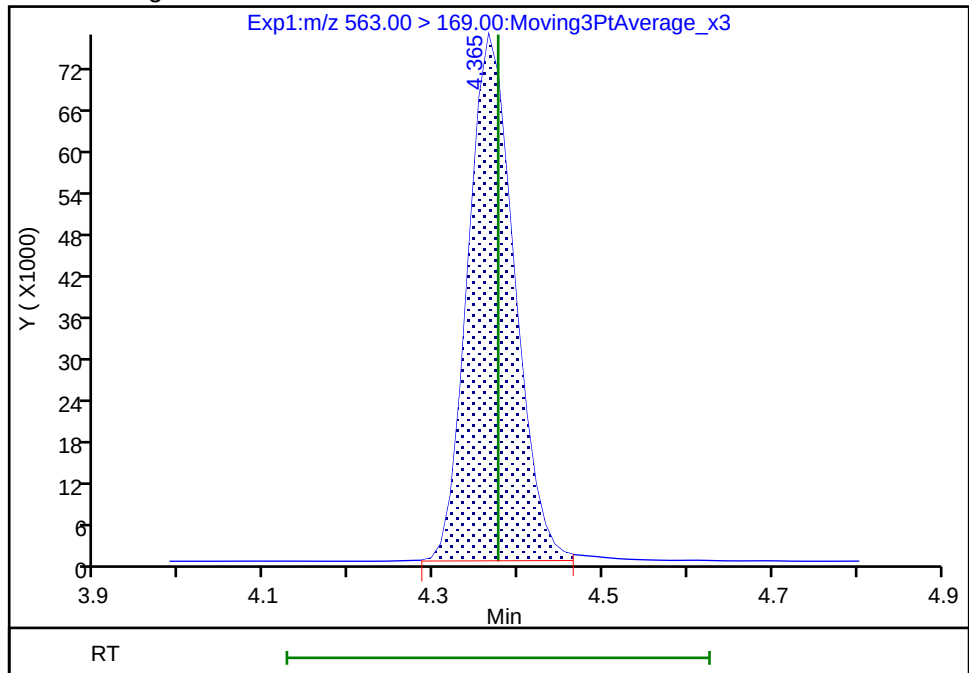
RT: 4.36
Area: 294346
Amount: 2.211038
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 292131
Amount: 2.211038
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:35:08

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

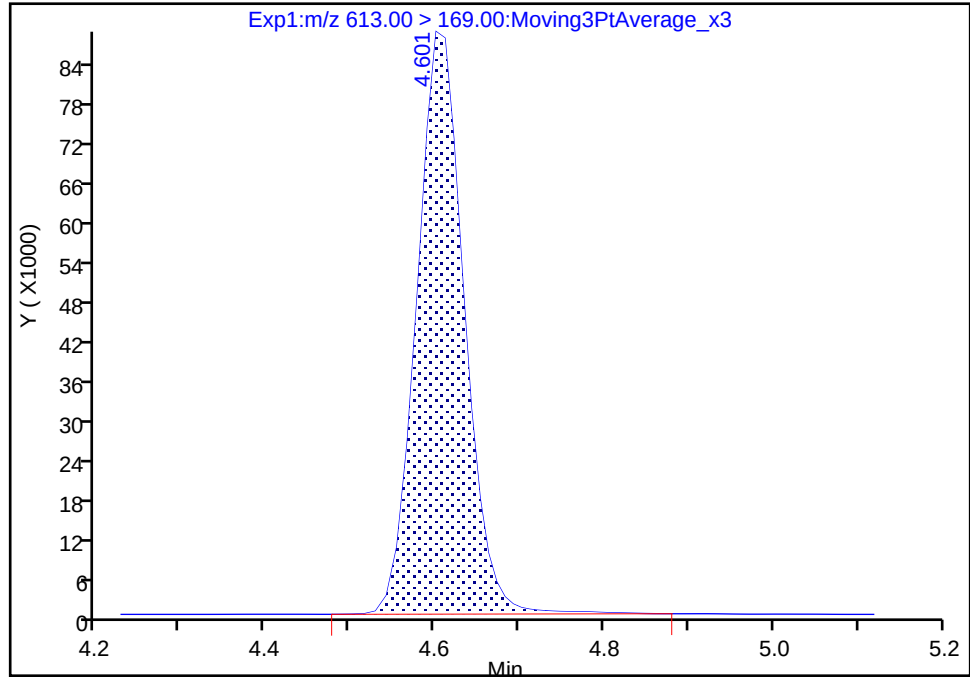
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A07.d
Injection Date: 09-Aug-2022 16:40:21 Instrument ID: LC812
Lims ID: LCS 200-182492/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

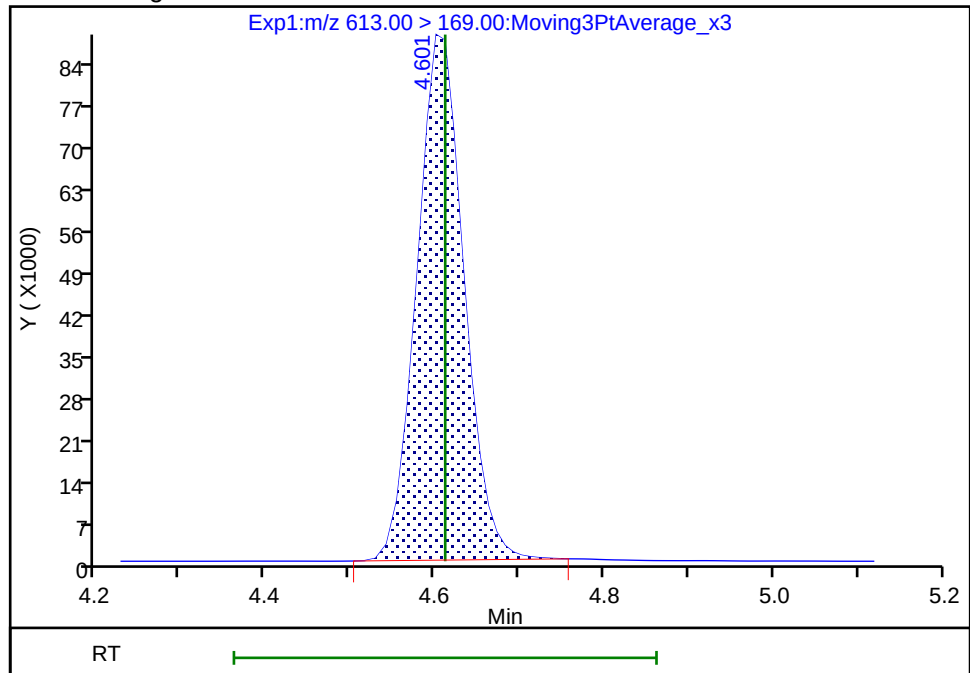
RT: 4.60
Area: 342751
Amount: 2.072739
Amount Units: ng/ml

Processing Integration Results



RT: 4.60
Area: 338902
Amount: 2.093262
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:35:49

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A07.d

Injection Date: 09-Aug-2022 16:40:21

Instrument ID: LC812

Lims ID: LCS 200-182492/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

4

Worklist Smp#: 7

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

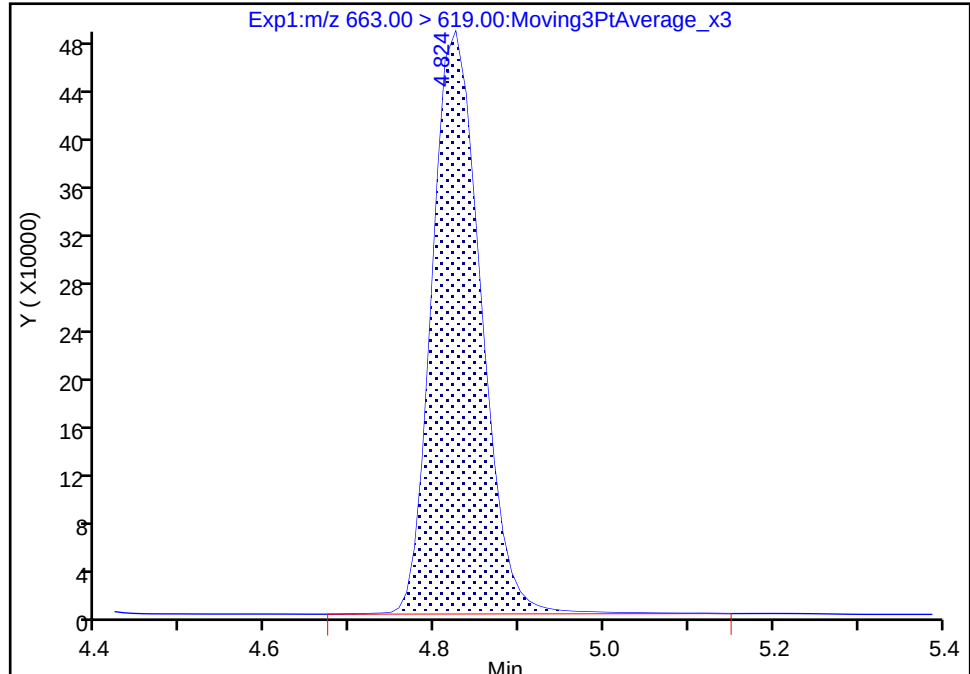
EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

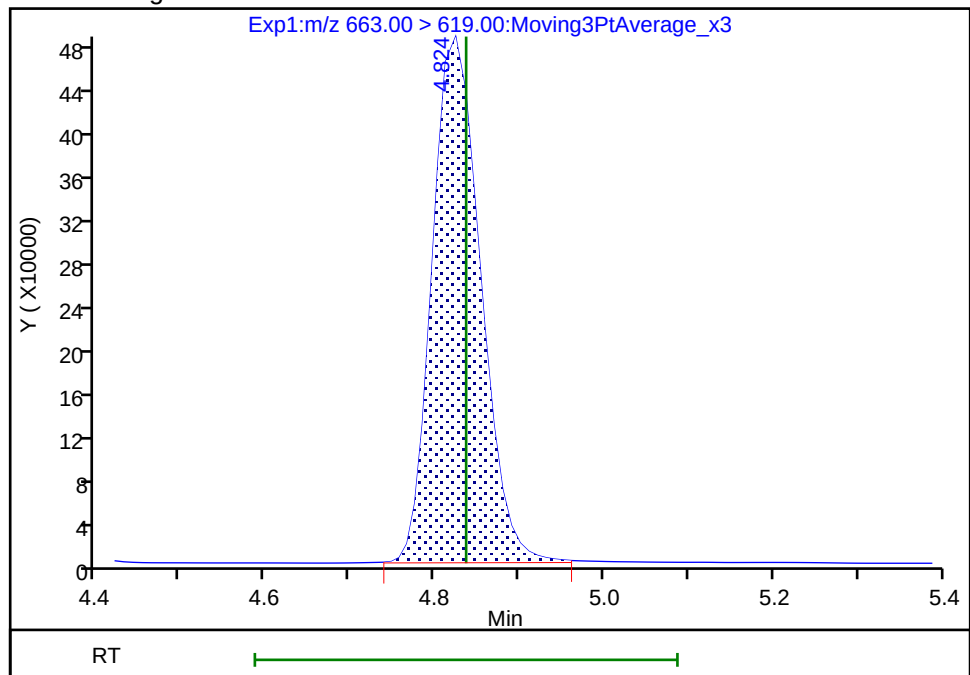
RT: 4.82
Area: 1939111
Amount: 2.091949
Amount Units: ng/ml

Processing Integration Results



RT: 4.82
Area: 1928836
Amount: 2.101467
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:36:13

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A07.d

Injection Date: 09-Aug-2022 16:40:21

Instrument ID: LC812

Lims ID: LCS 200-182492/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

4

Worklist Smp#: 7

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

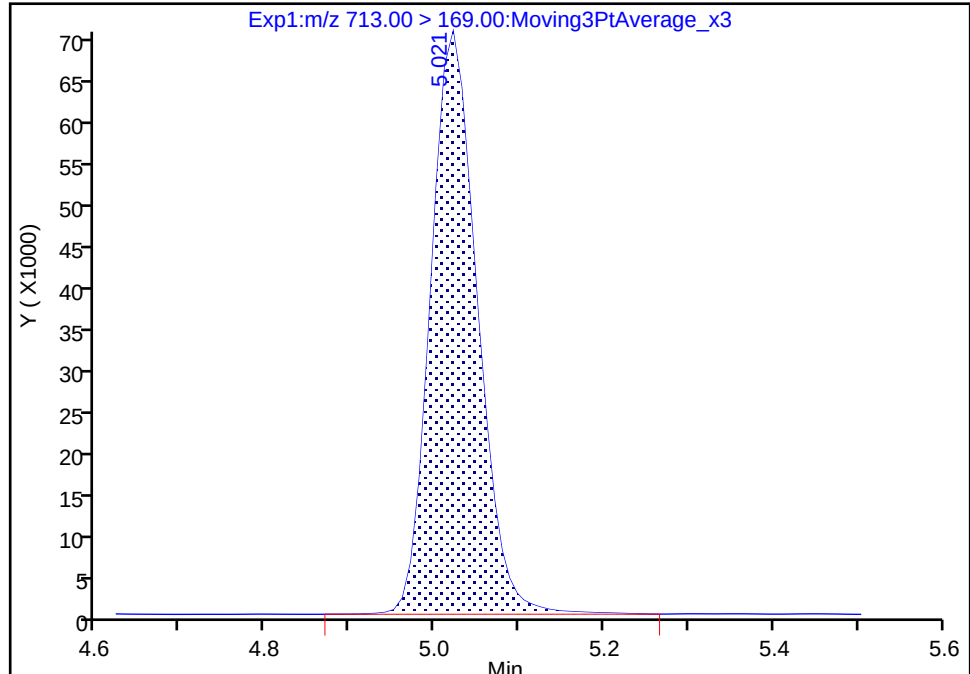
Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

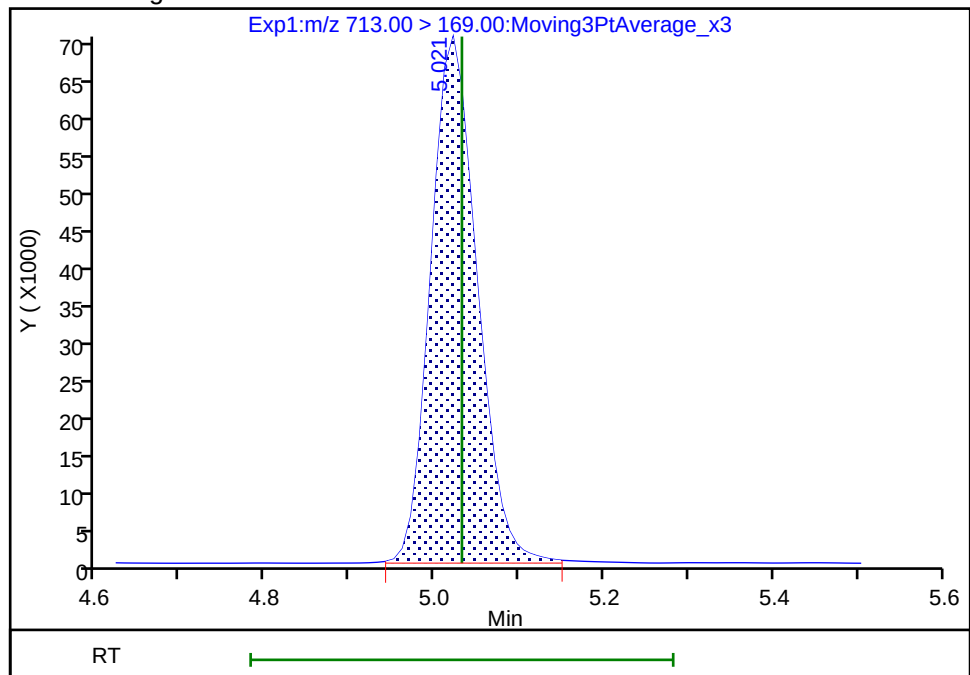
RT: 5.02
Area: 269621
Amount: 1.849948
Amount Units: ng/ml

Processing Integration Results



RT: 5.02
Area: 268478
Amount: 1.864732
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:36:29

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A07.d

Injection Date: 09-Aug-2022 16:40:21

Instrument ID: LC812

Lims ID: LCS 200-182492/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

4

Worklist Smp#: 7

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

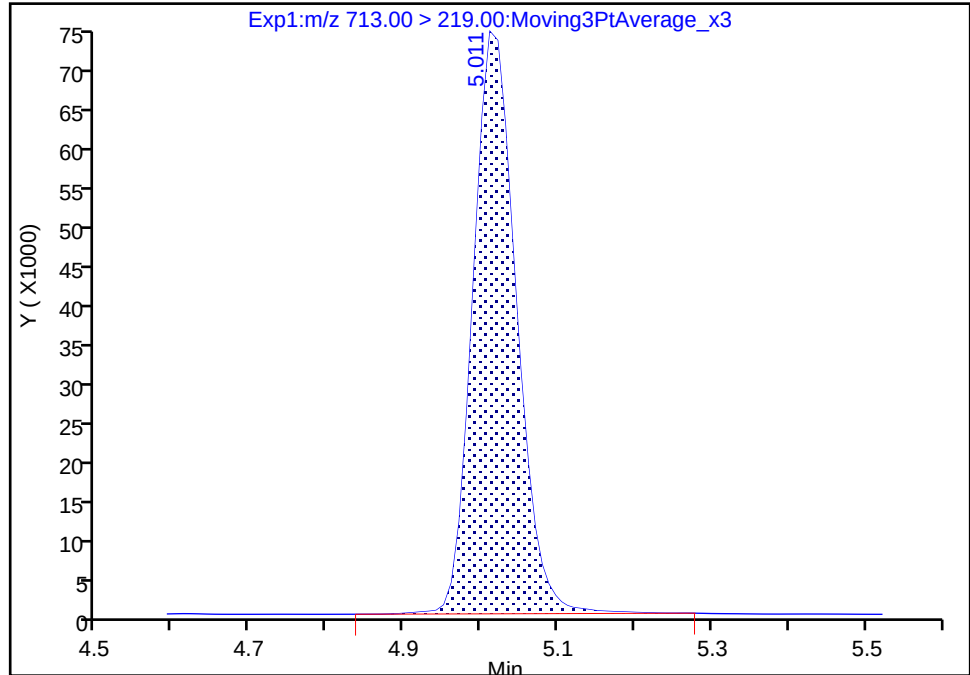
EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

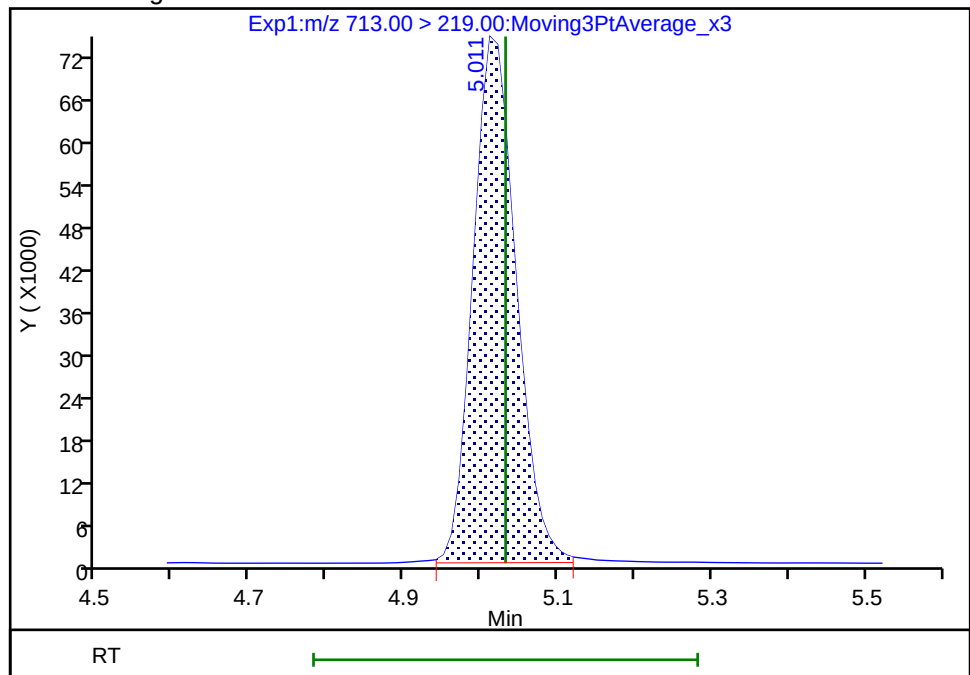
RT: 5.01
Area: 290787
Amount: 1.849948
Amount Units: ng/ml

Processing Integration Results



RT: 5.01
Area: 288219
Amount: 1.864732
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:36:36

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A07.d

Injection Date: 09-Aug-2022 16:40:21

Instrument ID: LC812

Lims ID: LCS 200-182492/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

4

Worklist Smp#: 7

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

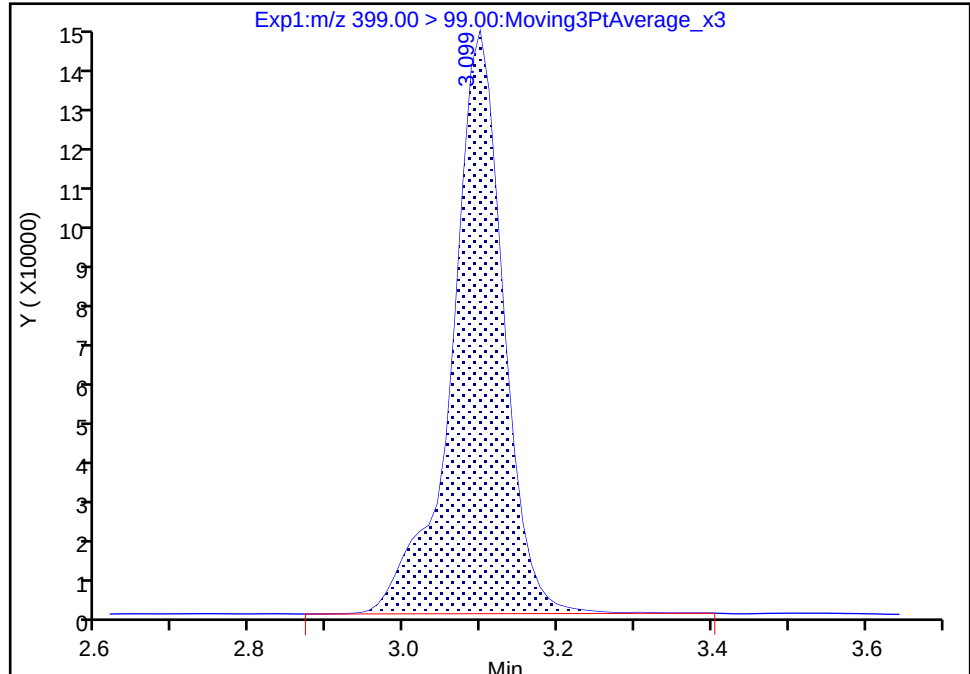
Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

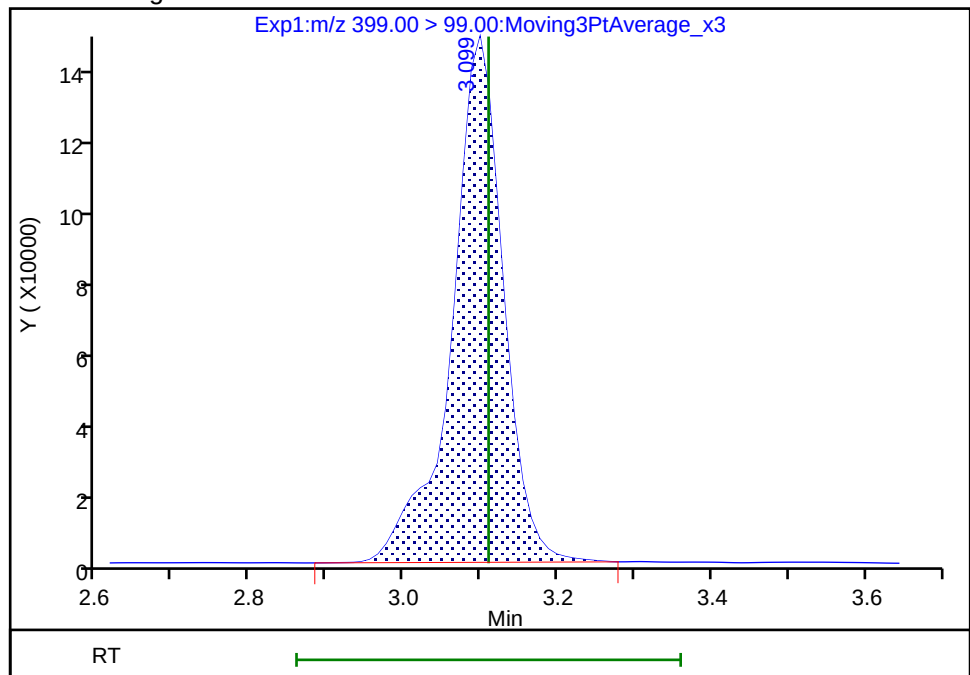
RT: 3.10
Area: 687464
Amount: 1.921659
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 684911
Amount: 1.916647
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:32:20

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A07.d

Injection Date: 09-Aug-2022 16:40:21

Instrument ID: LC812

Lims ID: LCS 200-182492/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

4

Worklist Smp#: 7

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

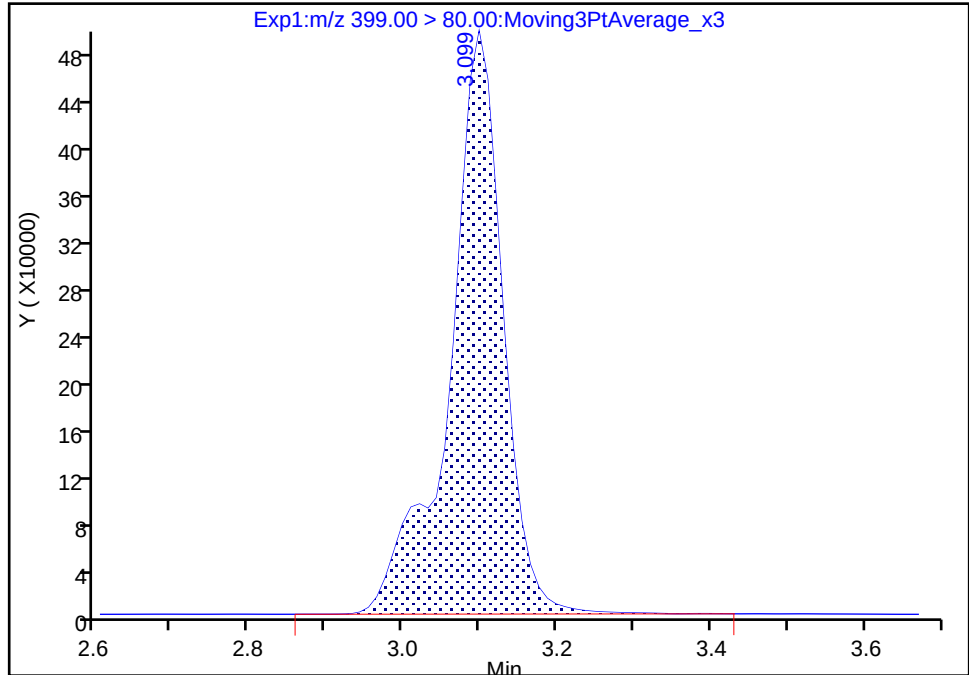
EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

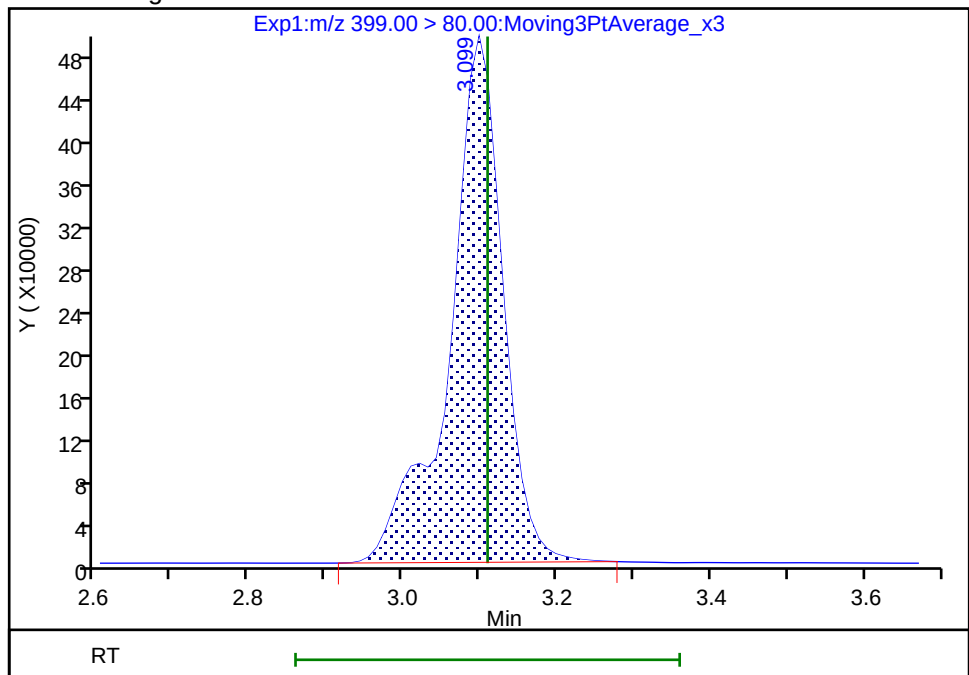
RT: 3.10
Area: 2390939
Amount: 1.921659
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 2374570
Amount: 1.916647
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:48:58

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A07.d

Injection Date: 09-Aug-2022 16:40:21

Instrument ID: LC812

Lims ID: LCS 200-182492/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

4

Worklist Smp#: 7

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

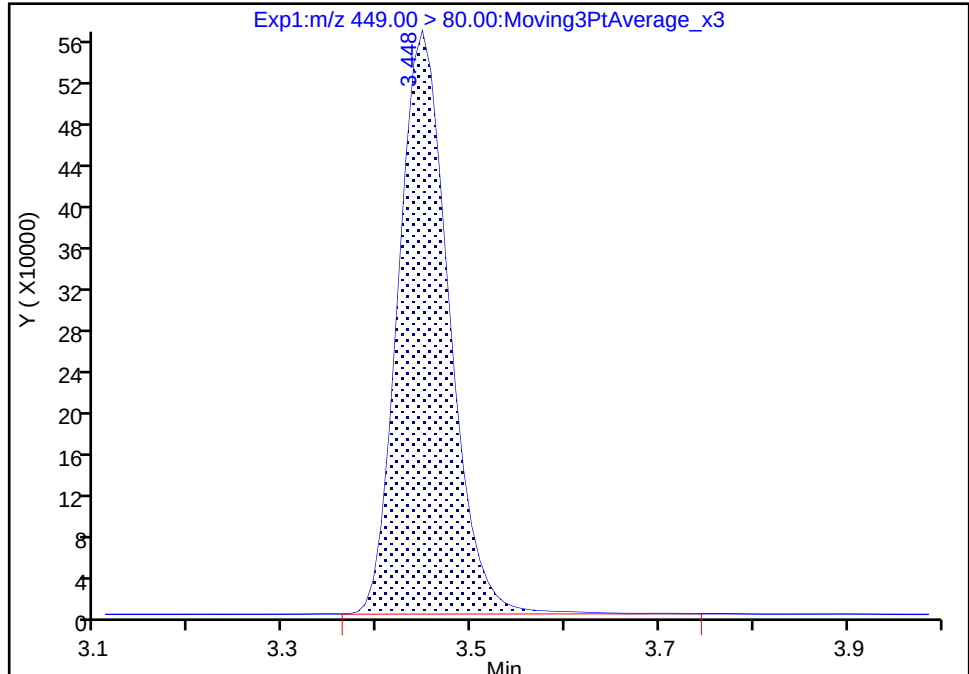
EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

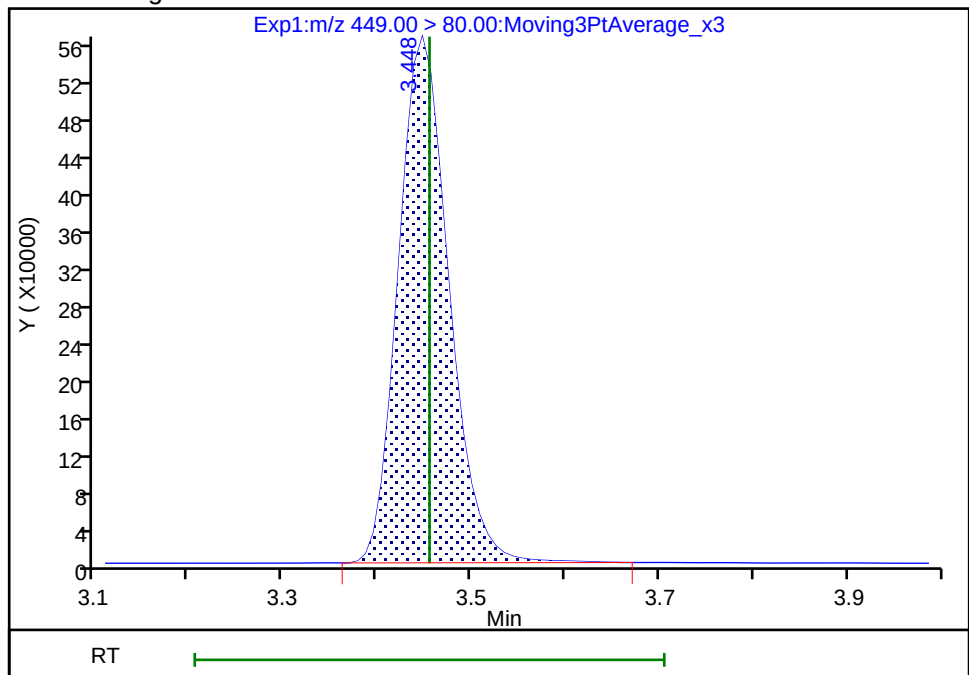
RT: 3.45
Area: 2126250
Amount: 2.036610
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 2121769
Amount: 2.049263
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:33:01

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A07.d

Injection Date: 09-Aug-2022 16:40:21

Instrument ID: LC812

Lims ID: LCS 200-182492/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

4

Worklist Smp#: 7

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

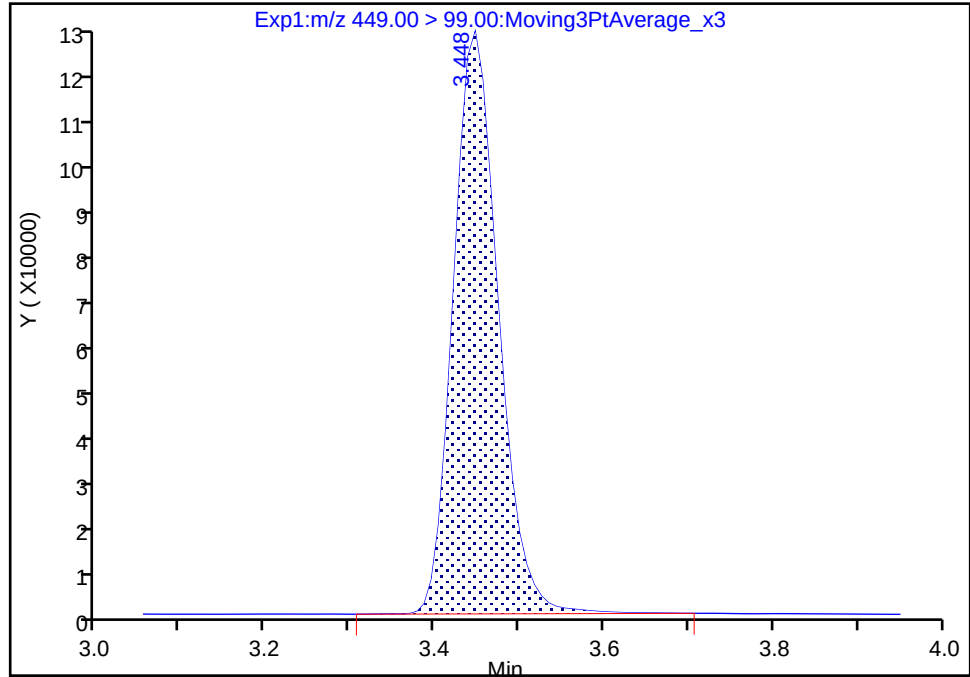
EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

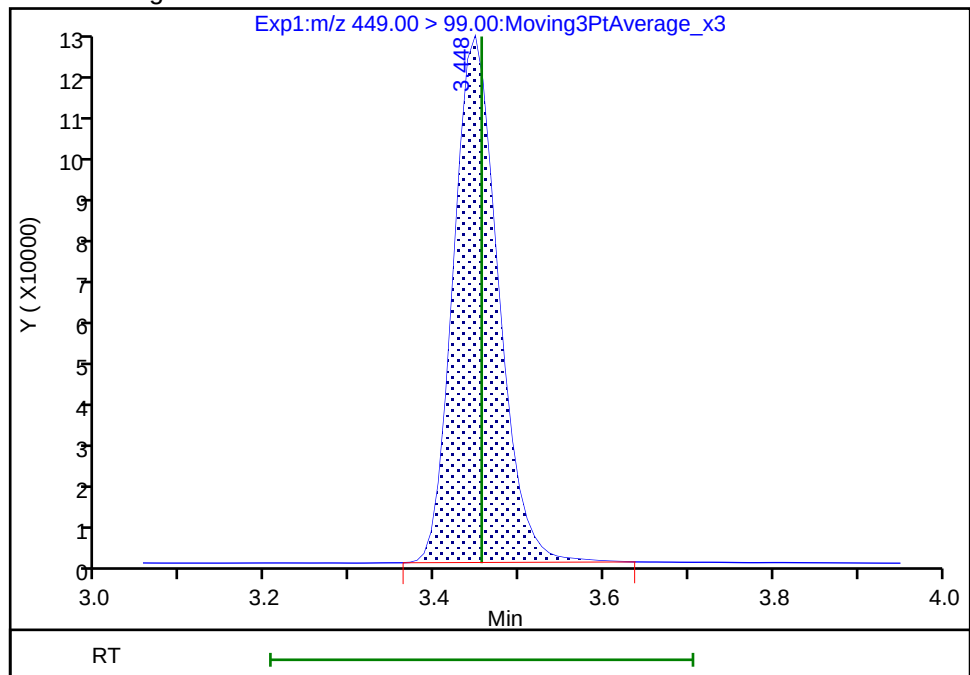
RT: 3.45
Area: 444013
Amount: 2.036610
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 442198
Amount: 2.049263
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:33:07

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A07.d

Injection Date: 09-Aug-2022 16:40:21

Instrument ID: LC812

Lims ID: LCS 200-182492/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

4

Worklist Smp#: 7

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

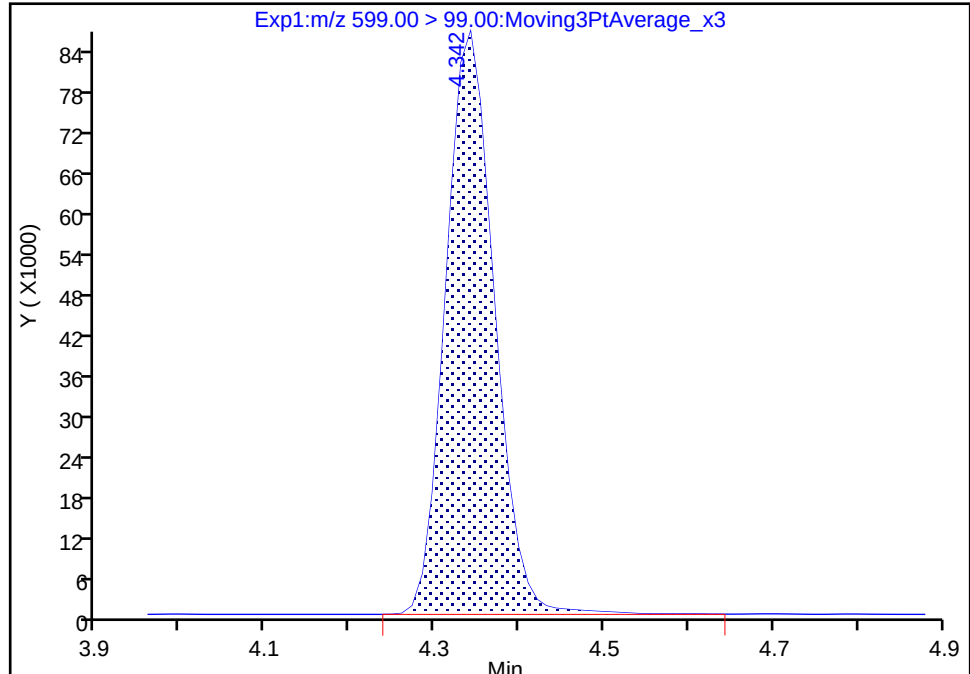
EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

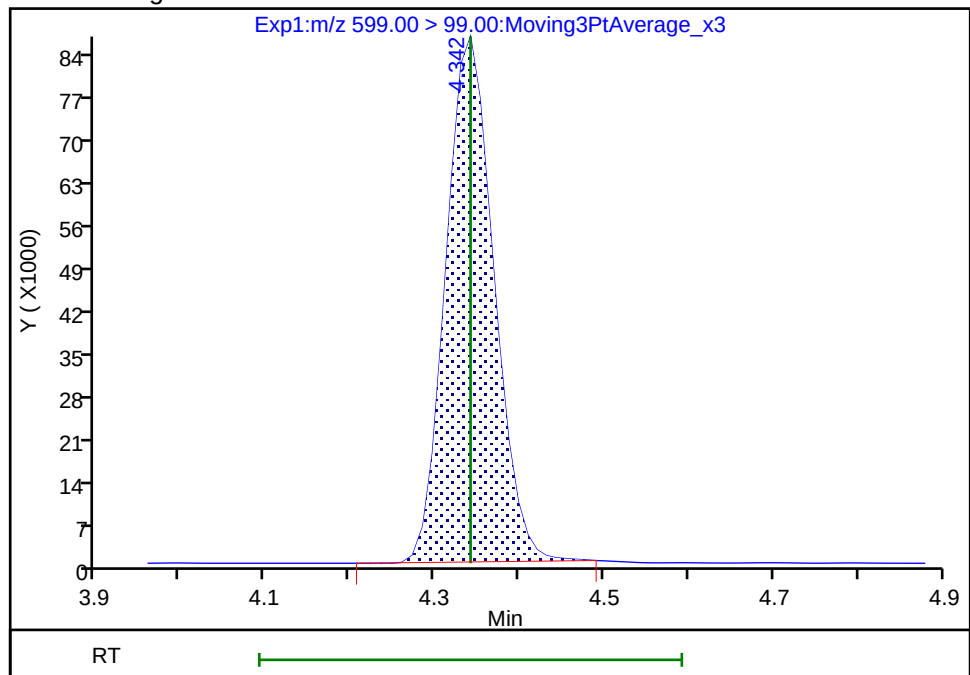
RT: 4.34
Area: 344551
Amount: 1.778971
Amount Units: ng/ml

Processing Integration Results



RT: 4.34
Area: 339472
Amount: 1.793803
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:49:46

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

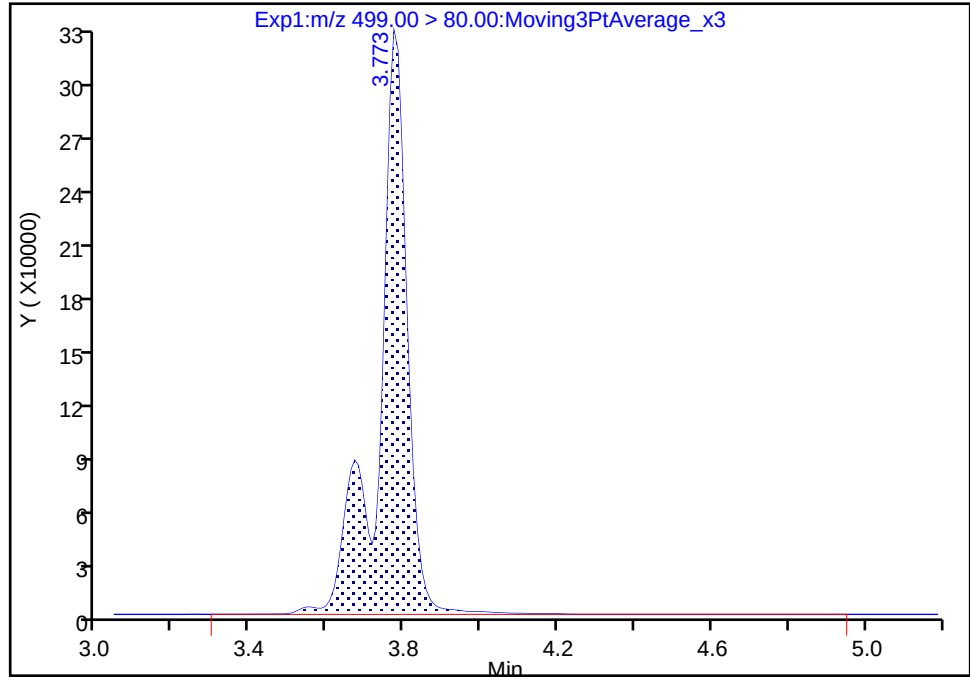
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A07.d
Injection Date: 09-Aug-2022 16:40:21 Instrument ID: LC812
Lims ID: LCS 200-182492/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

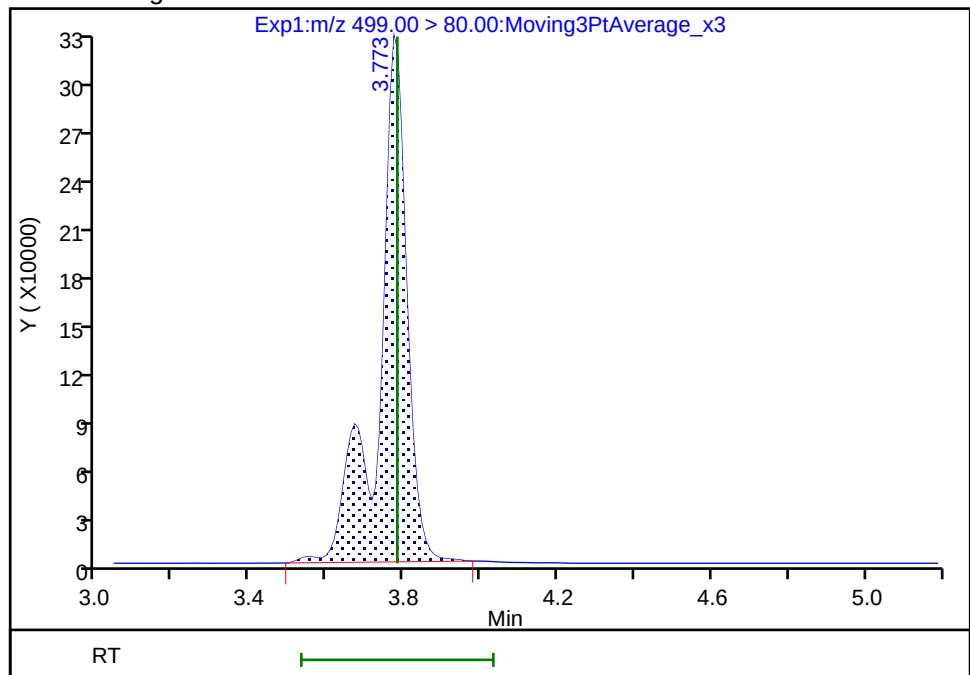
RT: 3.77
Area: 1705368
Amount: 2.010774
Amount Units: ng/ml

Processing Integration Results



RT: 3.77
Area: 1673273
Amount: 1.989184
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:33:34

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A07.d

Injection Date: 09-Aug-2022 16:40:21

Instrument ID: LC812

Lims ID: LCS 200-182492/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

4

Worklist Smp#: 7

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

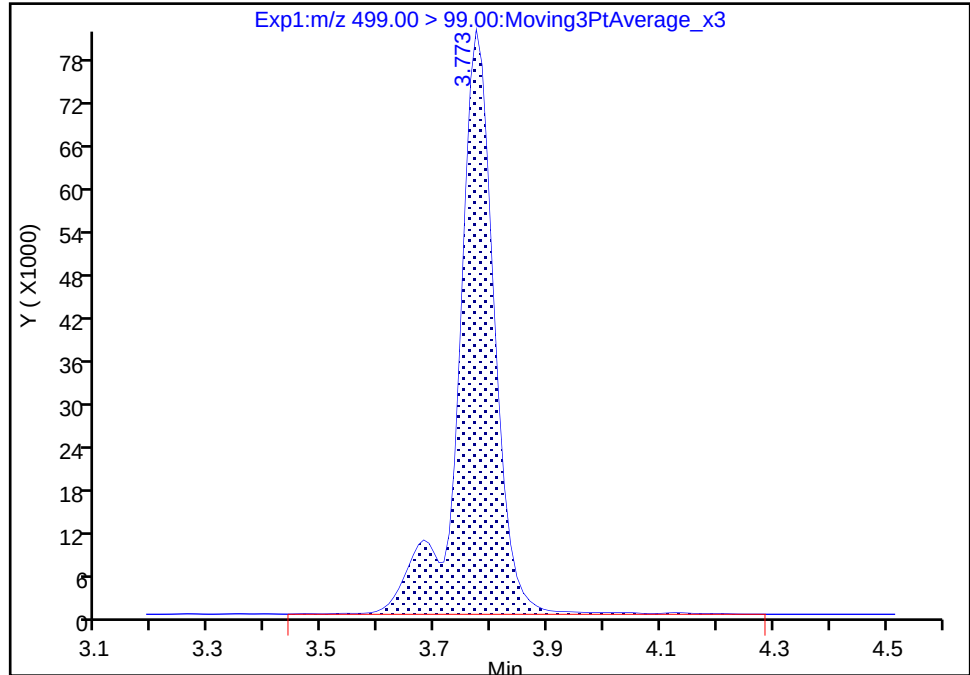
EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

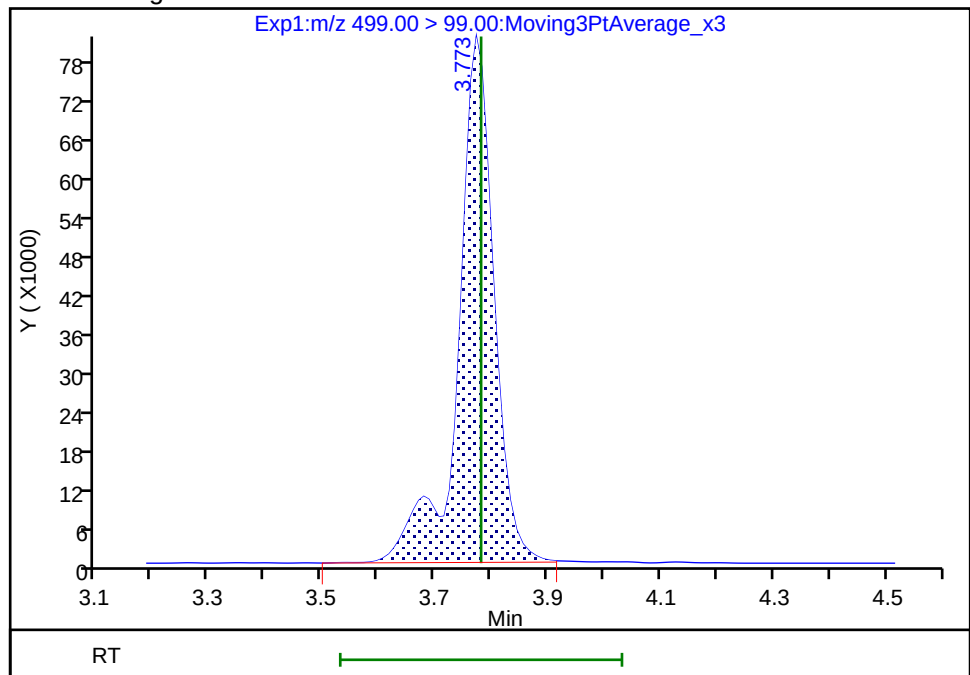
RT: 3.77
Area: 364179
Amount: 2.010774
Amount Units: ng/ml

Processing Integration Results



RT: 3.77
Area: 358696
Amount: 1.989184
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:33:50

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

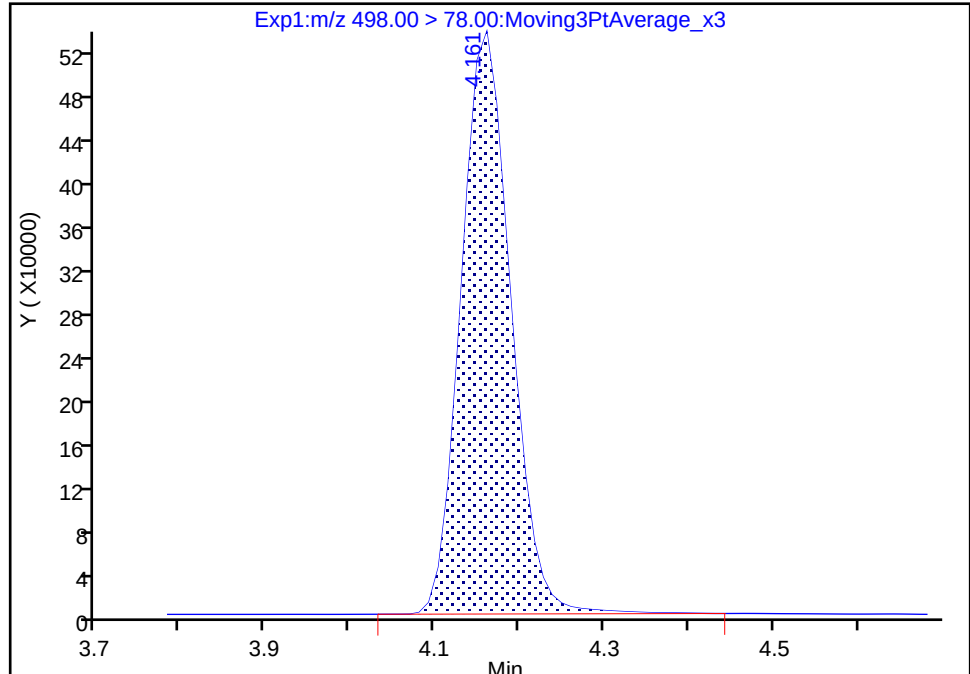
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A07.d
Injection Date: 09-Aug-2022 16:40:21 Instrument ID: LC812
Lims ID: LCS 200-182492/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

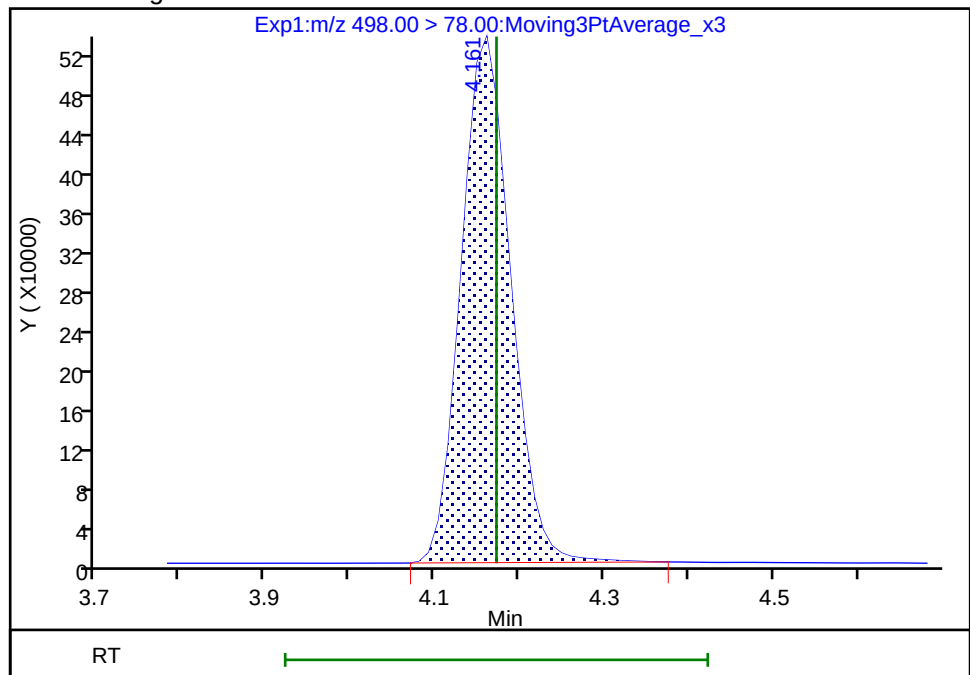
RT: 4.16
Area: 2174884
Amount: 2.028601
Amount Units: ng/ml

Processing Integration Results



RT: 4.16
Area: 2167159
Amount: 2.021396
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:34:29

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A07.d

Injection Date: 09-Aug-2022 16:40:21

Instrument ID: LC812

Lims ID: LCS 200-182492/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

4

Worklist Smp#: 7

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

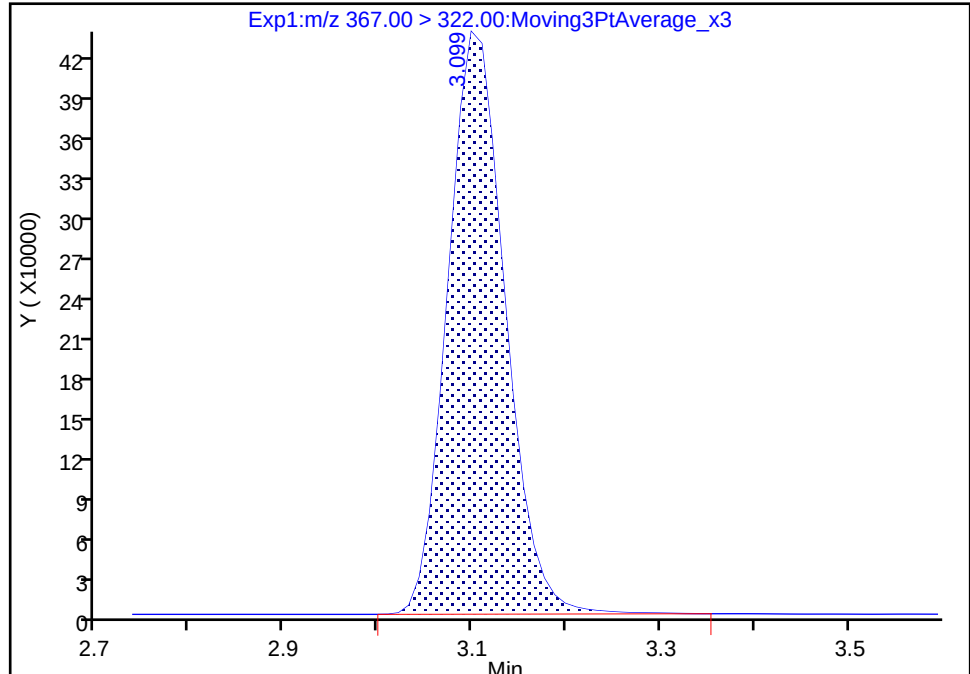
Detector: EXP1

D 9 13C4 PFHpA, CAS: STL01892

Signal: 1

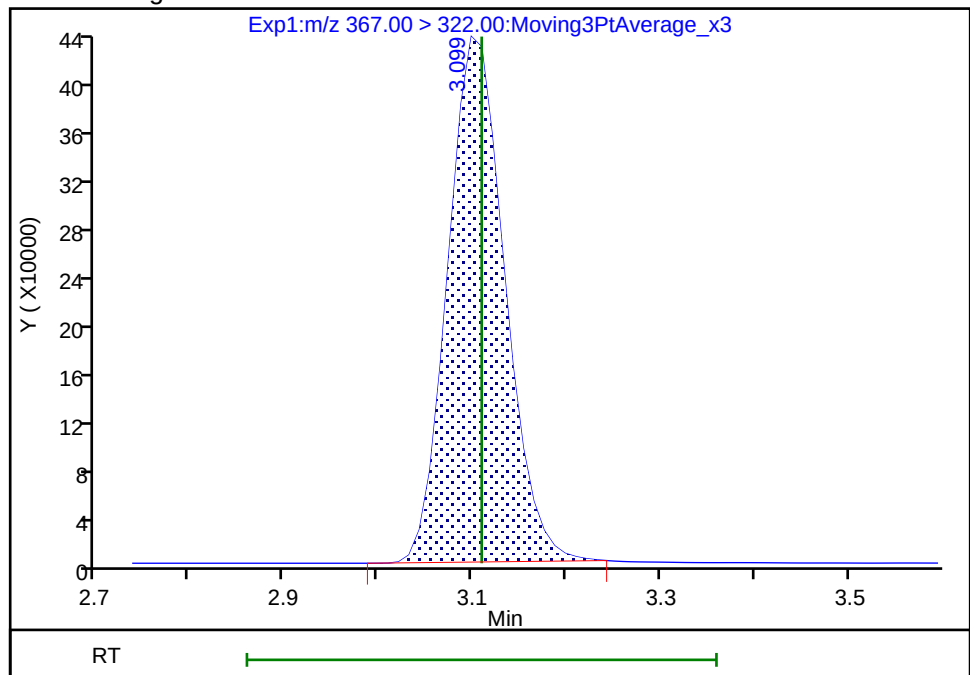
RT: 3.10
Area: 1852347
Amount: 1.319113
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 1833807
Amount: 1.305911
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:49:03

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A07.d

Injection Date: 09-Aug-2022 16:40:21

Instrument ID: LC812

Lims ID: LCS 200-182492/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

4

Worklist Smp#: 7

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

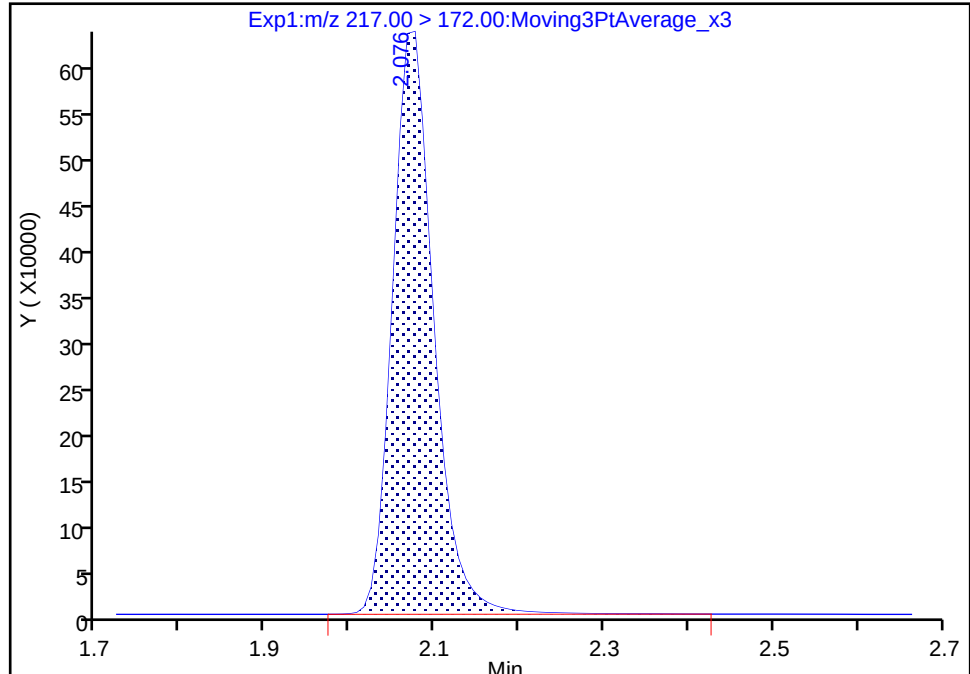
Detector: EXP1

D 1 13C4 PFBA, CAS: STL00992

Signal: 1

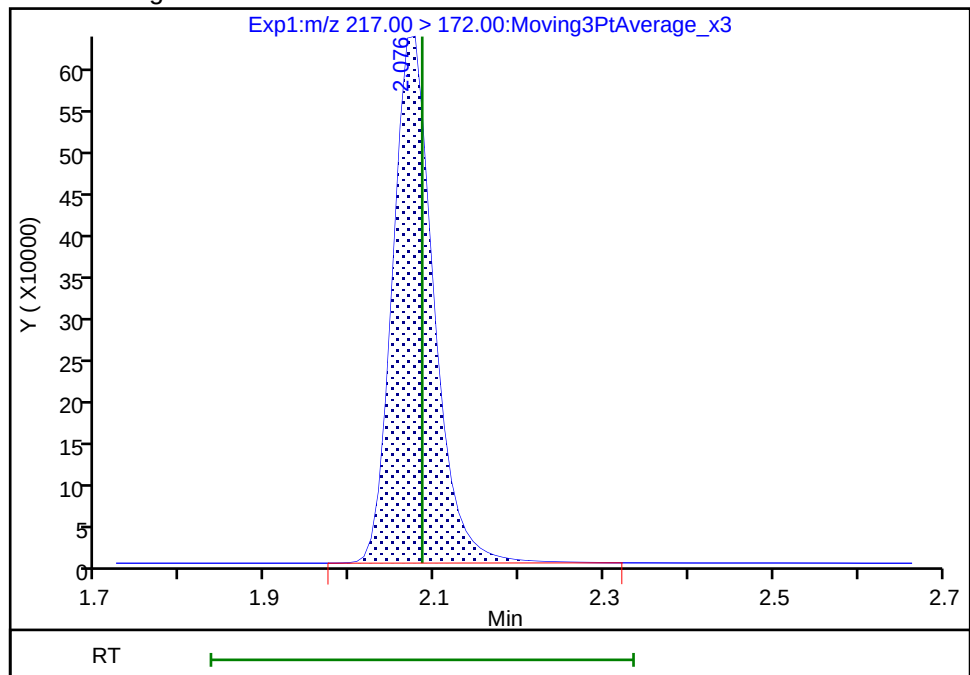
RT: 2.08
Area: 2141362
Amount: 1.214651
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 2137687
Amount: 1.212566
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:48:37

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A07.d

Injection Date: 09-Aug-2022 16:40:21

Instrument ID: LC812

Lims ID: LCS 200-182492/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

4

Worklist Smp#: 7

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

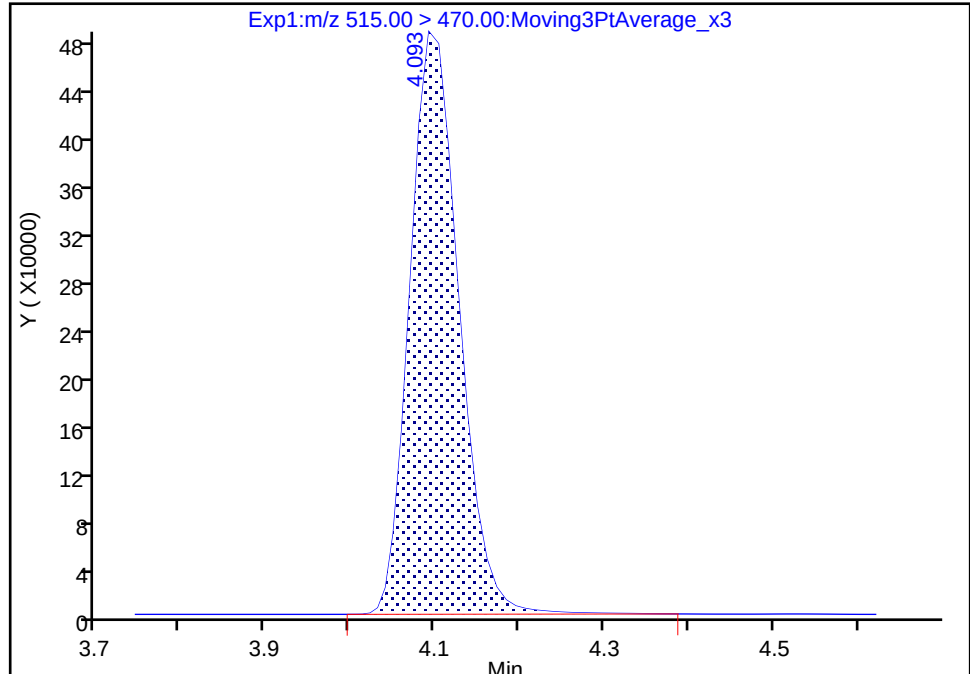
Detector: EXP1

D 23 13C2 PFDA, CAS: STL00996

Signal: 1

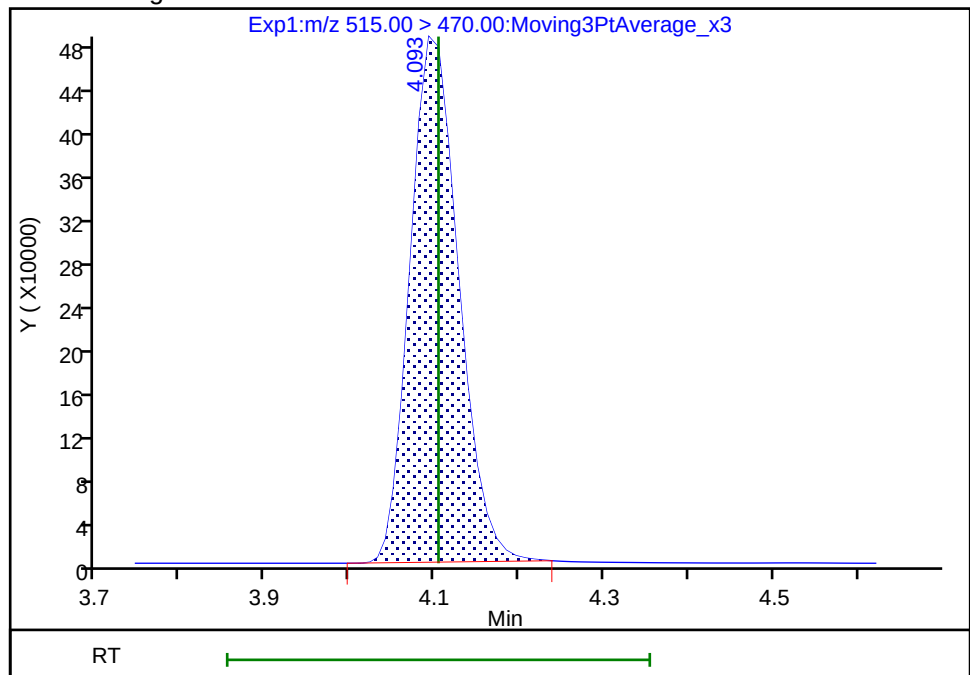
RT: 4.09
Area: 1939802
Amount: 1.334253
Amount Units: ng/ml

Processing Integration Results



RT: 4.09
Area: 1918982
Amount: 1.319933
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:49:27

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A07.d

Injection Date: 09-Aug-2022 16:40:21

Instrument ID: LC812

Lims ID: LCS 200-182492/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

4

Worklist Smp#: 7

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

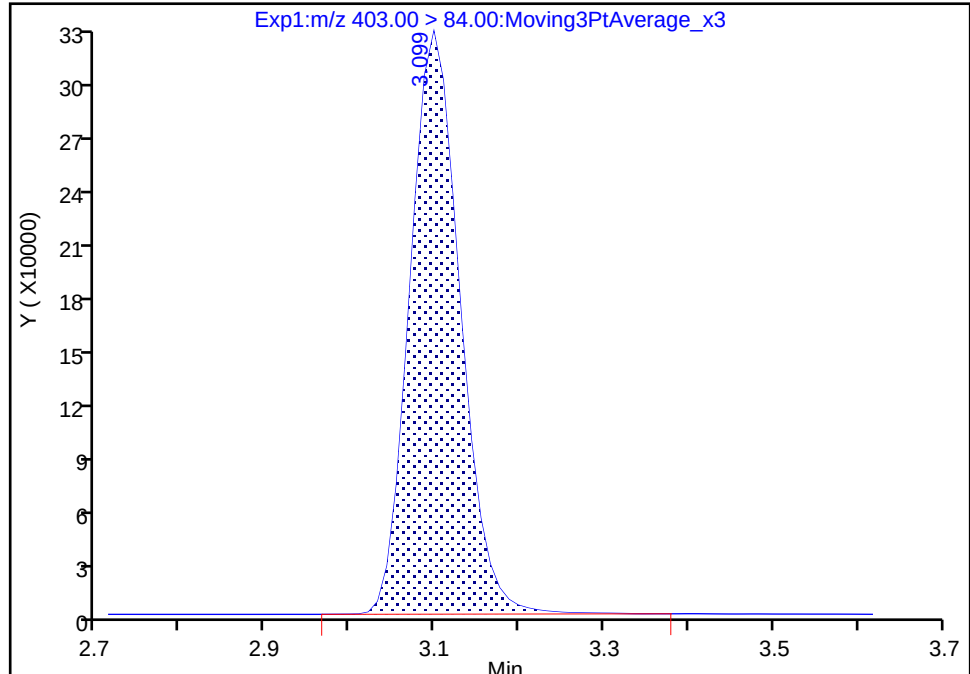
Detector: EXP1

D 11 18O2 PFHxS, CAS: STL00994

Signal: 1

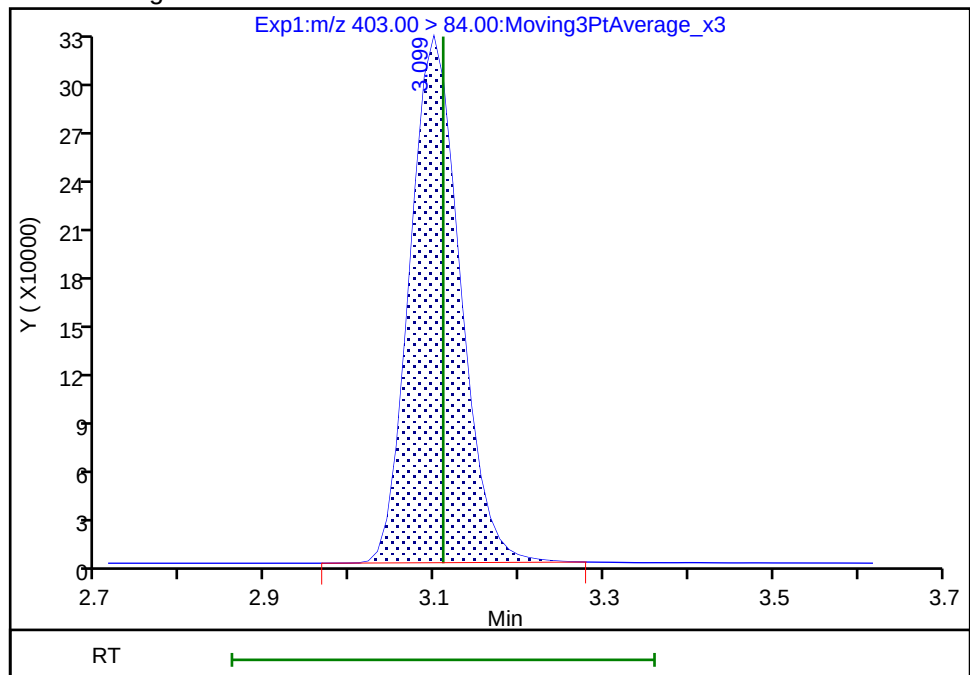
RT: 3.10
Area: 1333955
Amount: 1.208839
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 1328287
Amount: 1.203702
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:48:53

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A07.d

Injection Date: 09-Aug-2022 16:40:21

Instrument ID: LC812

Lims ID: LCS 200-182492/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

4

Worklist Smp#: 7

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

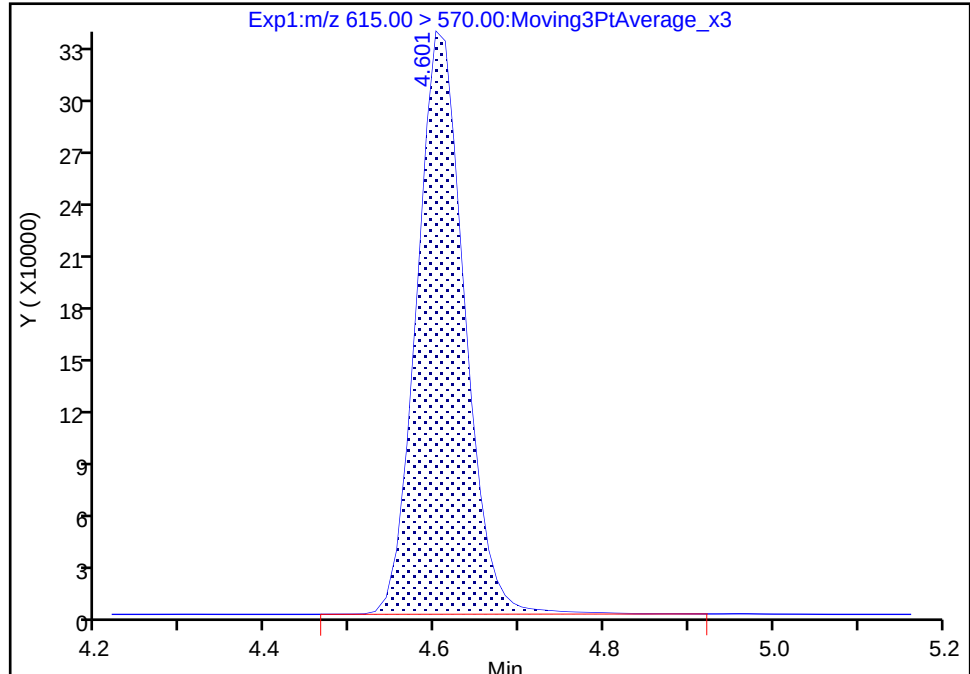
Detector: EXP1

D 36 13C2 PFD_oA, CAS: STL00998

Signal: 1

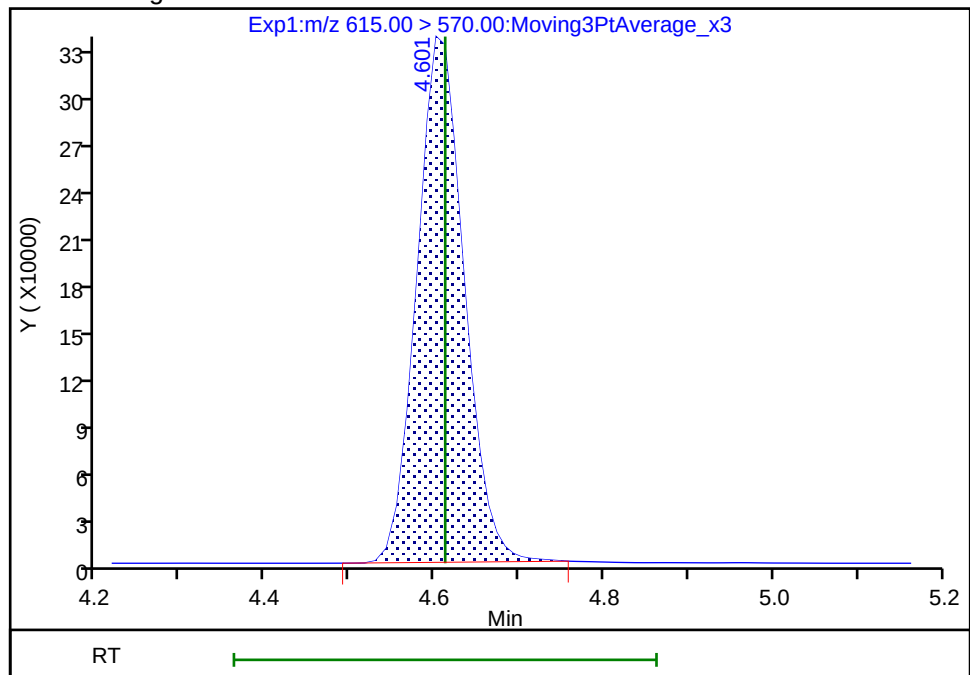
RT: 4.60
Area: 1317999
Amount: 1.154651
Amount Units: ng/ml

Processing Integration Results



RT: 4.60
Area: 1305077
Amount: 1.143331
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:50:05

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A07.d

Injection Date: 09-Aug-2022 16:40:21

Instrument ID: LC812

Lims ID: LCS 200-182492/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

4

Worklist Smp#: 7

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

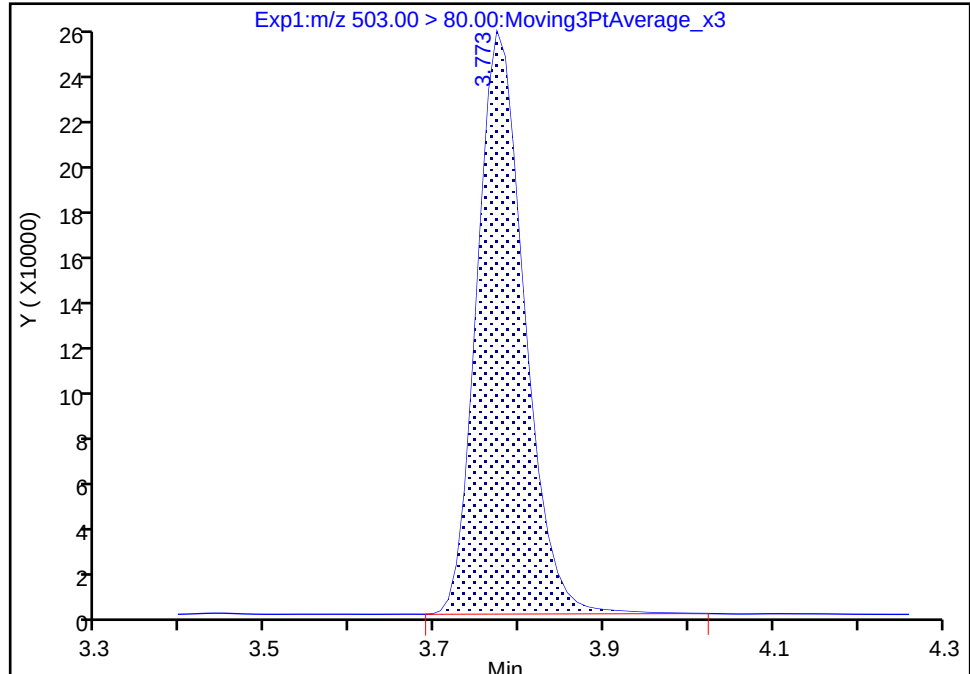
Detector: EXP1

D 18 13C4 PFOS, CAS: STL00991

Signal: 1

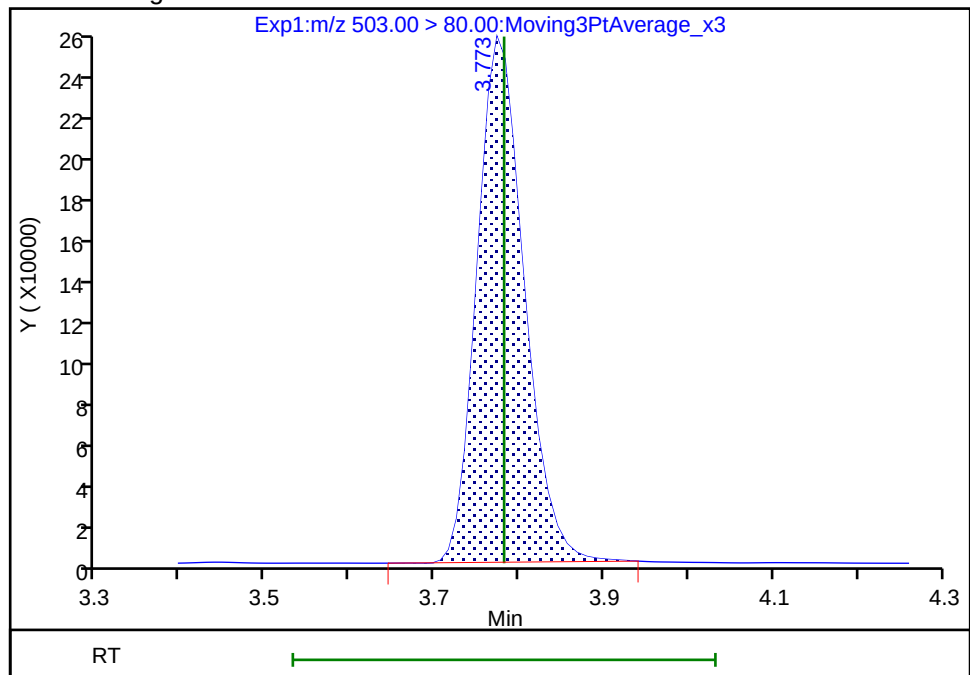
RT: 3.77
Area: 1009373
Amount: 1.224999
Amount Units: ng/ml

Processing Integration Results



RT: 3.77
Area: 1001027
Amount: 1.214870
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:49:20

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

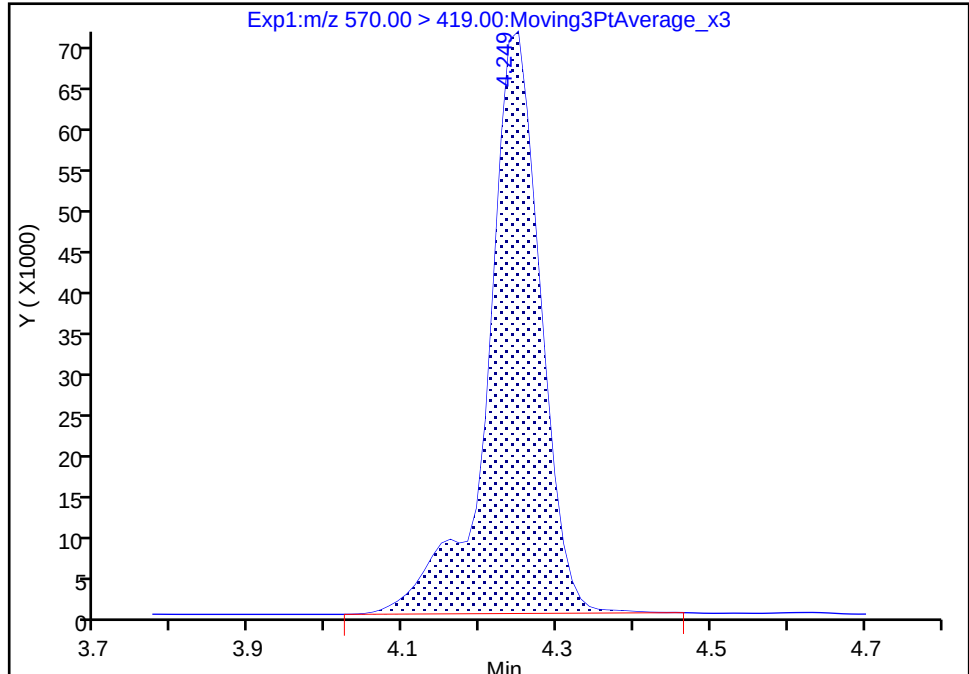
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A07.d
Injection Date: 09-Aug-2022 16:40:21 Instrument ID: LC812
Lims ID: LCS 200-182492/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

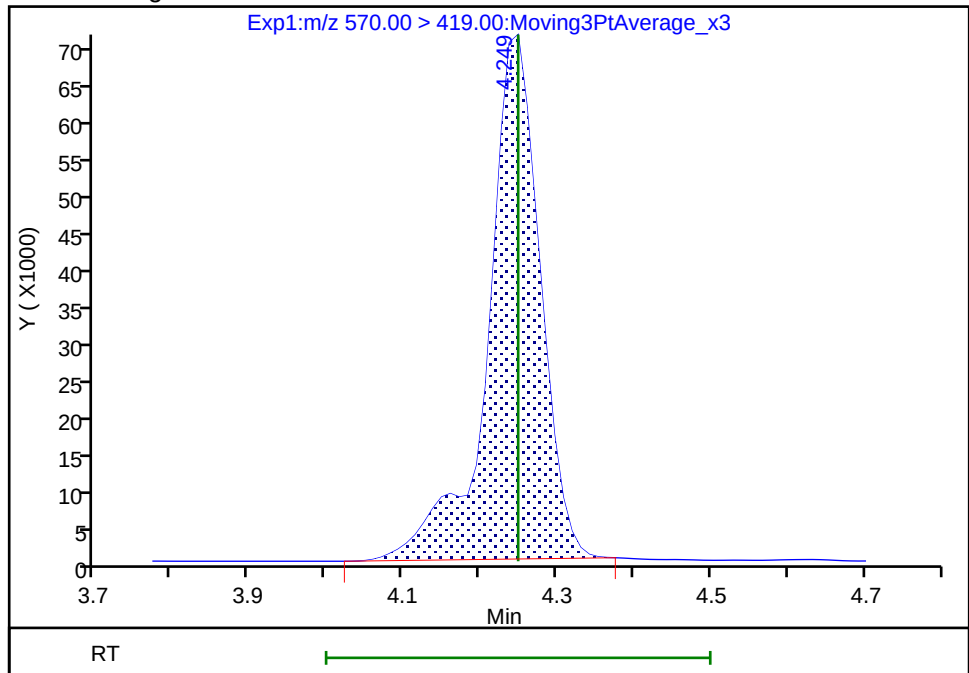
RT: 4.25
Area: 342902
Amount: 1.967005
Amount Units: ng/ml

Processing Integration Results



RT: 4.25
Area: 339082
Amount: 1.969266
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:49:41
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1432 of 1695

08/18/2022

Eurofins Burlington

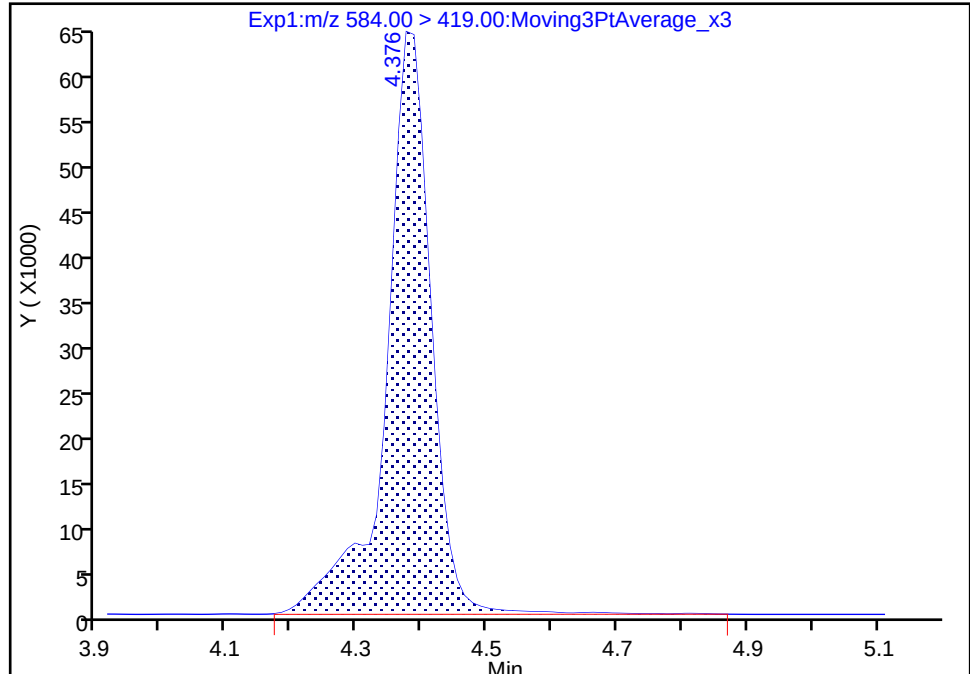
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A07.d
Injection Date: 09-Aug-2022 16:40:21 Instrument ID: LC812
Lims ID: LCS 200-182492/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

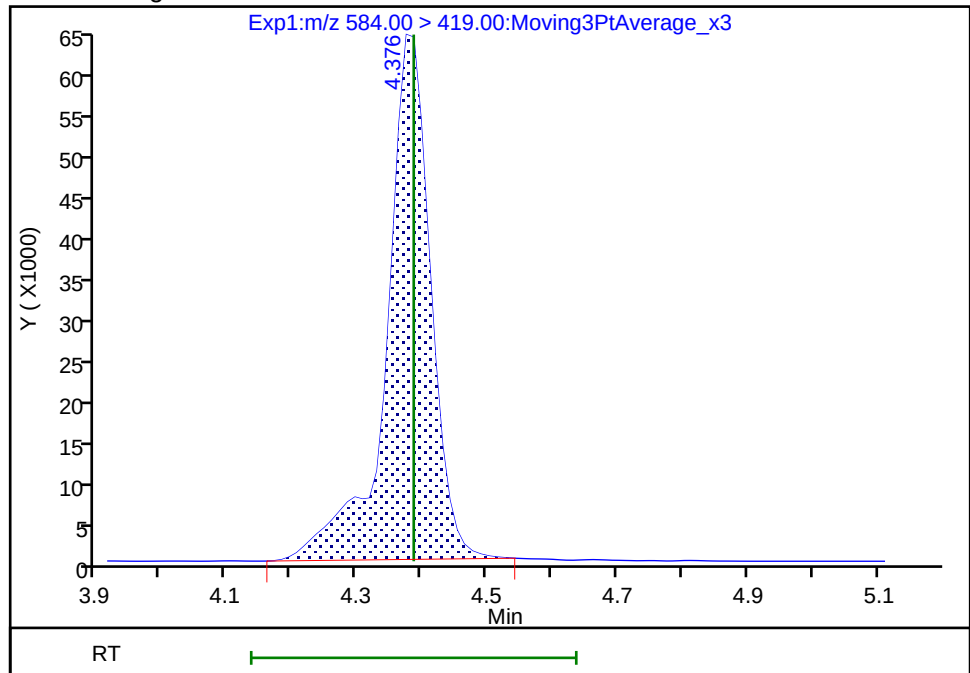
RT: 4.38
Area: 308573
Amount: 2.054824
Amount Units: ng/ml

Processing Integration Results



RT: 4.38
Area: 301950
Amount: 2.010721
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:49:53
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A07.d

Injection Date: 09-Aug-2022 16:40:21

Instrument ID: LC812

Lims ID: LCS 200-182492/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

4

Worklist Smp#: 7

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

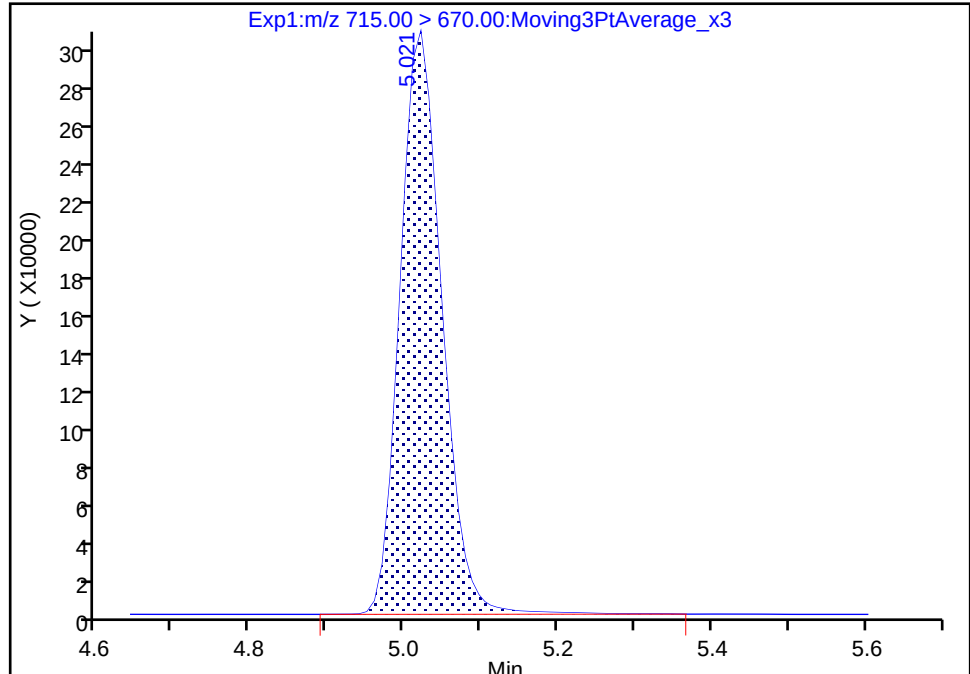
Detector: EXP1

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

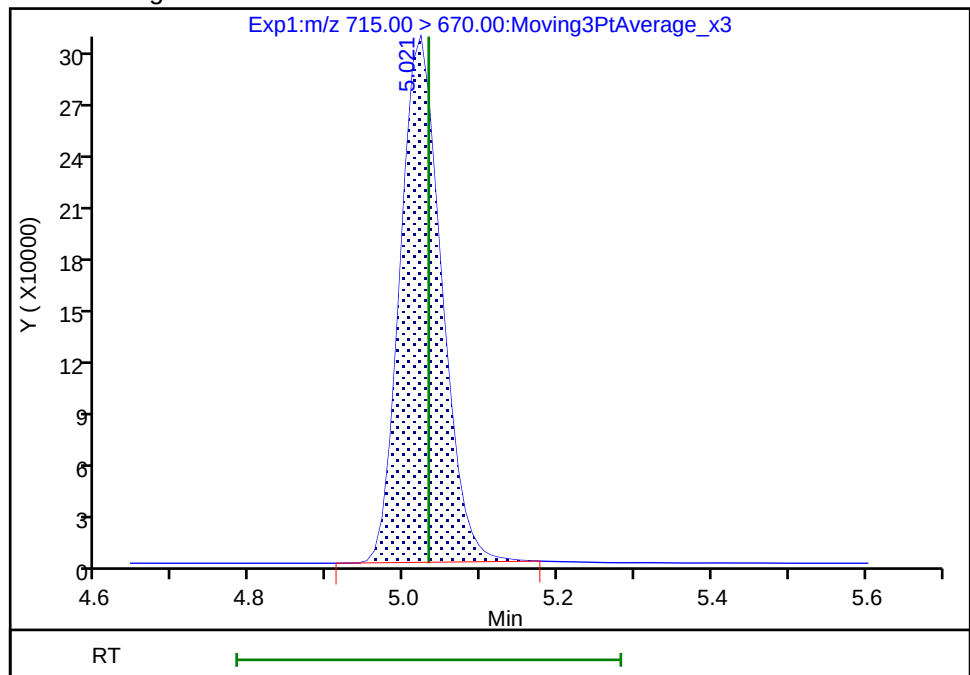
RT: 5.02
Area: 1137133
Amount: 1.218637
Amount Units: ng/ml

Processing Integration Results



RT: 5.02
Area: 1123335
Amount: 1.203850
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:50:19

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A07.d

Injection Date: 09-Aug-2022 16:40:21

Instrument ID: LC812

Lims ID: LCS 200-182492/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

4

Worklist Smp#: 7

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

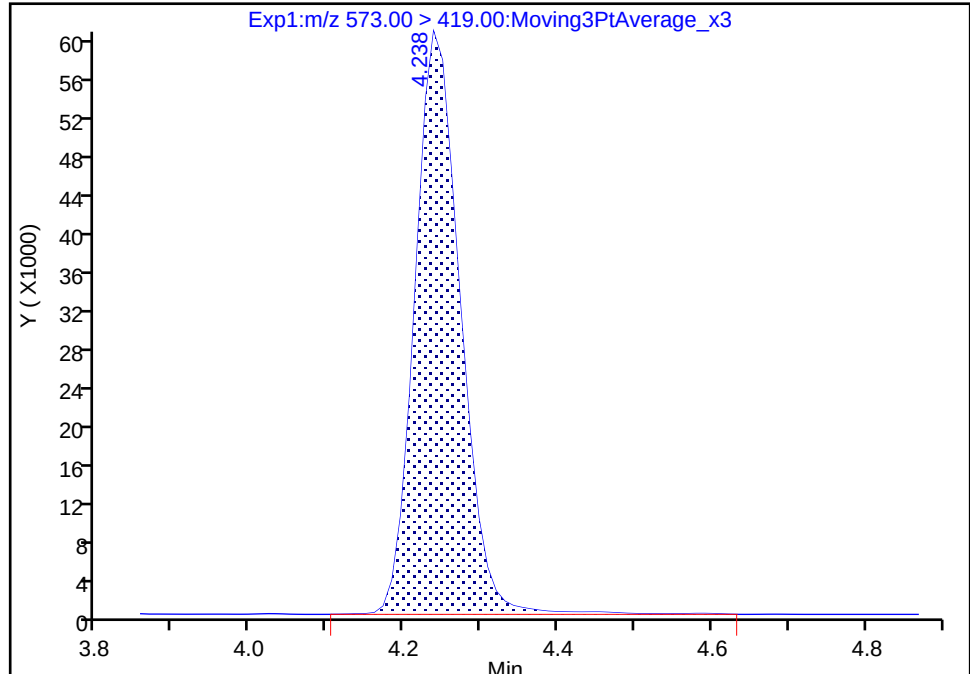
Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

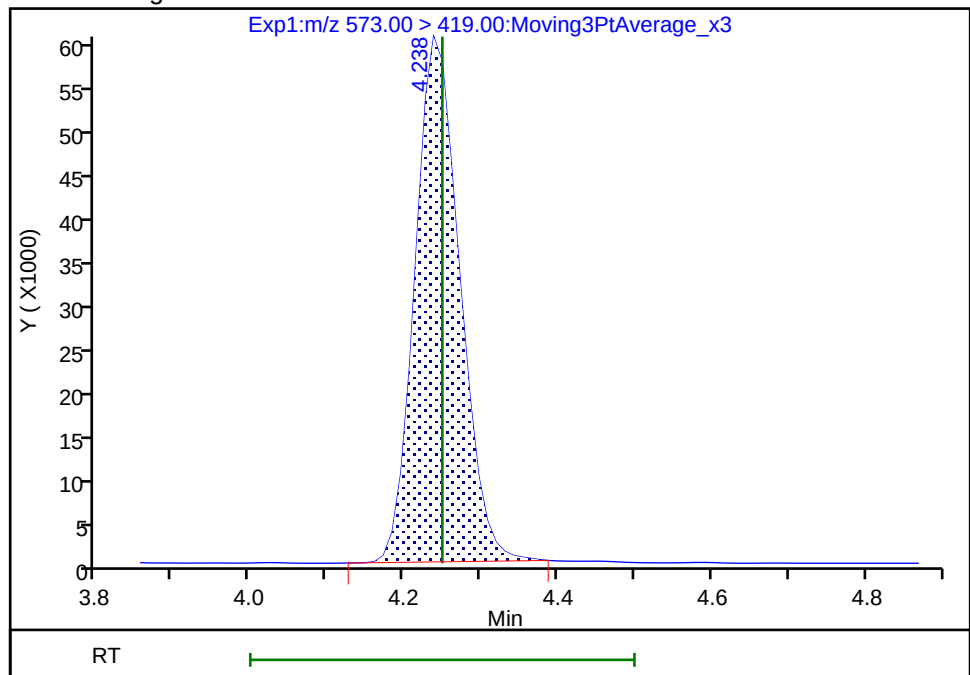
RT: 4.24
Area: 246819
Amount: 1.266638
Amount Units: ng/ml

Processing Integration Results



RT: 4.24
Area: 242350
Amount: 1.243703
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 07:49:36

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A07.d

Injection Date: 09-Aug-2022 16:40:21

Instrument ID: LC812

Lims ID: LCS 200-182492/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

4

Worklist Smp#: 7

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

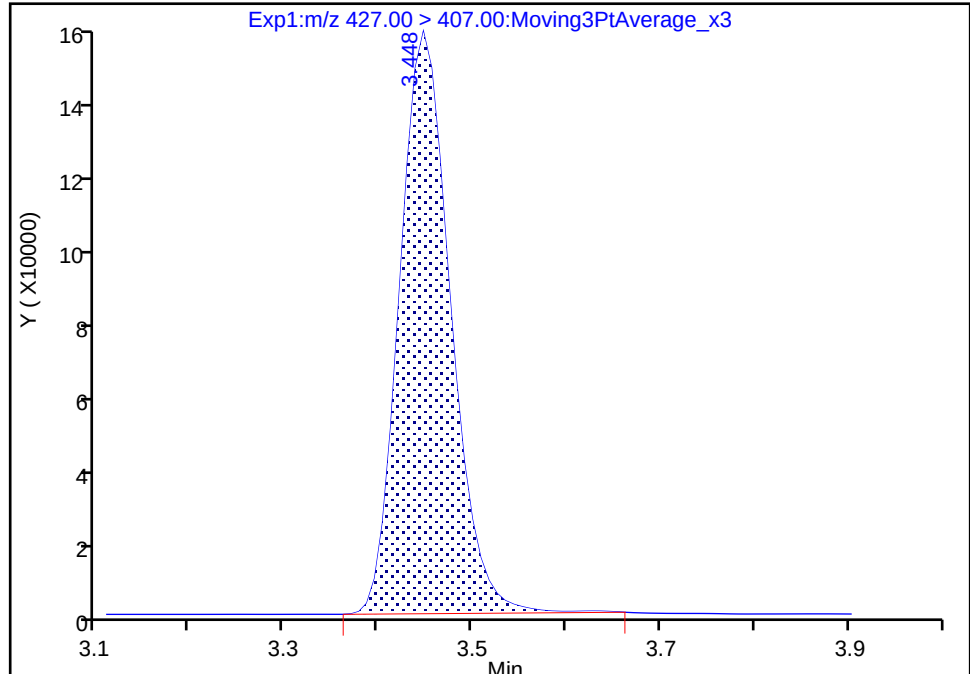
Detector: EXP1

13 1H,1H,2H,2H-perfluorooctanesulfo, CAS: 27619-97-2

Signal: 1

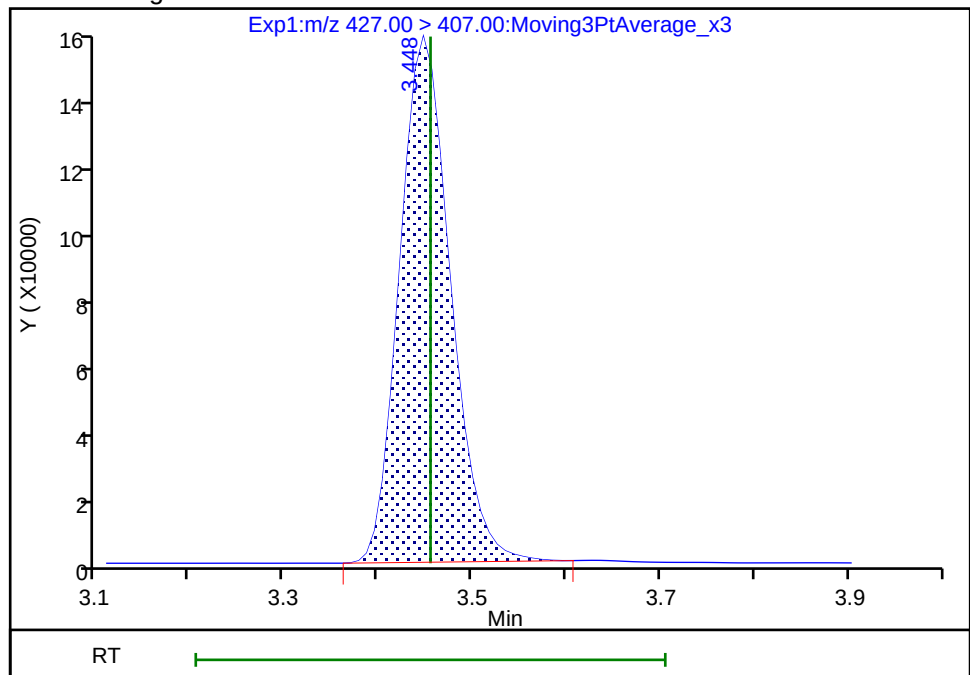
RT: 3.45
Area: 584956
Amount: 2.111707
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 581724
Amount: 2.099946
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:32:54

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A07.d

Injection Date: 09-Aug-2022 16:40:21

Instrument ID: LC812

Lims ID: LCS 200-182492/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

4

Worklist Smp#: 7

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

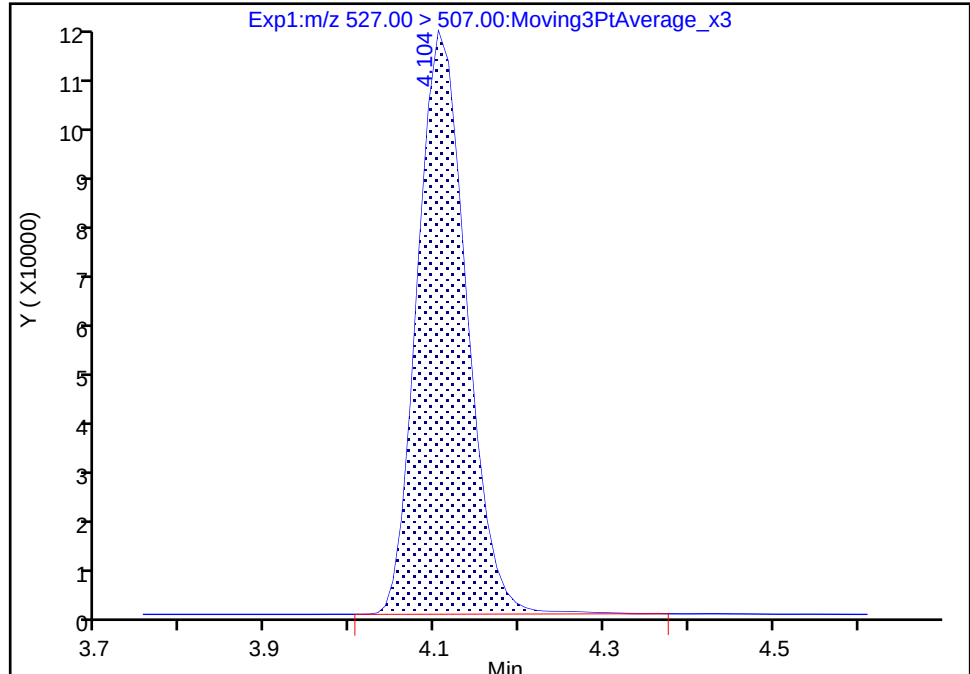
Detector: EXP1

25 1H,1H,2H,2H-perfluorodecanesulfo, CAS: 39108-34-4

Signal: 1

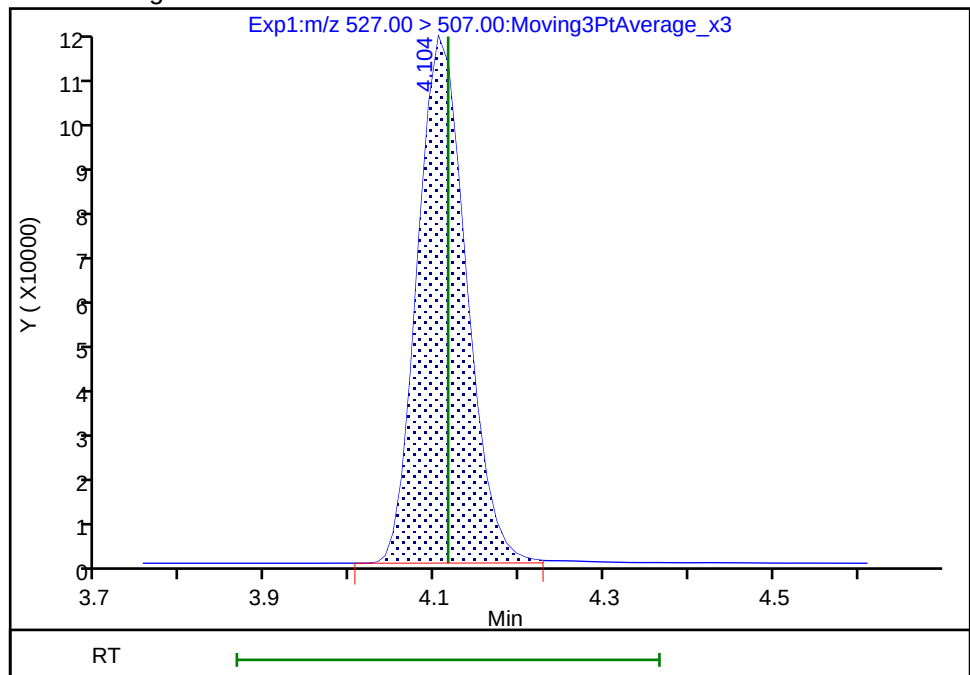
RT: 4.10
Area: 468516
Amount: 1.989800
Amount Units: ng/ml

Processing Integration Results



RT: 4.10
Area: 466605
Amount: 1.981684
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 09:34:22

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-263208-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 200-182554/2-A

Matrix: Solid Lab File ID: PA220811B03.d

Analysis Method: 537 (modified) Date Collected: _____

Extraction Method: SHAKE Date Extracted: 08/10/2022 17:30

Sample wt/vol: 5.00 (g) Date Analyzed: 08/11/2022 18:47

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.: 182595 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	1.871		0.50	0.33
2706-90-3	Perfluoropentanoic acid (PFPeA)	2.001		0.20	0.055
307-24-4	Perfluorohexanoic acid (PFHxA)	2.021		0.20	0.046
375-85-9	Perfluoroheptanoic acid (PFHpA)	1.912		0.20	0.039
335-67-1	Perfluorooctanoic acid (PFOA)	1.900		0.20	0.058
375-95-1	Perfluorononanoic acid (PFNA)	1.896		0.20	0.034
335-76-2	Perfluorodecanoic acid (PFDA)	1.899		0.20	0.028
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1.870		0.20	0.027
307-55-1	Perfluorododecanoic acid (PFDoA)	1.945		0.20	0.025
72629-94-8	Perfluorotridecanoic acid (PFTriA)	2.062		0.20	0.025
376-06-7	Perfluorotetradecanoic acid (PFTeA)	1.926		0.20	0.026
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1.700		0.20	0.033
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1.724		0.20	0.041
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	1.873		0.20	0.023
335-77-3	Perfluorodecanesulfonic acid (PFDS)	1.667		0.20	0.019
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1.752		0.20	0.11
754-91-6	Perfluorooctanesulfonamide (FOSA)	1.958		0.20	0.034
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.912	J	2.00	0.11
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.751	J	2.00	0.083
27619-97-2	6:2 FTS	1.998	J	2.00	0.057
39108-34-4	8:2 FTS	1.885	J	2.00	0.037

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-263208-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 200-182554/2-A
 Matrix: Solid Lab File ID: PA220811B03.d
 Analysis Method: 537 (modified) Date Collected: _____
 Extraction Method: SHAKE Date Extracted: 08/10/2022 17:30
 Sample wt/vol: 5.00(g) Date Analyzed: 08/11/2022 18:47
 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.: 182595 Units: ug/Kg

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL01892	13C4 PFHpA	98		50-150
STL00990	13C4 PFOA	94		50-150
STL00995	13C5 PFNA	94		50-150
STL00992	13C4 PFBA	89		50-150
STL00993	13C2 PFHxA	95		50-150
STL00996	13C2 PFDA	93		50-150
STL00997	13C2 PFUnA	88		50-150
STL00994	18O2 PFHxS	91		50-150
STL00998	13C2 PFDoA	87		50-150
STL00991	13C4 PFOS	86		50-150
STL01056	13C8 FOSA	71		50-150
STL01893	13C5 PFPeA	93		50-150
STL02116	13C2 PFTeDA	98		50-150
STL02118	d3-NMeFOSAA	84		50-150
STL02117	d5-NEtFOSAA	84		50-150
STL02279	M2-6:2 FTS	92		50-150
STL02337	13C3 PFBS	87		50-150
STL02280	M2-8:2 FTS	92		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B03.d
 Lims ID: LCS 200-182554/2-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 11-Aug-2022 18:47:31 ALS Bottle#: 3 Worklist Smp#: 3
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: LCS 200-182554/2-A
 Misc. Info.: 200-0052043-003 Plate: 1 Rack: 2
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 12-Aug-2022 12:19:48 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: CTX1609

First Level Reviewer: nampitakw

Date: 12-Aug-2022 08:22:31

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										
217.00 > 172.00	2.077	2.076	0.001	0.600	2045307	1.11		89.0	10266	
2 Perfluorobutanoic acid										
212.90 > 169.00	2.086	2.076	0.010	1.004	1484400	0.9356		93.6	176	
D 3 13C5 PFPeA										
267.90 > 223.00	2.389	2.386	0.003	0.690	1646117	1.16		93.1	3660	
4 Perfluoropentanoic acid										
262.90 > 219.00	2.389	2.386	0.003	1.000	1358016	1.00		100	46.7	
D 47 13C3 PFBS										M
301.90 > 80.00	2.402	2.400	0.002	0.694	1646241	1.01		86.6	260312	M
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.402	2.413	-0.011	1.000	1328371	0.8498	Target=2.23	96.1	1693	
298.90 > 99.00	2.402	2.413	-0.011	1.000	626572		2.12(1.11-3.34)		450	
D 60 M2-4:2 FTS										
329.00 > 81.00	2.704	2.701	0.003	0.781	154183	1.09		93.8	169	
61 1H,1H,2H,2H-perfluorohexanesulfo										M
327.00 > 307.00	2.704	2.701	0.003	1.000	289164	0.9212		98.6	2675	M
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.740	2.737	0.003	1.000	1417576	1.01	Target=12.24	101	312	M
313.00 > 119.00	2.740	2.737	0.003	1.000	107917		13.14(6.12-18.36)		174	M
D 7 13C2 PFHxA										M
315.00 > 270.00	2.740	2.737	0.003	0.792	1680585	1.19		95.3	2530	M
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.740	2.737	0.003	0.883	1220853	0.8990	Target=2.95	95.8	1490	M
349.00 > 99.00	2.740	2.737	0.003	0.883	400098		3.05(1.48-4.43)		746	
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.850	2.847	0.003	0.824	309803	1.17		93.3	1240	

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	2.850	2.847	0.003	1.000	245072	0.9202		92.0	1720	
D 11 18O2 PFHxS										M
403.00 > 84.00	3.103	3.098	0.005	0.897	1238499	1.08		91.0	1791	M
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.103	3.098	0.005	1.000	995550	0.8618	Target=3.43	94.7	1231	M
399.00 > 99.00	3.103	3.098	0.005	1.000	290988		3.42(1.72-5.15)		376	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.103	3.098	0.005	0.897	1793044	1.22		98.0	2826	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.103	3.110	-0.007	1.000	1413378	0.9561	Target=3.73	95.6	381	
363.00 > 169.00	3.103	3.110	-0.007	1.000	375286		3.77(1.86-5.59)		891	M
77 DONA										M
377.00 > 251.00	3.147	3.143	0.004	0.833	3129528	1.02	Target=2.84	109	1819	M
377.00 > 85.00	3.147	3.143	0.004	0.833	1127722		2.78(1.42-4.26)		1320	
D 12 M2-6:2 FTS										M
429.00 > 81.00	3.451	3.447	0.004	0.997	211264	1.10		92.4	645	M
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.451	3.447	0.004	1.000	263358	1.00		105	603	M
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.451	3.447	0.004	0.914	858687	0.9366	Target=4.89	98.4	1458	M
449.00 > 99.00	3.451	3.447	0.004	0.914	174310		4.93(2.44-7.33)		806	M
D 14 13C4 PFOA										M
417.00 > 372.00	3.460	3.456	0.004	1.000	1765028	1.18		94.1	1229	M
* 62 13C2 PFOA										
415.00 > 370.00	3.460	3.456	0.004		1968738	1.25			4694	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.460	3.456	0.004	1.000	1504587	0.9502	Target=2.67	95.0	160	M
413.00 > 169.00	3.460	3.456	0.004	1.000	563258		2.67(1.34-4.01)		728	M
D 18 13C4 PFOS										
503.00 > 80.00	3.777	3.773	0.004	1.092	886352	1.03		86.3	2021	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.777	3.773	0.004	1.000	660264	0.8762	Target=4.88	94.4	476	M
499.00 > 99.00	3.777	3.773	0.004	1.000	147018		4.49(2.44-7.32)		641	M
20 Perfluorononanoic acid										
463.00 > 419.00	3.796	3.792	0.004	1.000	1409371	0.9481	Target=8.23	94.8	447	
463.00 > 169.00	3.796	3.792	0.004	1.000	181211		7.78(4.11-12.34)		1200	
D 19 13C5 PFNA										M
468.00 > 423.00	3.796	3.792	0.004	1.097	1826179	1.17		93.8	1954	M
69 9-Chlorohexadecafluoro-3-oxanona										M
531.00 > 351.00	3.943	3.940	0.003	1.044	1175996	0.8975		96.3	3330	M
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.074	4.060	0.014	1.079	498744	0.8588	Target=2.53	89.5	1780	
549.00 > 99.00	4.074	4.060	0.014	1.079	199417		2.50(1.26-3.79)		759	
D 23 13C2 PFDA										M
515.00 > 470.00	4.107	4.092	0.015	1.187	1771250	1.17		93.5	1457	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	4.107	4.092	0.015	1.000	1414630	0.9493	Target=9.67 9.66(4.83-14.50)	94.9	901	
513.00 > 169.00	4.095	4.092	0.003	0.997	146378				548	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.107	4.092	0.015	1.000	193126	0.9424		98.4	1324	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.107	4.104	0.003	1.187	254119	1.10		91.6	746	
D 21 13C8 FOSA										
506.00 > 78.00	4.164	4.150	0.014	1.203	1179444	0.8890		71.1	1930	M
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.164	4.161	0.003	1.000	941429	0.9791		97.9	1295	
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.242	4.238	0.004	1.226	212723	1.05		83.8	573	M
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.253	4.238	0.015	1.003	144467	0.9559		95.6	333	M
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.346	4.330	0.016	1.151	360113	0.8333	Target=2.80 2.62(1.40-4.20)	86.4	1985	
599.00 > 99.00	4.346	4.330	0.016	1.151	137216				1760	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.368	4.364	0.004	1.262	1270315	1.11		88.5	2119	M
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.368	4.364	0.004	1.000	1006592	0.9349	Target=9.07 8.63(4.54-13.61)	93.5	849	
563.00 > 169.00	4.368	4.364	0.004	1.000	116635				678	
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.380	4.376	0.004	1.266	202864	1.05		84.4	864	
33 N-ethylperfluorooctanesulfonamid										
584.00 > 419.00	4.391	4.376	0.015	1.003	128977	0.8753		87.5	674	M
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.468	4.465	0.003	1.183	1374177	0.8058		85.5	2587	
D 36 13C2 PFDaA										
615.00 > 570.00	4.614	4.601	0.013	1.333	1288956	1.08		86.6	1379	M
37 Perfluorododecanoic acid										
613.00 > 569.00	4.614	4.601	0.013	1.000	1016996	0.9725	Target=6.97 6.97(3.48-10.45)	97.3	147	M
613.00 > 169.00	4.614	4.601	0.013	1.000	145920				827	M
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.634	4.622	0.012	1.128	85333	0.8914		92.5	608	M
75 Perfluorododecanesulfonic acid (										
699.00 > 80.00	4.787	4.776	0.011	1.267	161923	0.8439	Target=0.52 0.54(0.26-0.79)	87.2	1574	
699.00 > 99.00	4.787	4.776	0.011	1.267	302046				1603	
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.826	4.813	0.013	1.046	934565	1.03	Target=4.56 4.76(2.28-6.84)	103	156	M
663.00 > 169.00	4.826	4.813	0.013	1.046	196412				1068	M
D 43 13C2 PFTeDA										
715.00 > 670.00	5.023	5.012	0.011	1.452	1186855	1.22		97.6	4832	
42 Perfluorotetradecanoic acid										
713.00 > 169.00	5.023	5.012	0.011	1.000	146503	0.9631	Target=0.94 0.98(0.47-1.41)	96.3	1367	
713.00 > 219.00	5.023	5.012	0.011	1.000	148974				956	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	5.390	5.366	0.024	1.558	1266733	1.14		91.4	1770	M
45 Perfluorohexadecanoic acid										
813.00 > 769.00	5.390	5.378	0.012	1.000	960205	1.04	Target=4.38	104	242	
813.00 > 169.00	5.390	5.378	0.012	1.000	210518		4.56(2.19-6.57)		1758	
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.741	5.713	0.028	1.065	638004	0.9469	Target=4.31	94.7	179	M
913.00 > 169.00	5.732	5.713	0.019	1.064	140693		4.53(2.16-6.47)		632	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B03.d

Injection Date: 11-Aug-2022 18:47:31

Instrument ID: LC812

Lims ID: LCS 200-182554/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

3

Worklist Smp#:

3

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

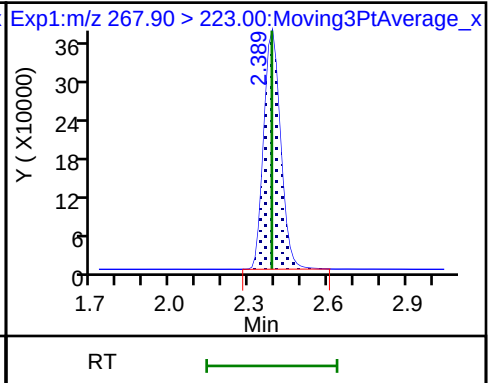
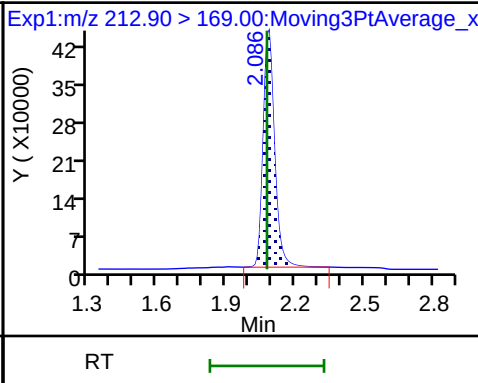
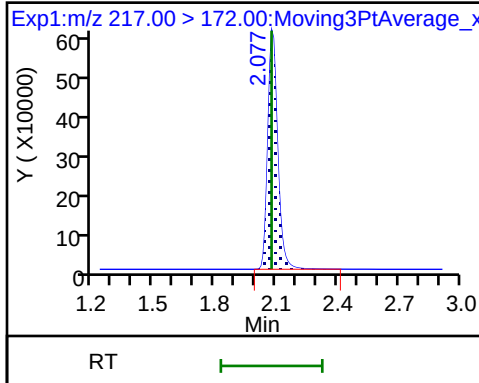
Limit Group:

LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid

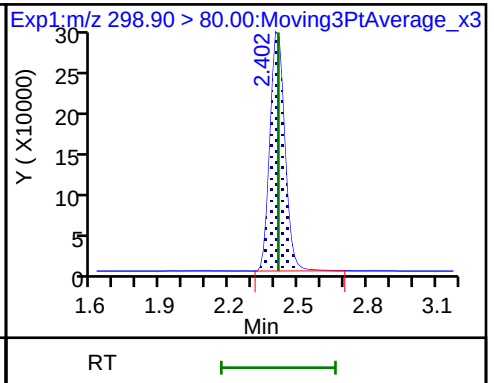
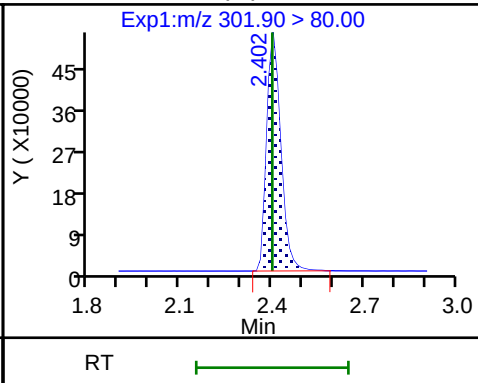
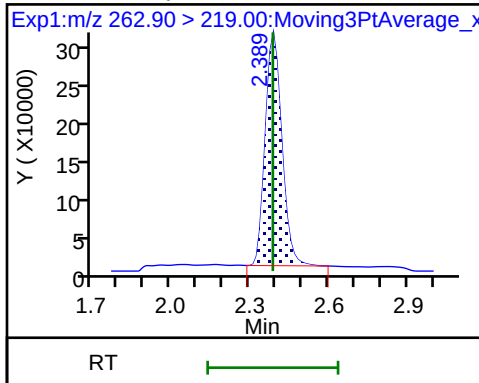
D 3 13C5 PFPeA



4 Perfluoropentanoic acid

D 47 13C3 PFBS (M)

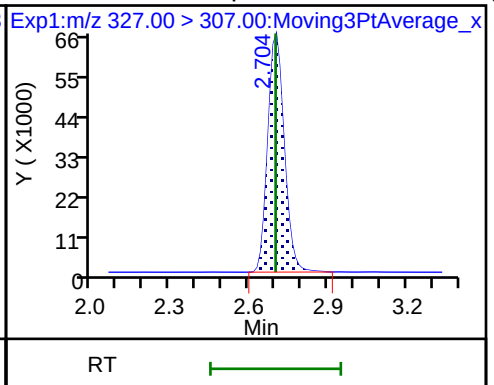
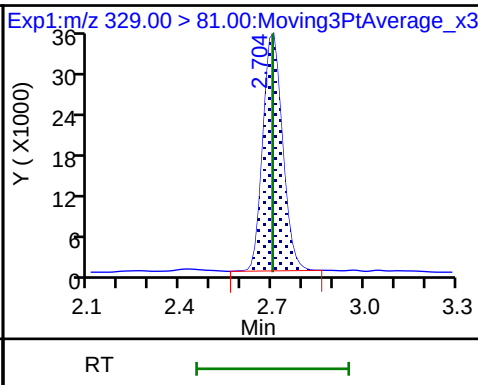
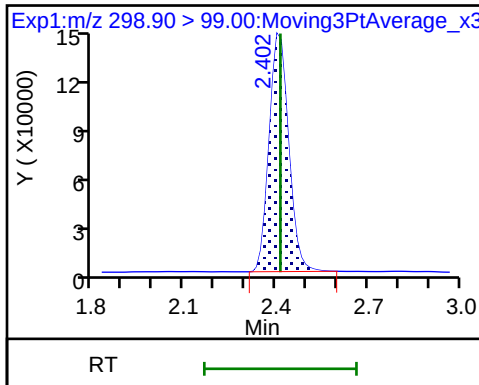
5 Perfluorobutanesulfonic acid



5 Perfluorobutanesulfonic acid

D 60 M2-4:2 FTS

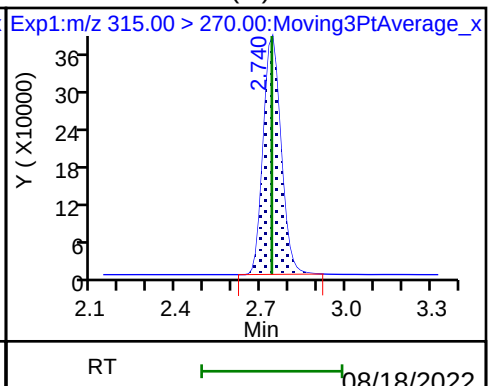
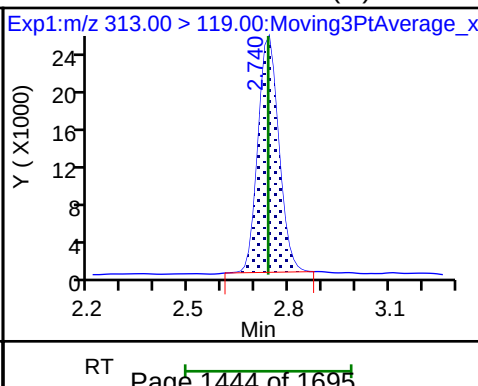
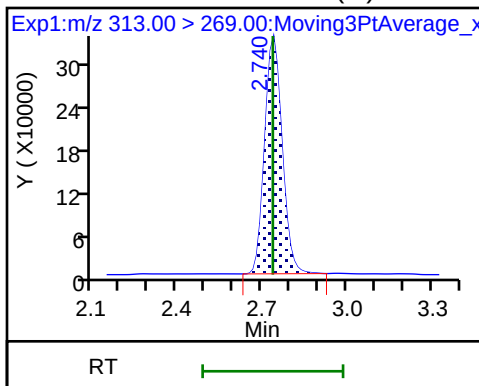
61 1H,1H,2H,2H-perfluorohexanesulfo (M)



6 Perfluorohexanoic acid (M)

6 Perfluorohexanoic acid (M)

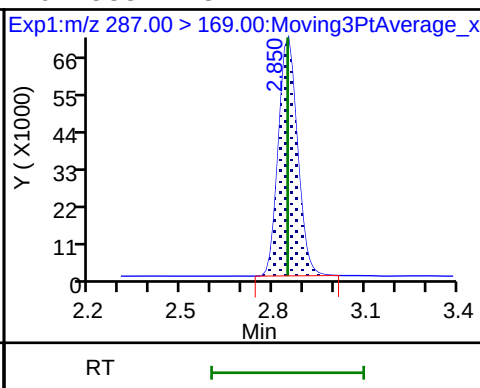
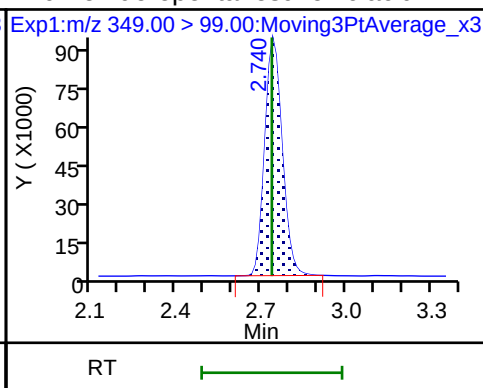
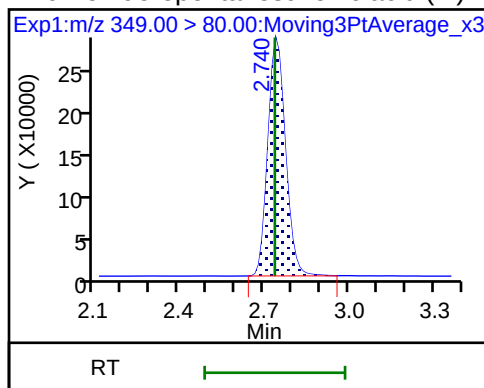
D 7 13C2 PFHxA (M)



70 Perfluoropentanesulfonic acid (M)

70 Perfluoropentanesulfonic acid

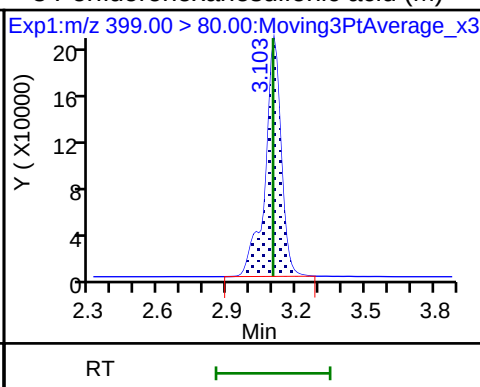
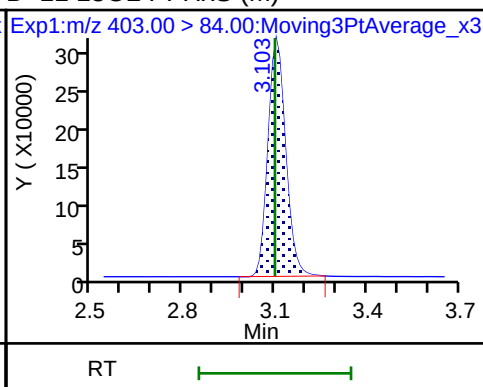
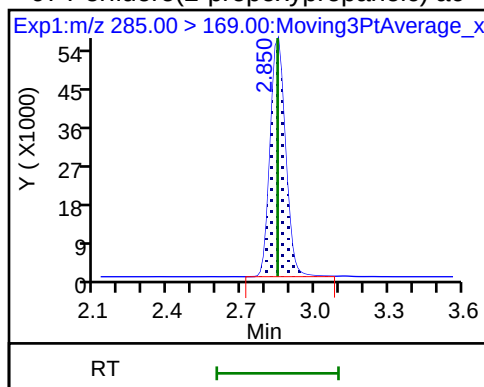
D 64 13C3 HFPO-DA



67 Perfluoro(2-propoxypropanoic) ac

D 11 18O2 PFHxS (M)

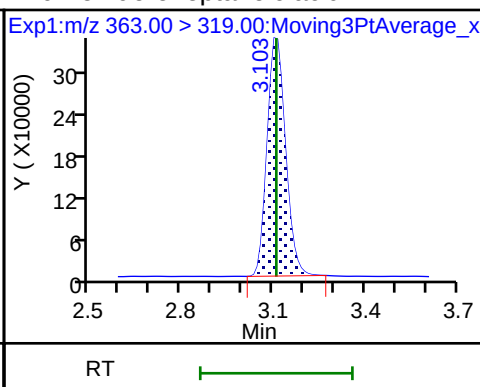
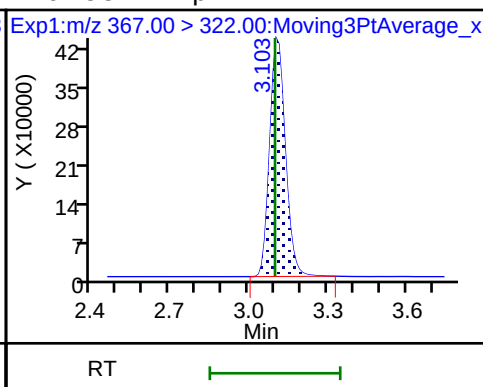
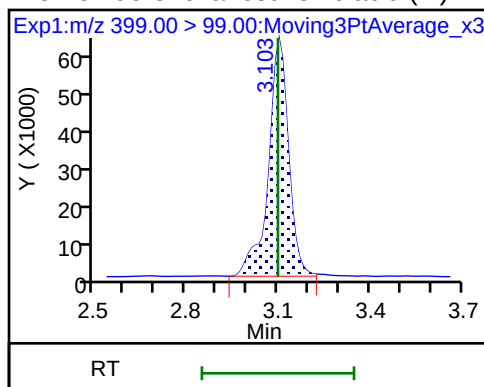
8 Perfluorohexanesulfonic acid (M)



8 Perfluorohexanesulfonic acid (M)

D 9 13C4 PFHpa

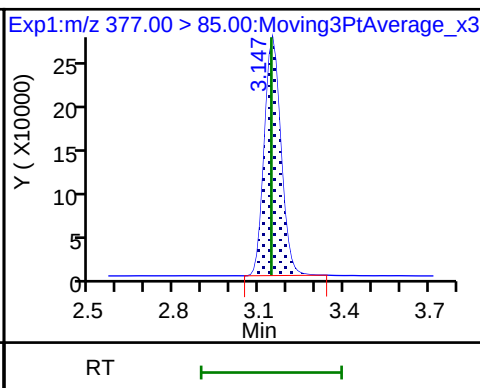
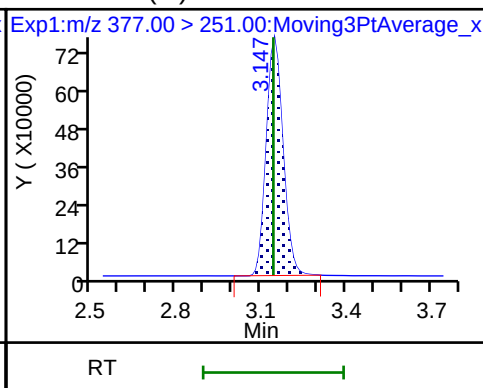
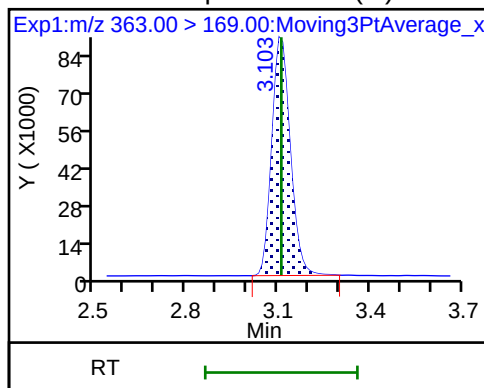
10 Perfluoroheptanoic acid



10 Perfluoroheptanoic acid (M)

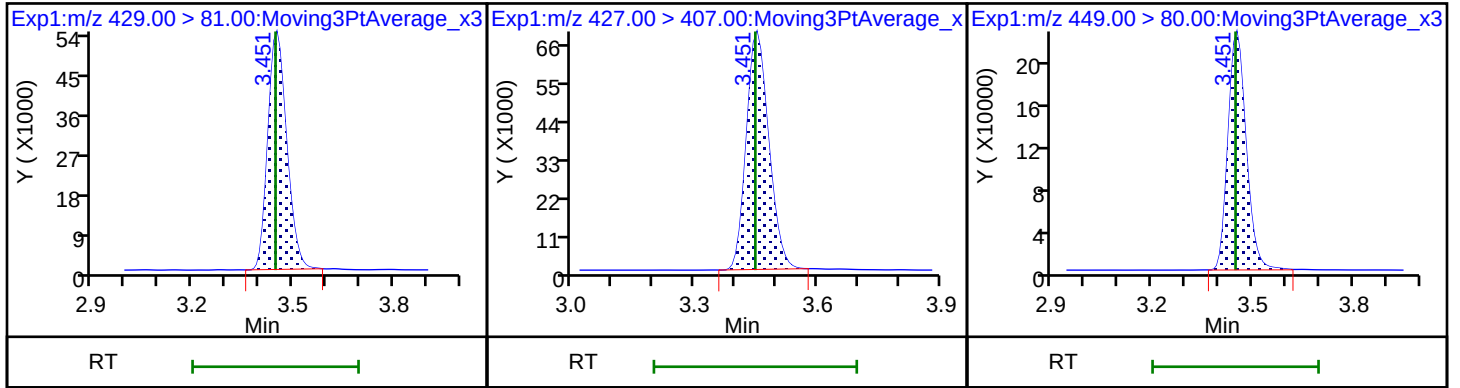
77 DONA (M)

77 DONA



D 12 M2-6:2 FTS (M)

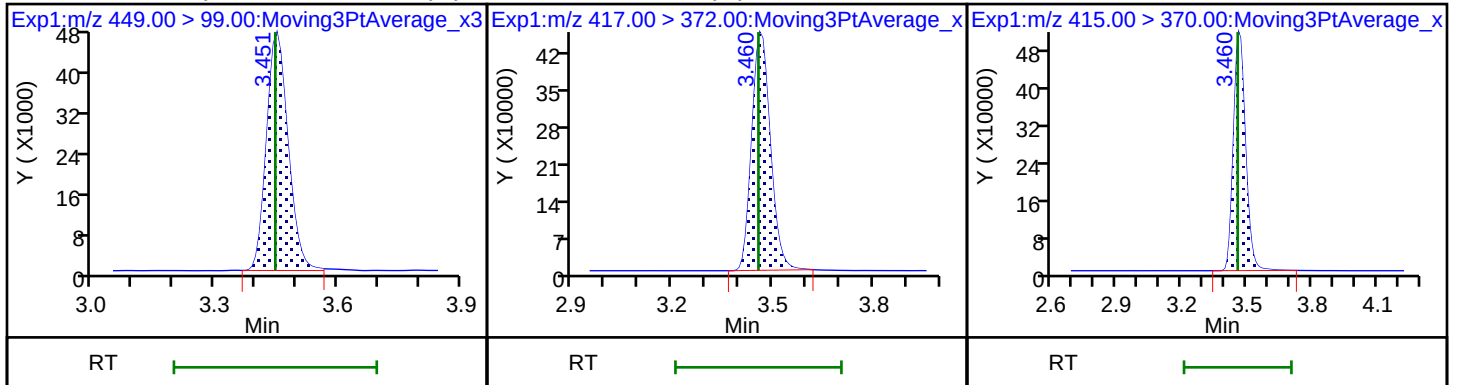
13 1H,1H,2H,2H-perfluorooctanesulfo (M) 16 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M)

D 14 13C4 PFOA (M)

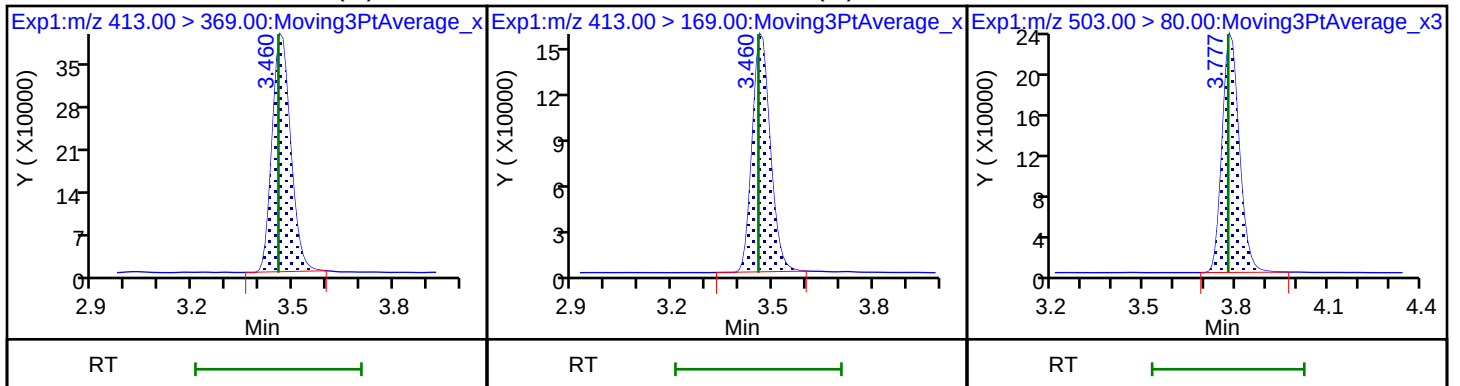
* 62 13C2 PFOA



15 Perfluorooctanoic acid (M)

15 Perfluorooctanoic acid (M)

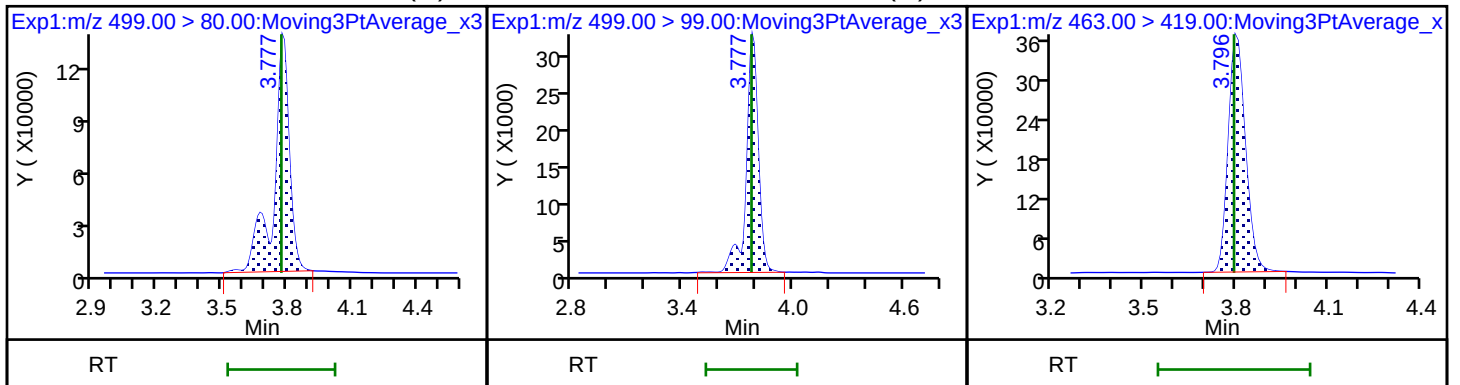
D 18 13C4 PFOS

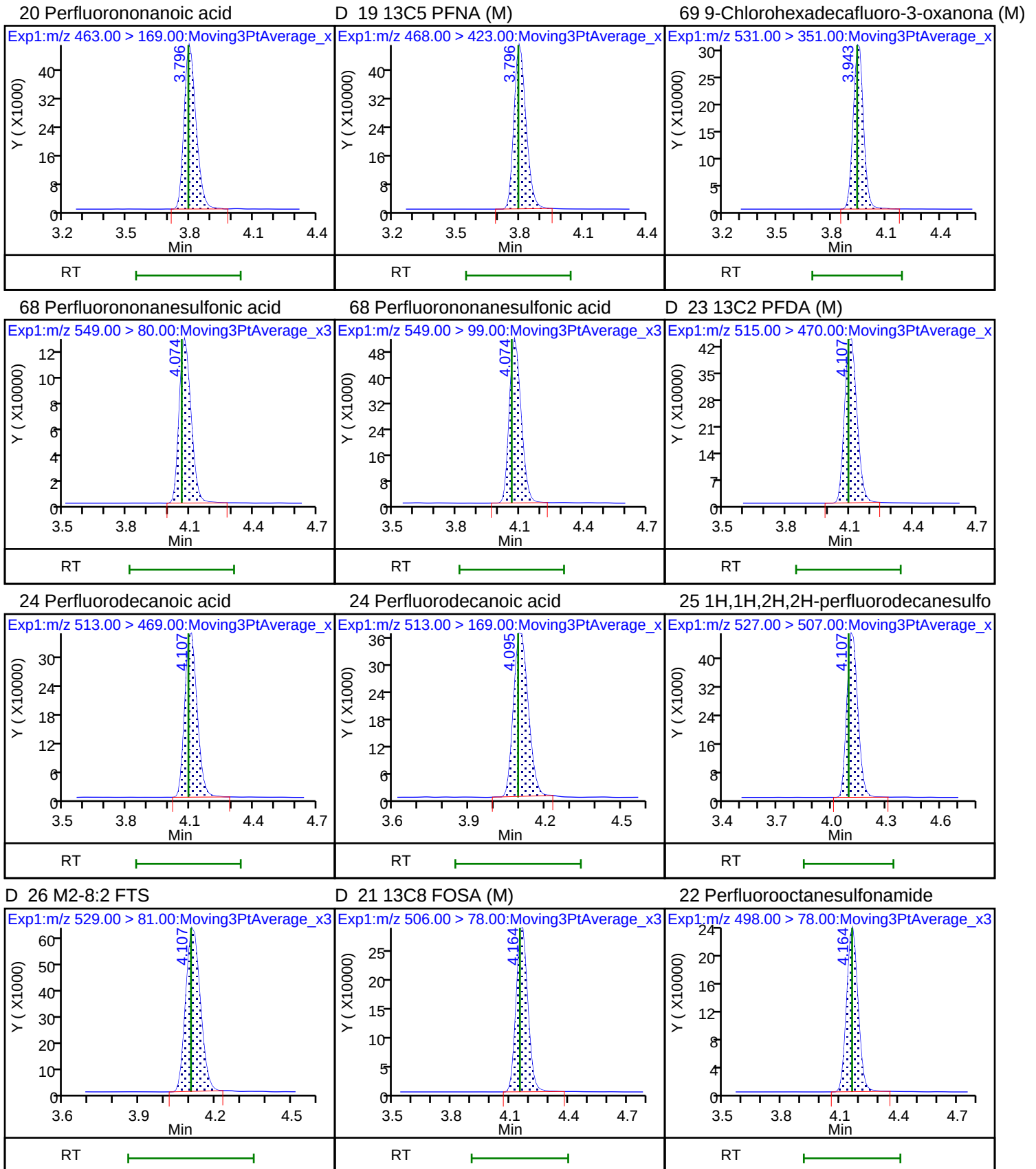


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

20 Perfluorononanoic acid

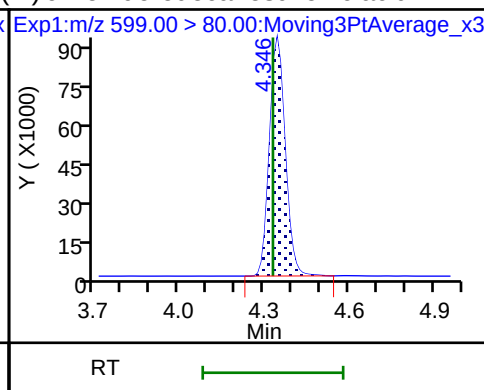
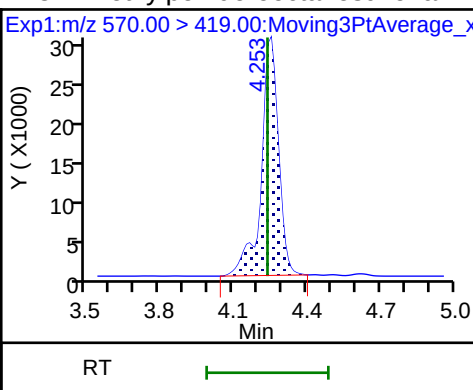
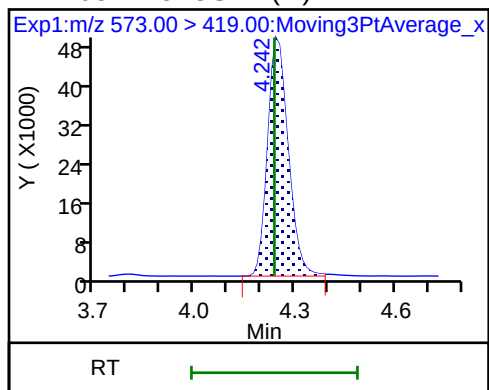




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami (M)

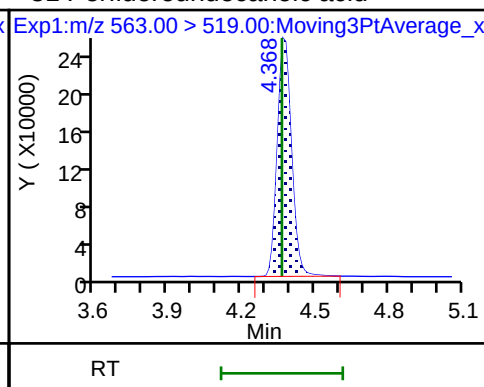
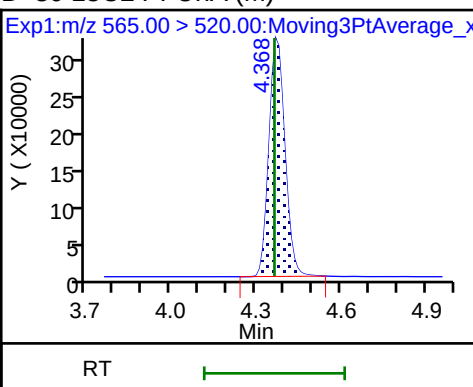
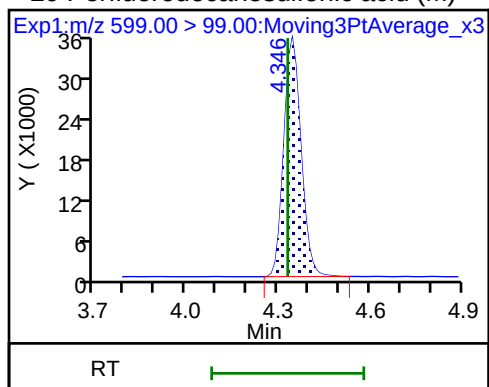
29 Perfluorodecanesulfonic acid



29 Perfluorodecanesulfonic acid (M)

D 30 13C2 PFUnA (M)

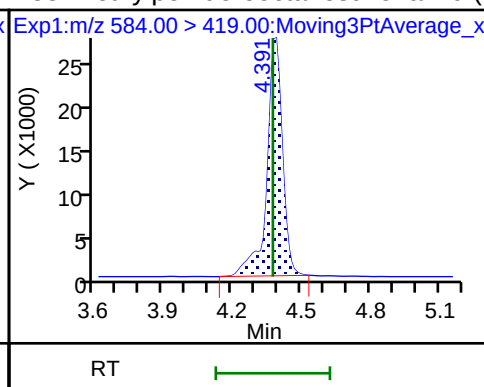
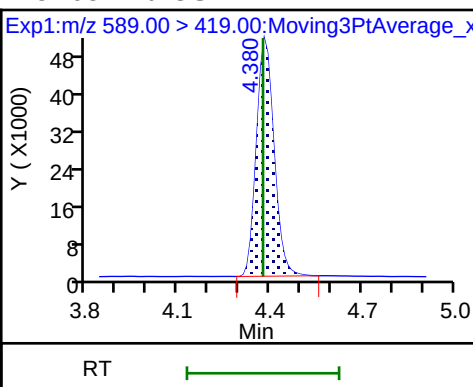
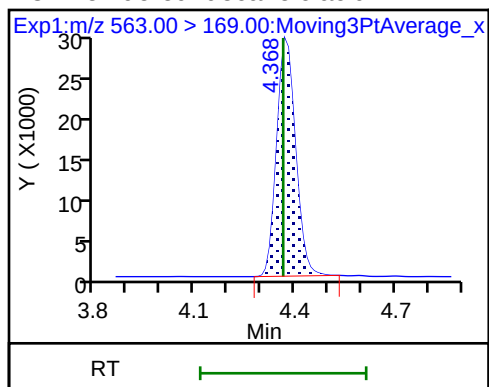
31 Perfluoroundecanoic acid



31 Perfluoroundecanoic acid

D 32 d5-NEtFOSAA

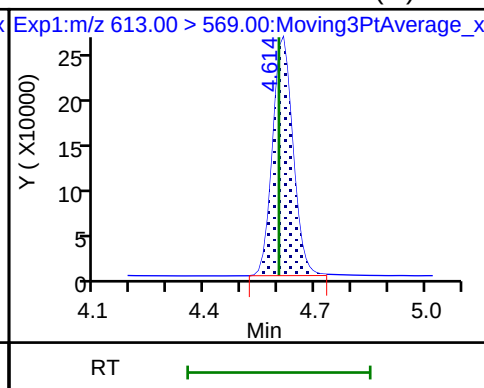
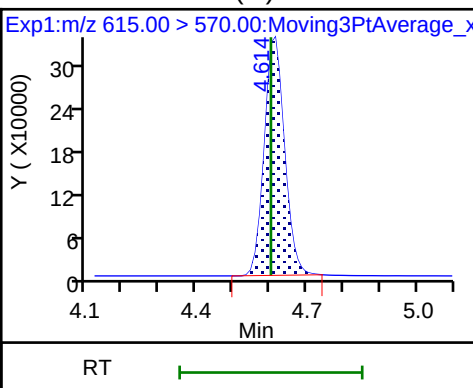
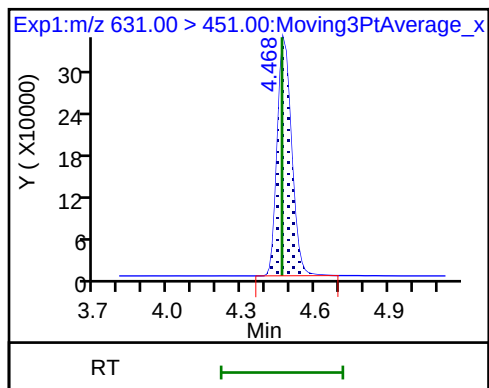
33 N-ethylperfluorooctanesulfonamid (M)

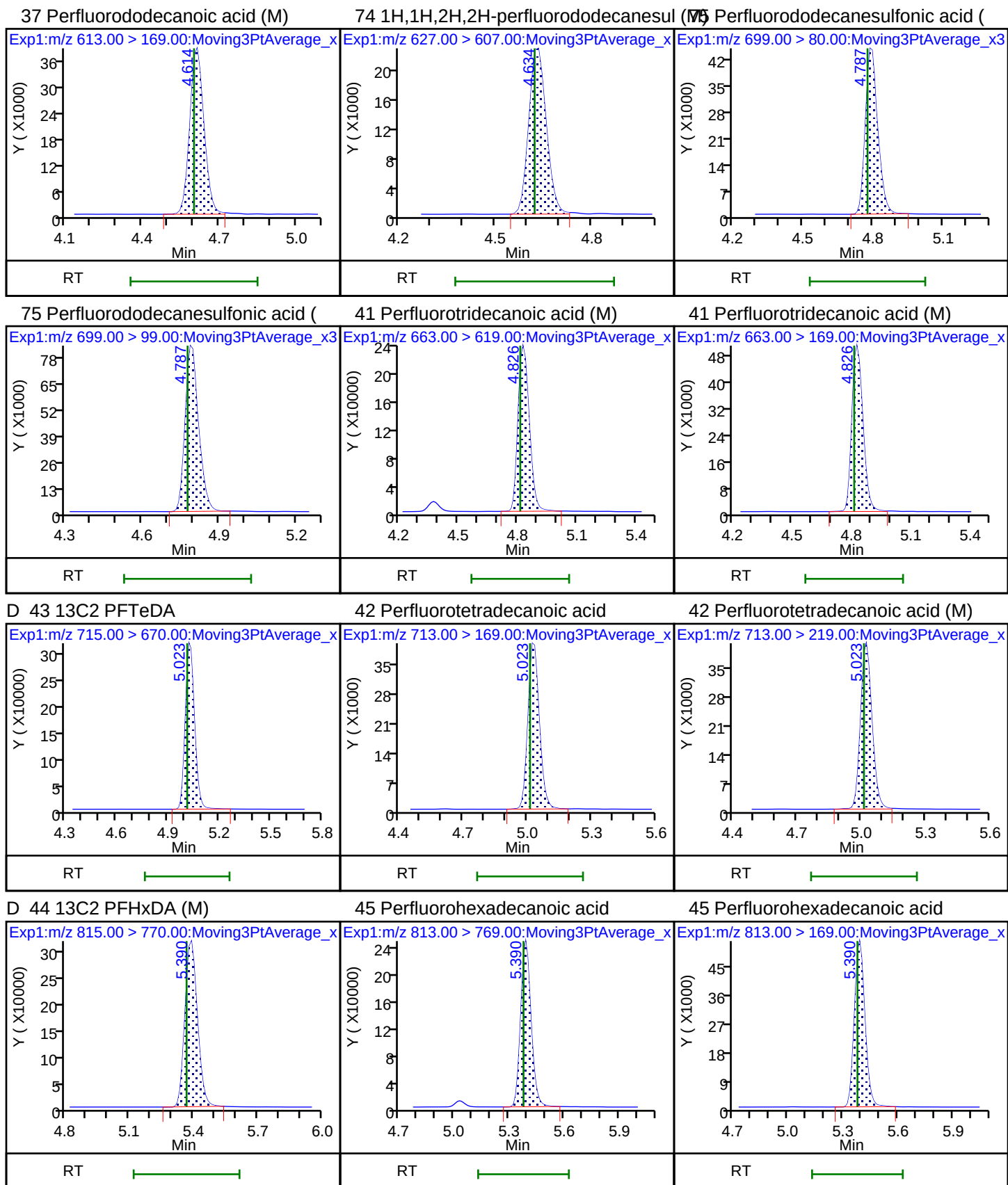


66 11-Chloroeicosafluoro-3-oxaundec

D 36 13C2 PFDaA (M)

37 Perfluorododecanoic acid (M)



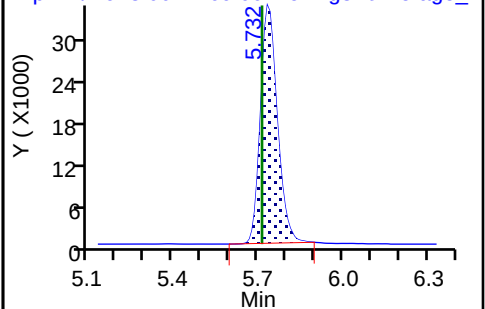
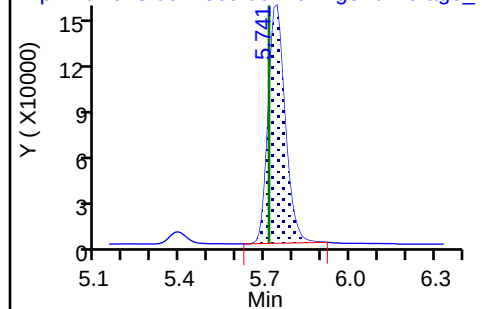


46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)

Exp1:m/z 913.00 > 869.00:Moving3PtAverage_x

Exp1:m/z 913.00 > 169.00:Moving3PtAverage_x



RT

RT

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B03.d

Injection Date: 11-Aug-2022 18:47:31

Instrument ID: LC812

Lims ID: LCS 200-182554/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

3

Worklist Smp#: 3

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

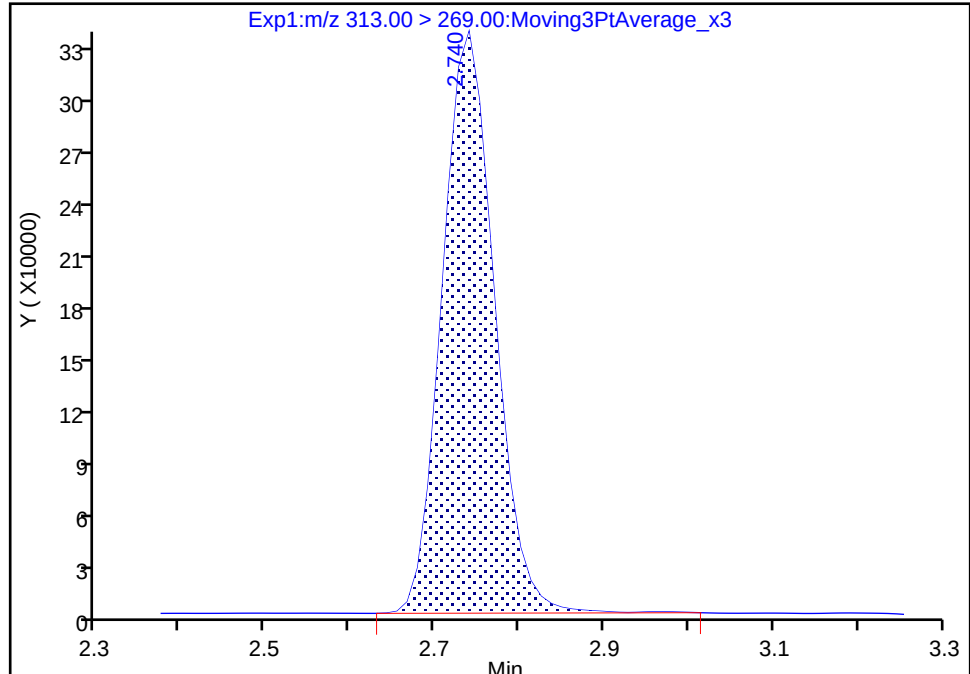
Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

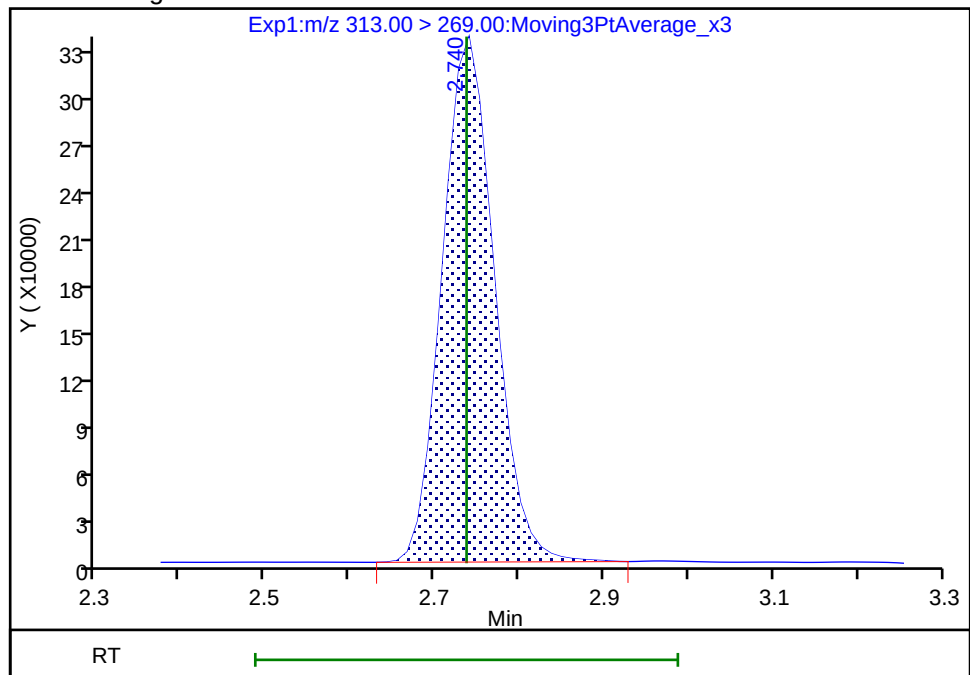
RT: 2.74
Area: 1420986
Amount: 1.008013
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 1417576
Amount: 1.010463
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:18:37

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

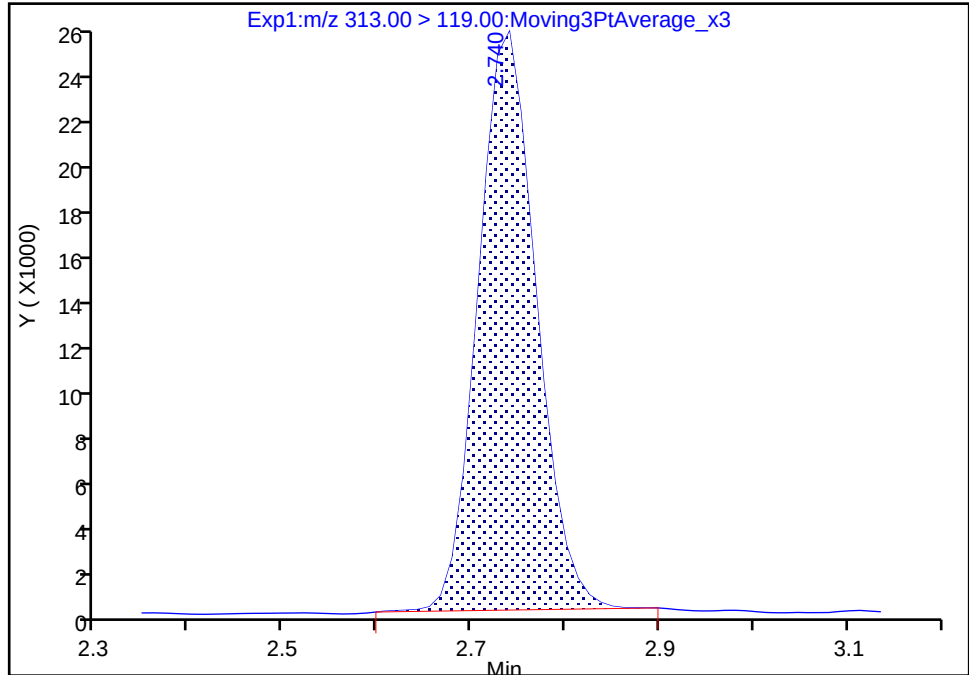
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B03.d
Injection Date: 11-Aug-2022 18:47:31 Instrument ID: LC812
Lims ID: LCS 200-182554/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

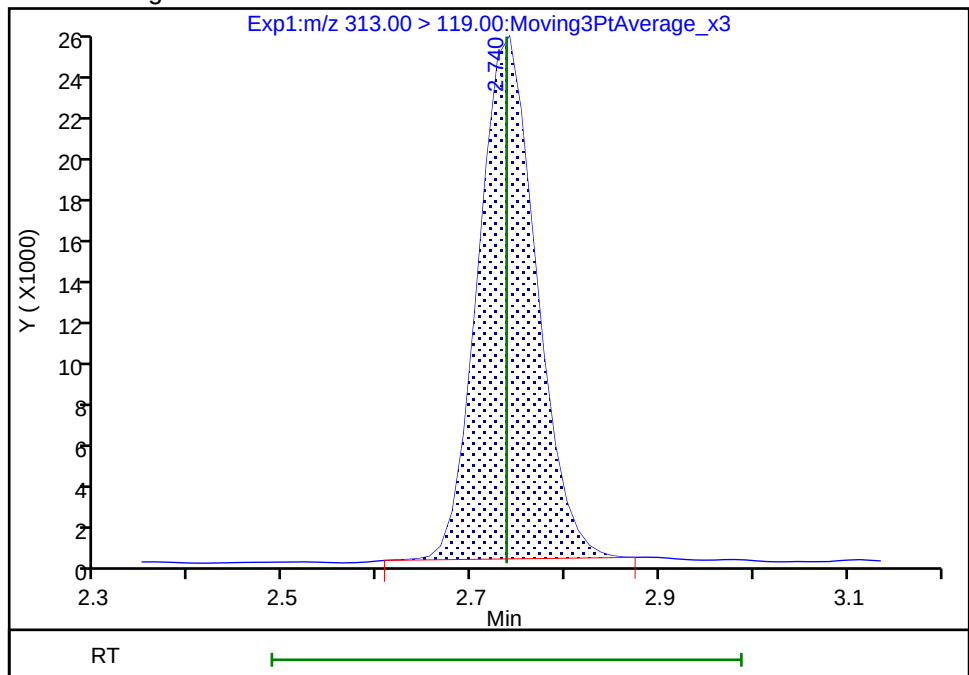
RT: 2.74
Area: 108287
Amount: 1.008013
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 107917
Amount: 1.010463
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:18:46

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B03.d

Injection Date: 11-Aug-2022 18:47:31

Instrument ID: LC812

Lims ID: LCS 200-182554/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

3

Worklist Smp#: 3

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

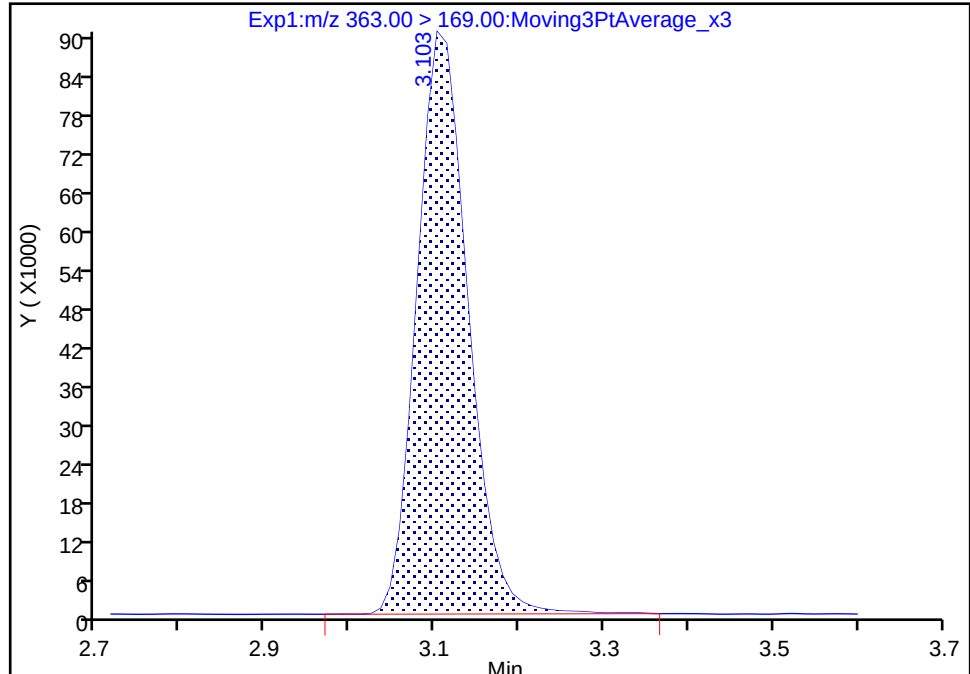
Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

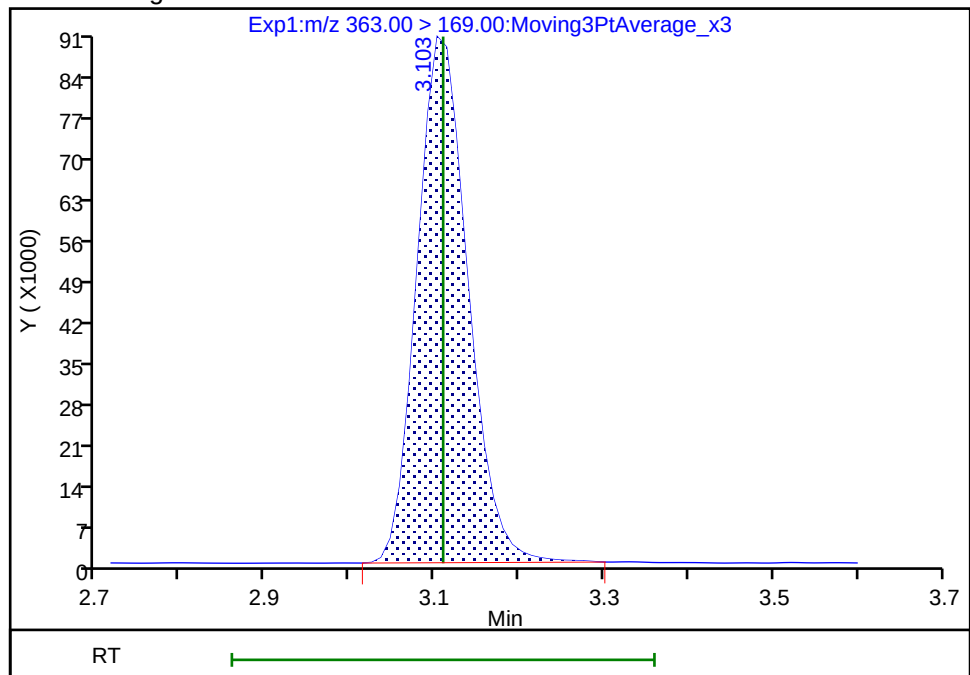
RT: 3.10
Area: 376658
Amount: 0.956065
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 375286
Amount: 0.956065
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:19:31

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B03.d

Injection Date: 11-Aug-2022 18:47:31

Instrument ID: LC812

Lims ID: LCS 200-182554/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

3

Worklist Smp#: 3

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

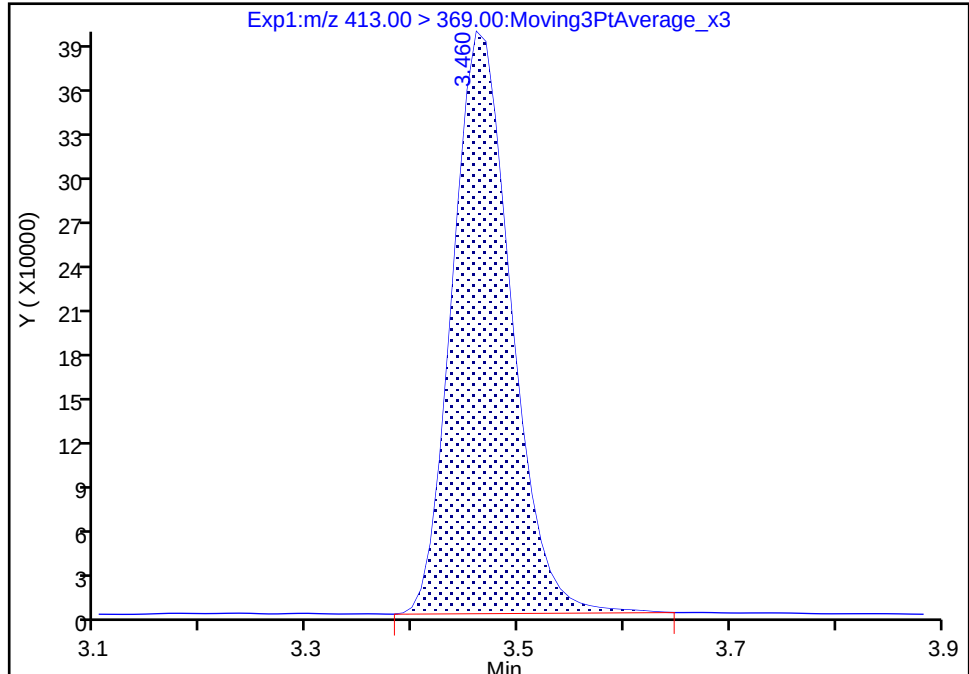
Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

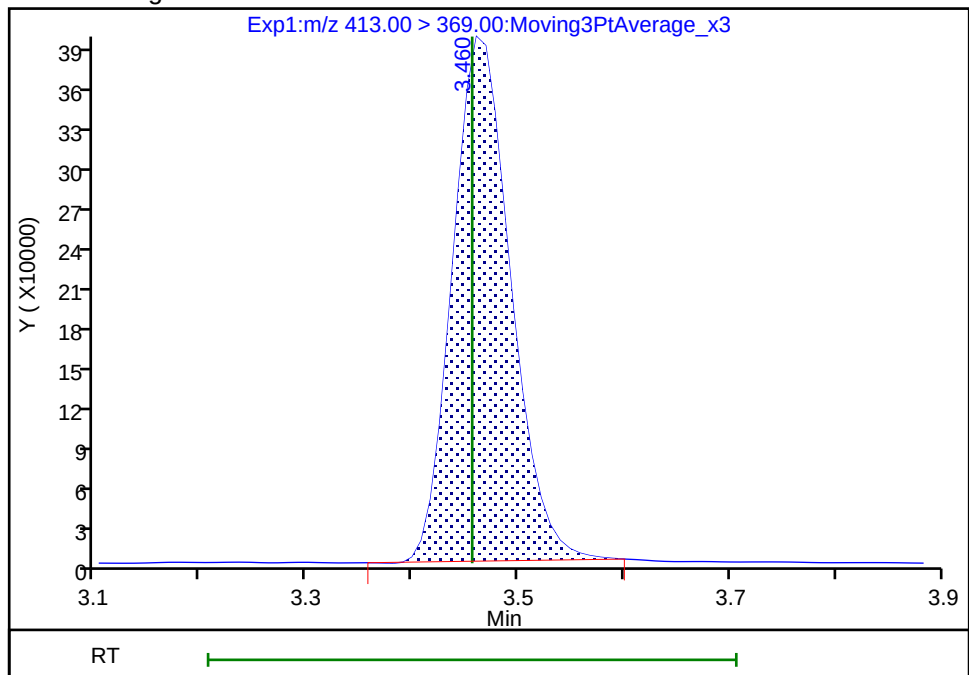
RT: 3.46
Area: 1525278
Amount: 0.953125
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 1504587
Amount: 0.950202
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 09:42:34

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B03.d

Injection Date: 11-Aug-2022 18:47:31

Instrument ID: LC812

Lims ID: LCS 200-182554/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

3

Worklist Smp#: 3

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

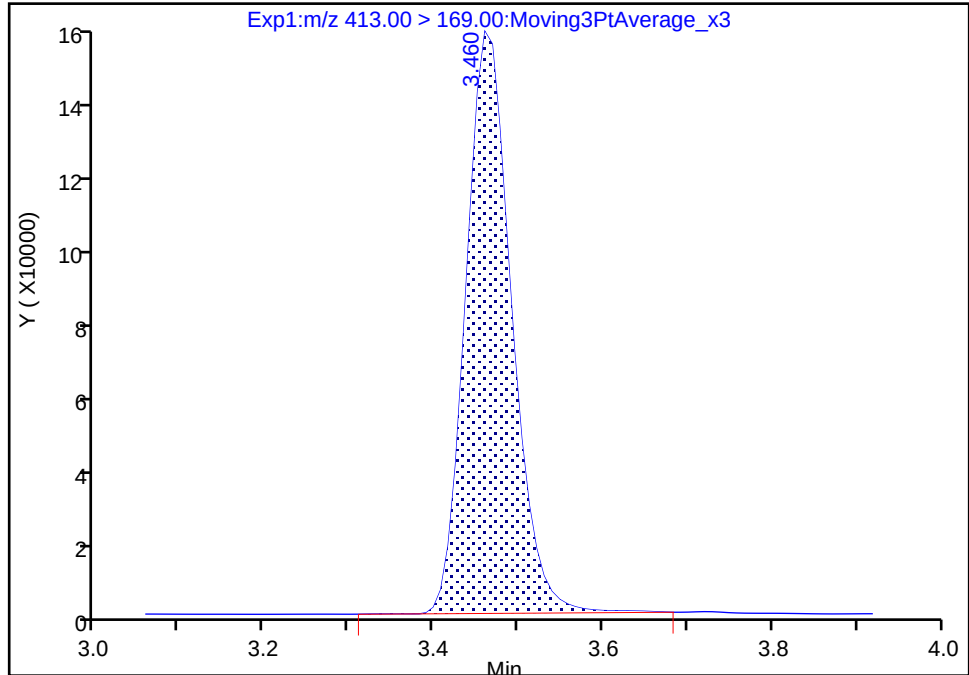
EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

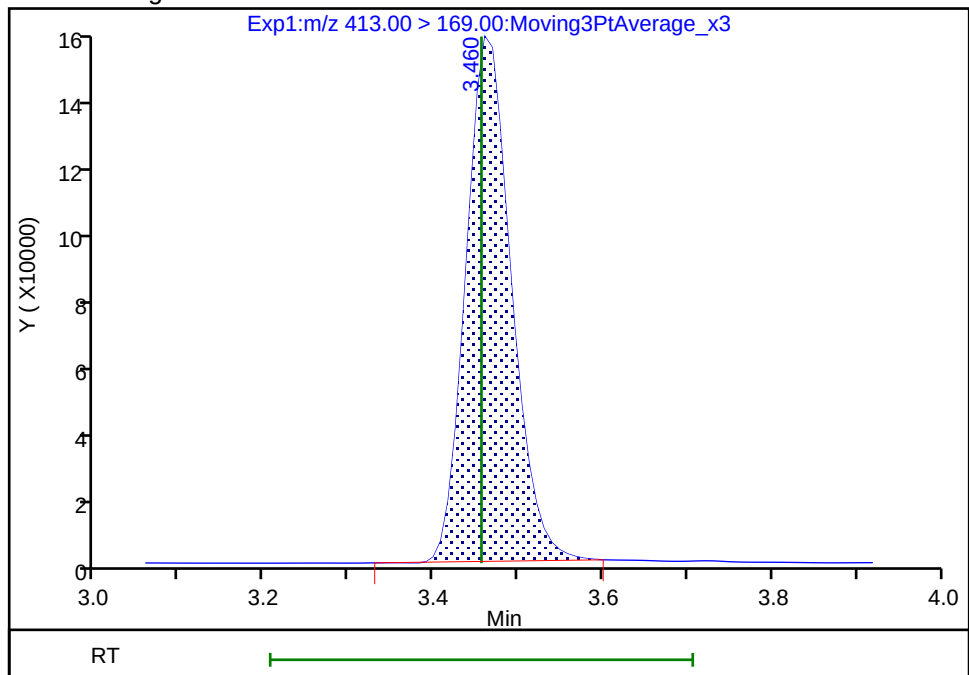
RT: 3.46
Area: 569838
Amount: 0.953125
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 563258
Amount: 0.950202
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 09:42:38

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B03.d

Injection Date: 11-Aug-2022 18:47:31

Instrument ID: LC812

Lims ID: LCS 200-182554/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

3

Worklist Smp#: 3

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

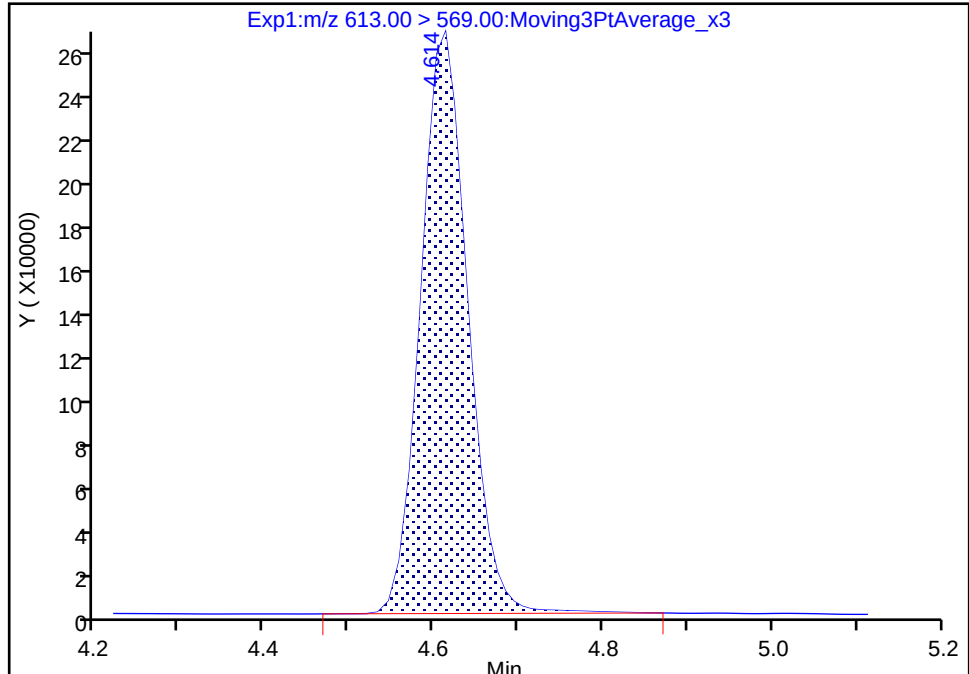
Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

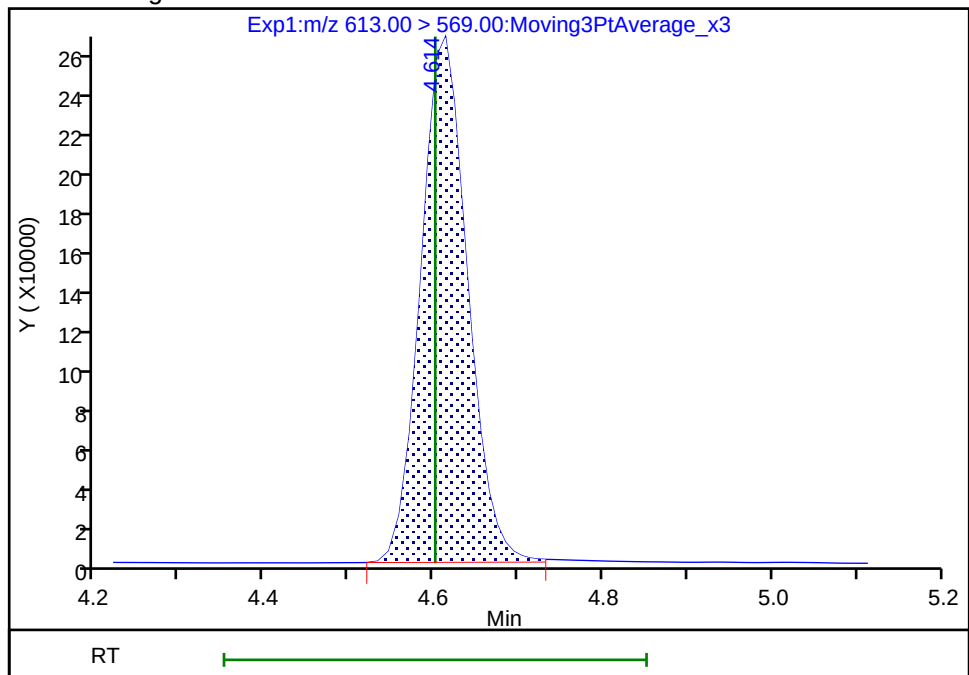
RT: 4.61
Area: 1023219
Amount: 0.968332
Amount Units: ng/ml

Processing Integration Results



RT: 4.61
Area: 1016996
Amount: 0.972516
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:21:38

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B03.d

Injection Date: 11-Aug-2022 18:47:31

Instrument ID: LC812

Lims ID: LCS 200-182554/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

3

Worklist Smp#: 3

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

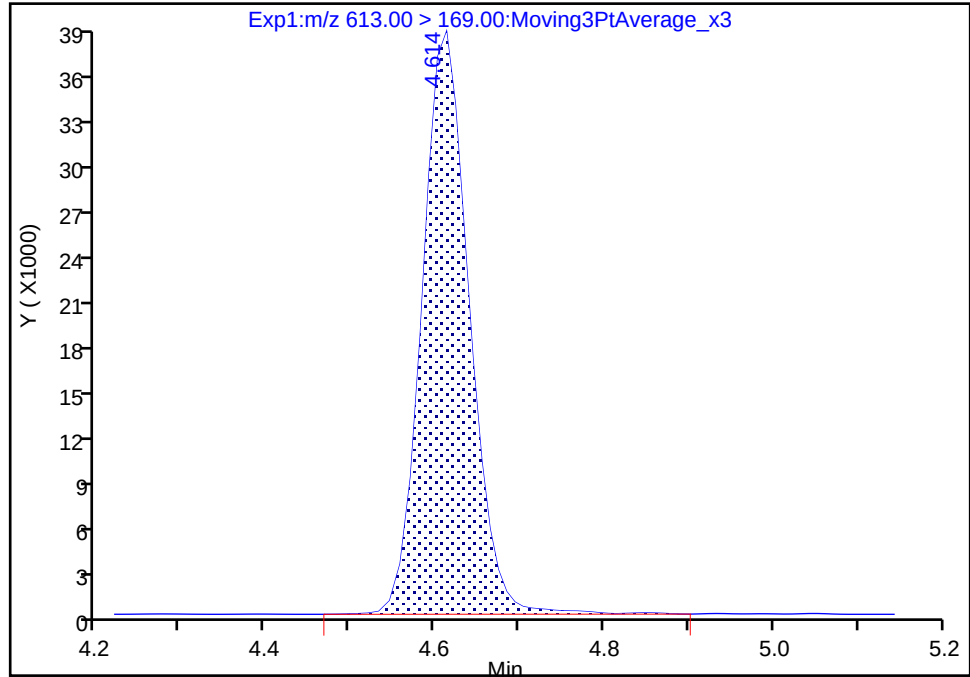
EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

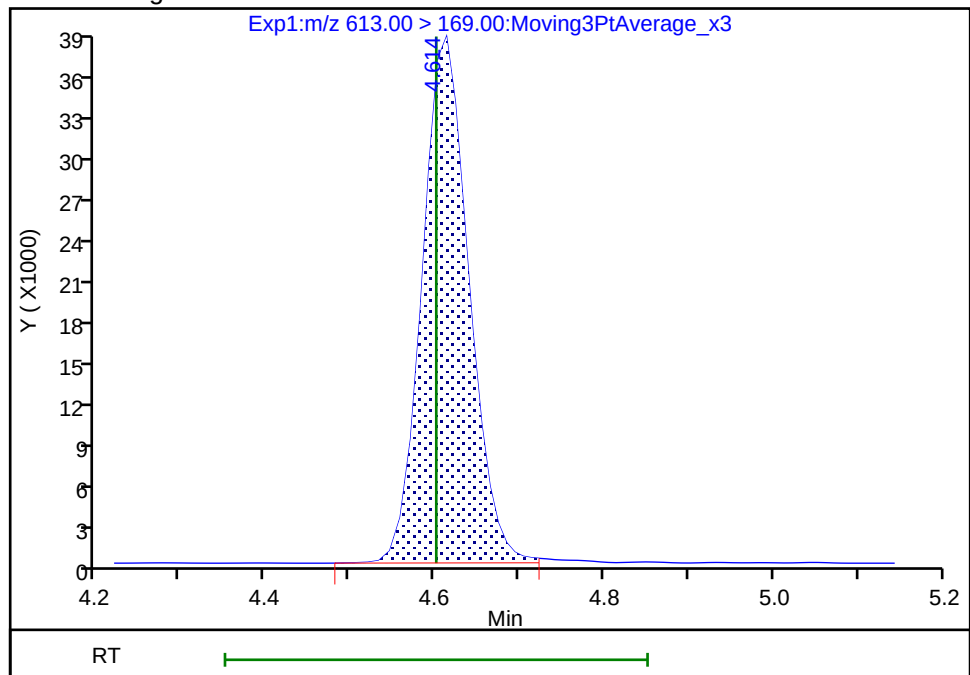
RT: 4.61
Area: 147321
Amount: 0.968332
Amount Units: ng/ml

Processing Integration Results



RT: 4.61
Area: 145920
Amount: 0.972516
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:21:46

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

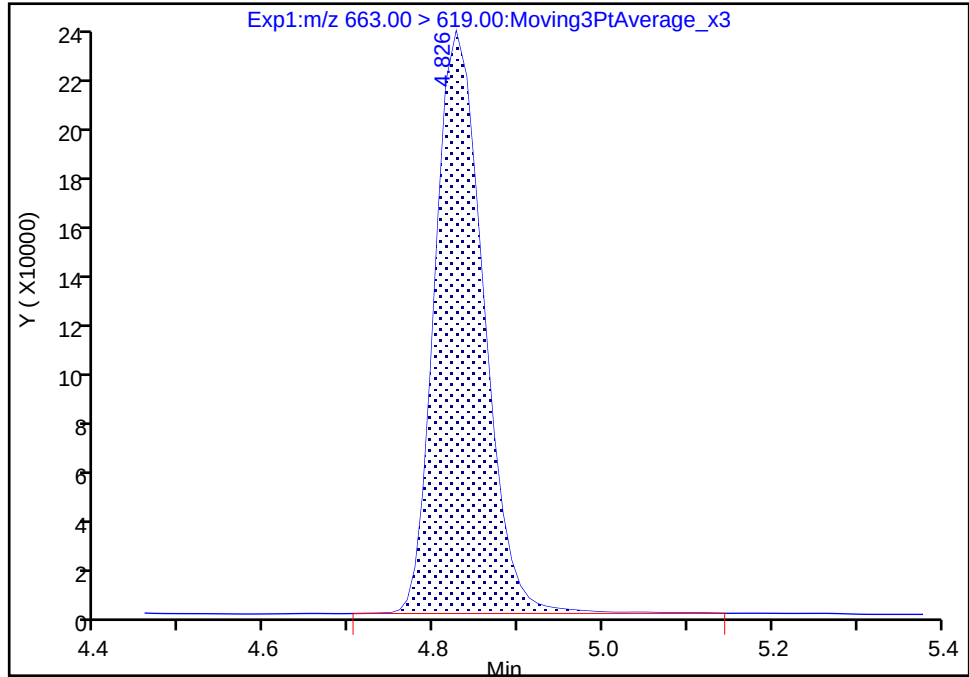
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B03.d
Injection Date: 11-Aug-2022 18:47:31 Instrument ID: LC812
Lims ID: LCS 200-182554/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

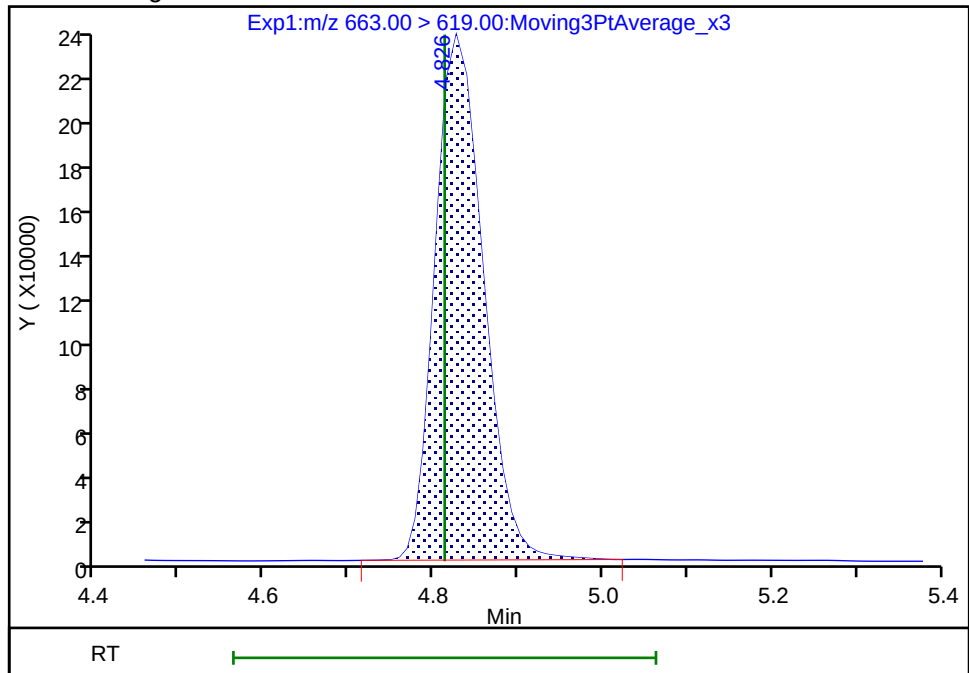
RT: 4.83
Area: 940202
Amount: 1.026419
Amount Units: ng/ml

Processing Integration Results



RT: 4.83
Area: 934565
Amount: 1.030944
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:22:05
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1458 of 1695

08/18/2022

Eurofins Burlington

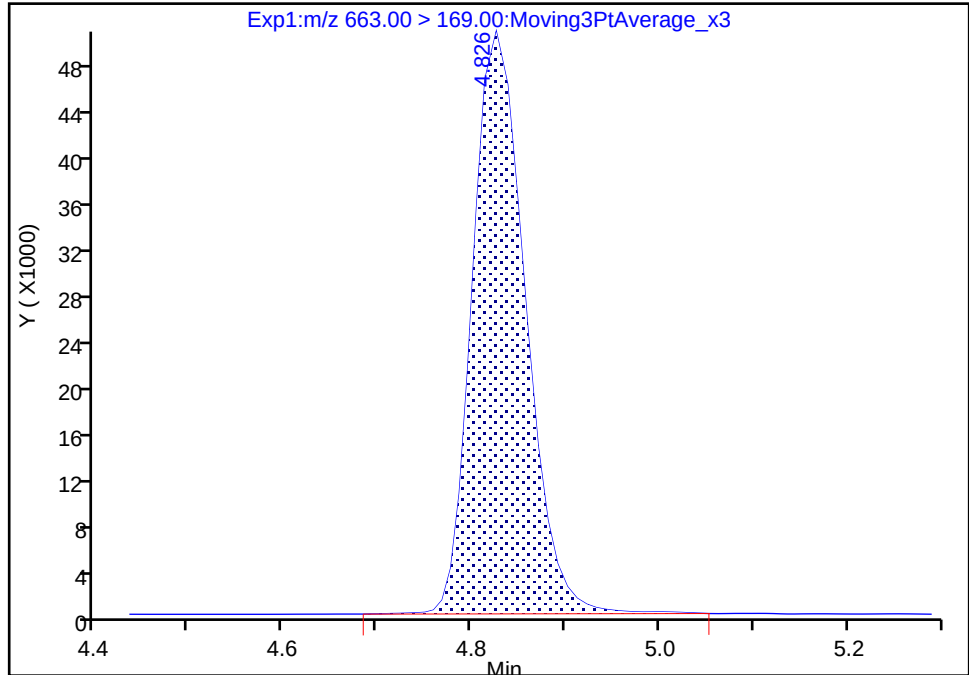
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B03.d
Injection Date: 11-Aug-2022 18:47:31 Instrument ID: LC812
Lims ID: LCS 200-182554/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

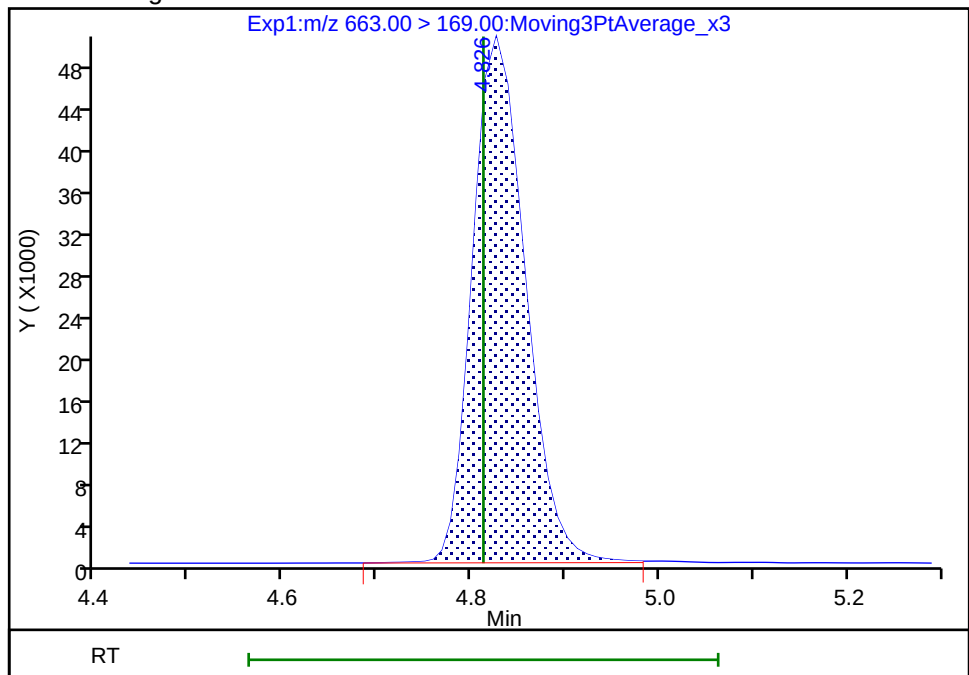
RT: 4.83
Area: 196806
Amount: 1.026419
Amount Units: ng/ml

Processing Integration Results



RT: 4.83
Area: 196412
Amount: 1.030944
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:22:11

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B03.d

Injection Date: 11-Aug-2022 18:47:31

Instrument ID: LC812

Lims ID: LCS 200-182554/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

3

Worklist Smp#: 3

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

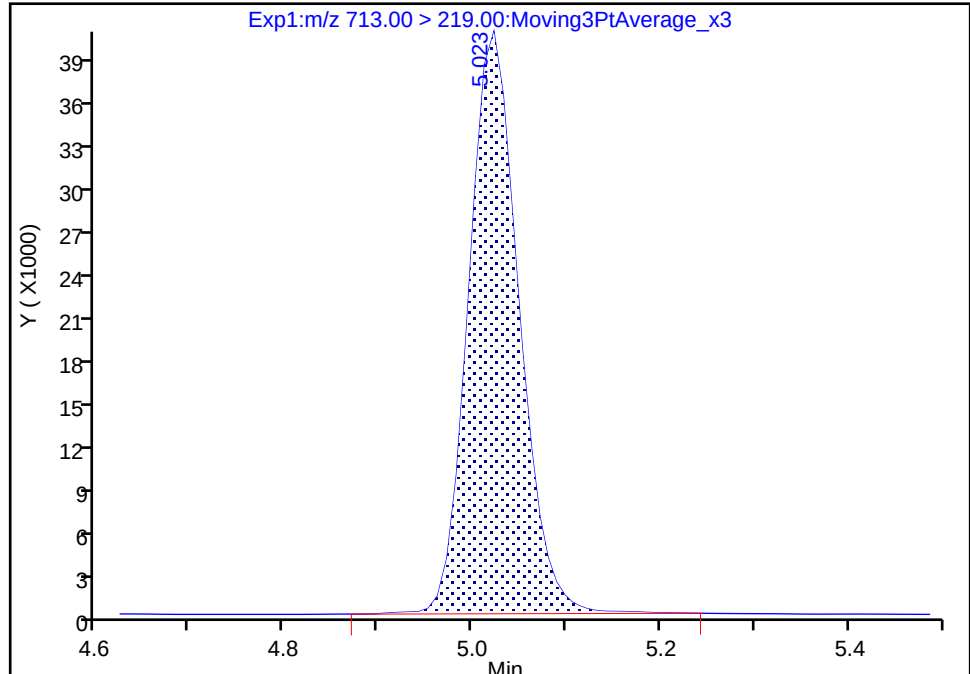
Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

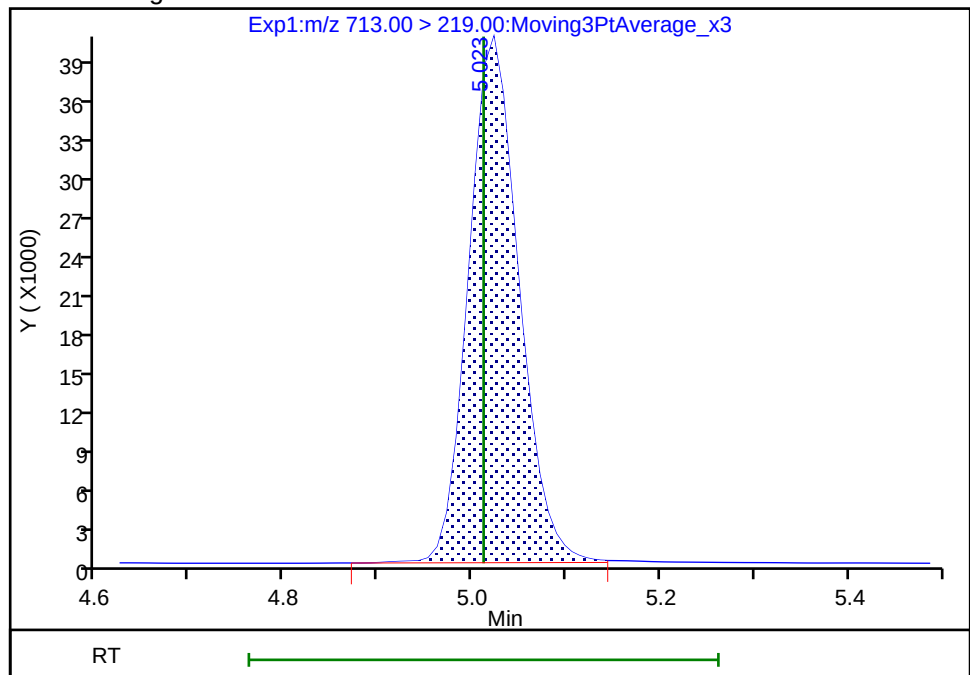
RT: 5.02
Area: 149354
Amount: 0.963088
Amount Units: ng/ml

Processing Integration Results



RT: 5.02
Area: 148974
Amount: 0.963088
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:22:18

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B03.d

Injection Date: 11-Aug-2022 18:47:31

Instrument ID: LC812

Lims ID: LCS 200-182554/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

3

Worklist Smp#: 3

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

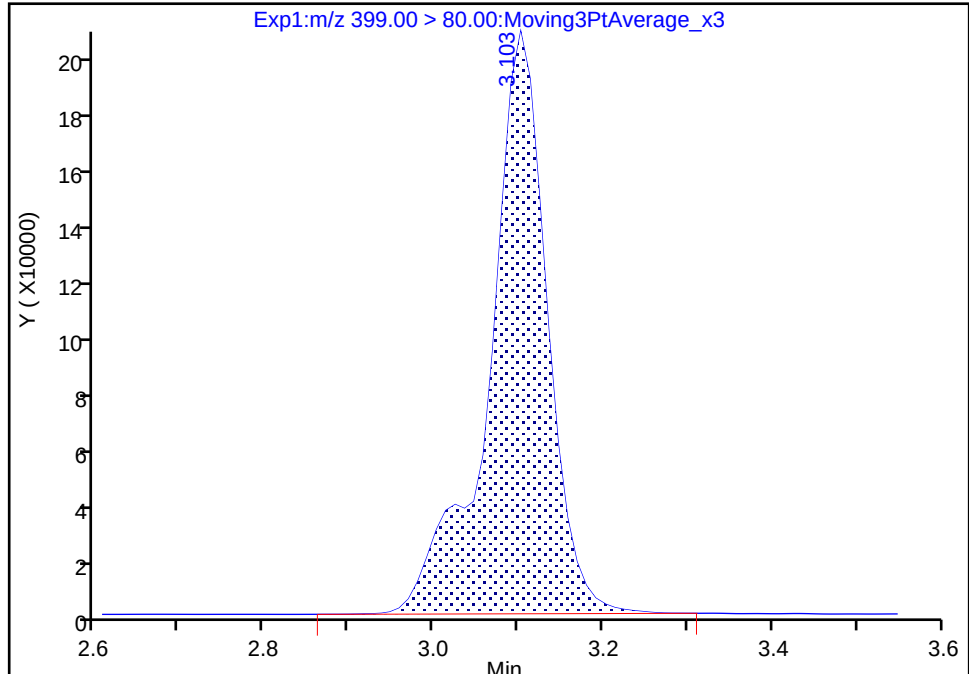
Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

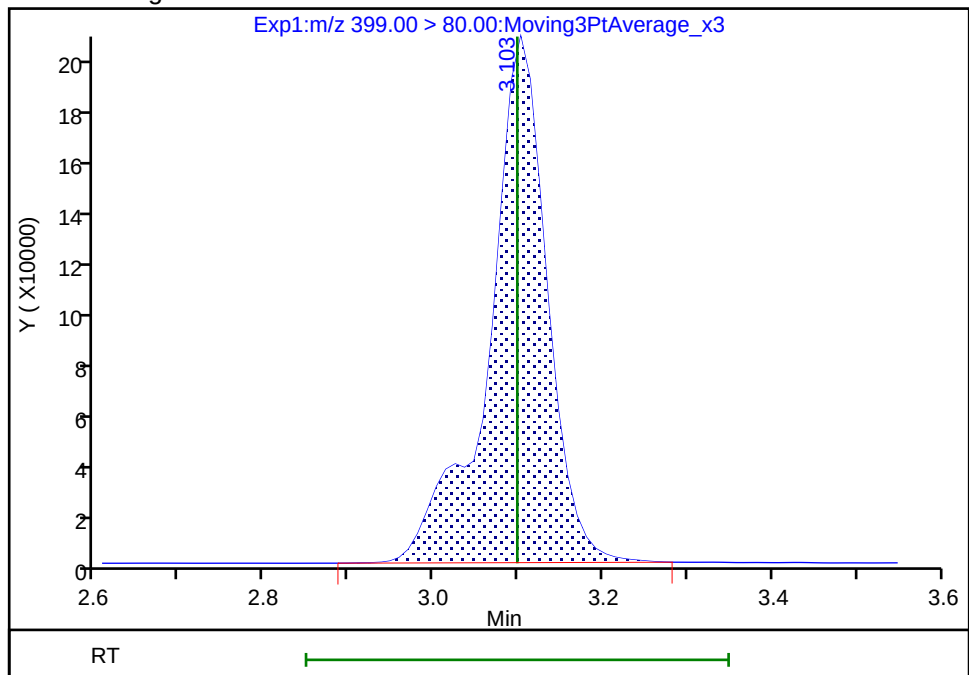
RT: 3.10
Area: 996300
Amount: 0.857430
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 995550
Amount: 0.861820
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:19:14

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B03.d

Injection Date: 11-Aug-2022 18:47:31

Instrument ID: LC812

Lims ID: LCS 200-182554/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

3

Worklist Smp#: 3

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

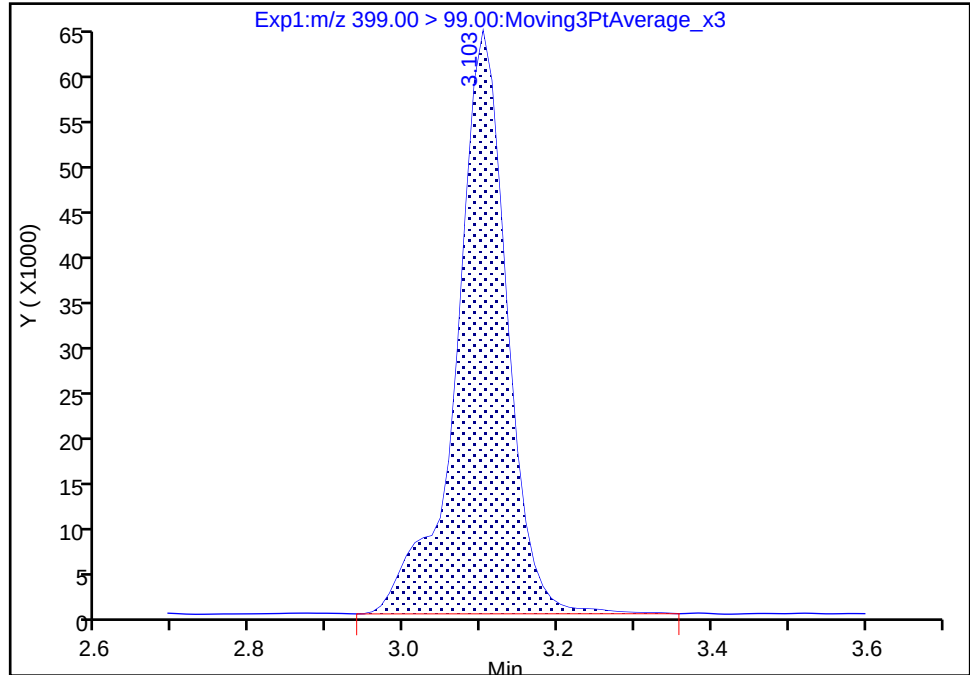
EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

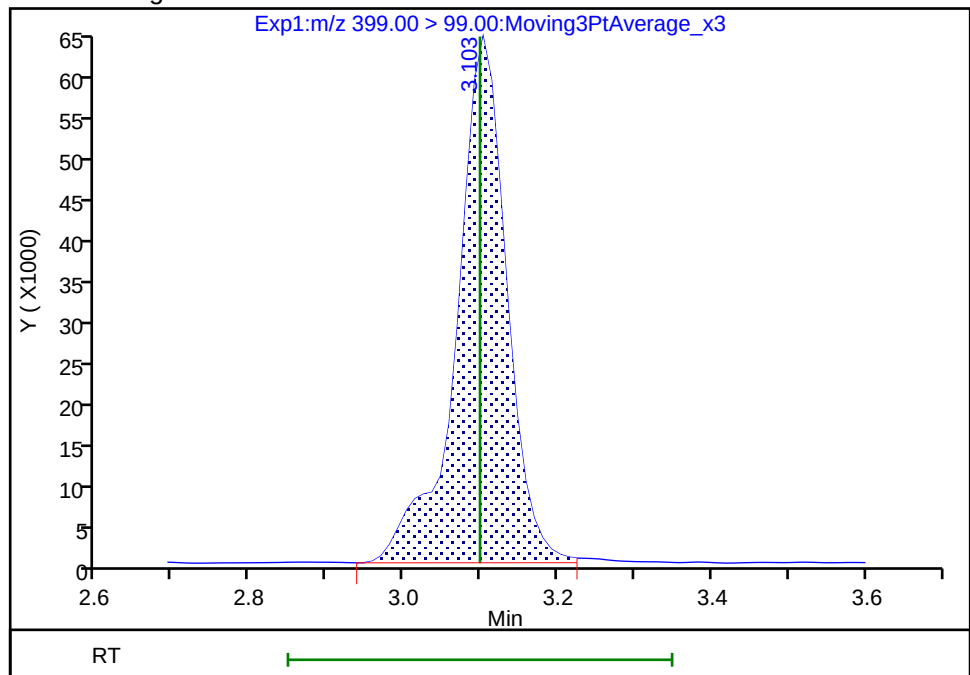
RT: 3.10
Area: 292864
Amount: 0.857430
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 290988
Amount: 0.861820
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:19:21

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B03.d

Injection Date: 11-Aug-2022 18:47:31

Instrument ID: LC812

Lims ID: LCS 200-182554/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

3

Worklist Smp#: 3

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

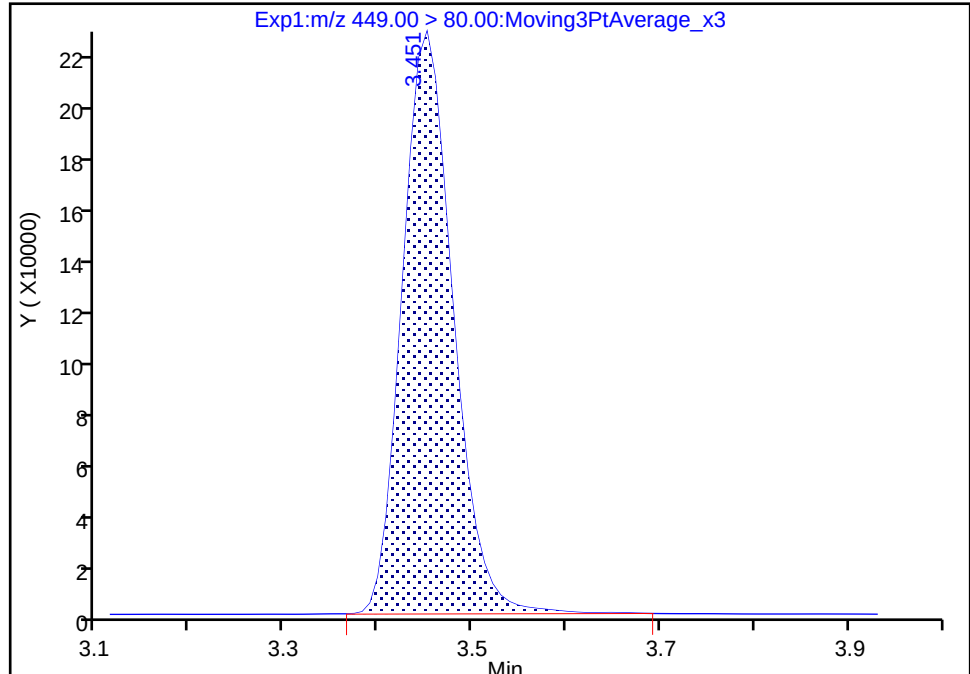
Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

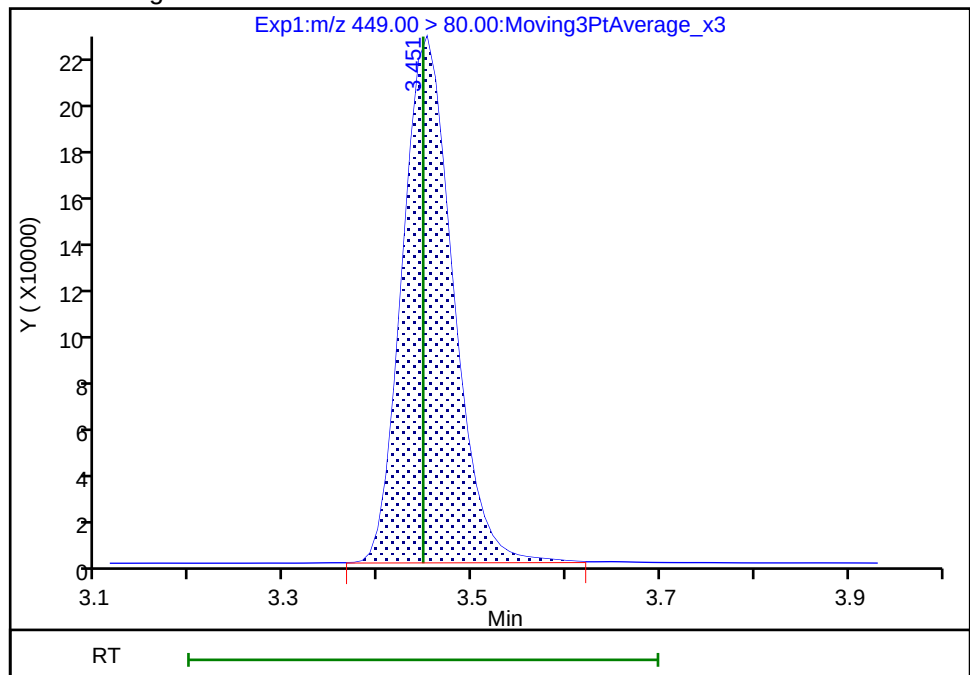
RT: 3.45
Area: 859774
Amount: 0.937828
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 858687
Amount: 0.936643
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:19:56

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

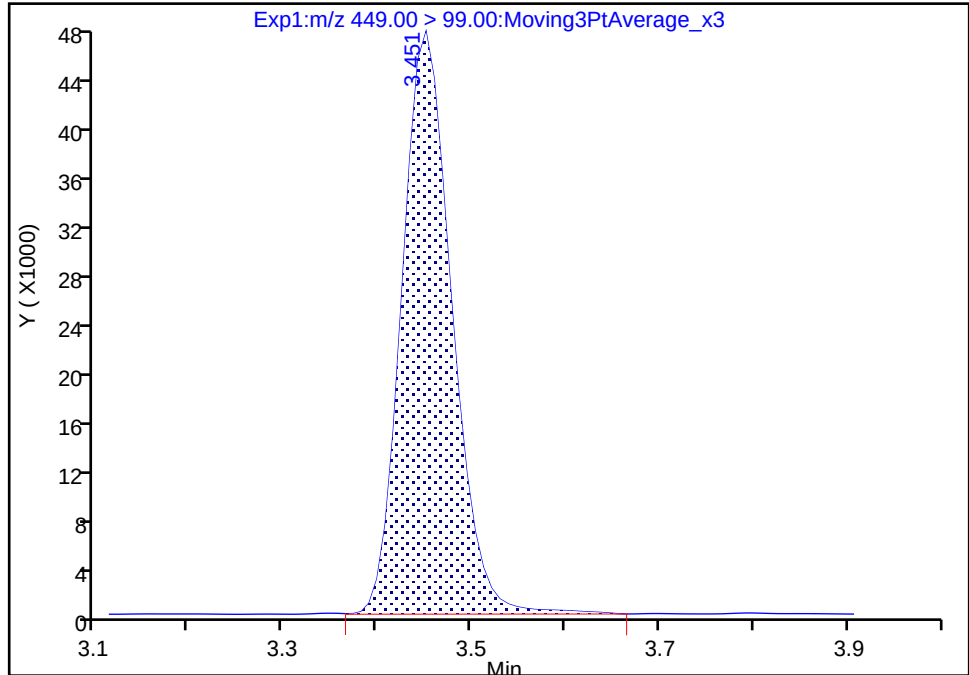
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B03.d
Injection Date: 11-Aug-2022 18:47:31 Instrument ID: LC812
Lims ID: LCS 200-182554/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

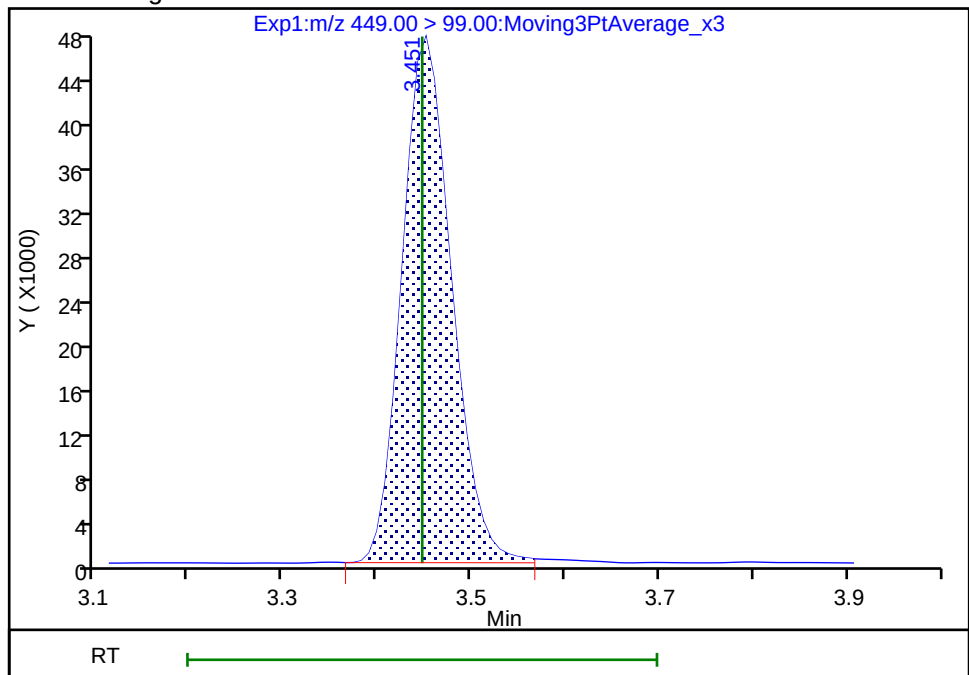
RT: 3.45
Area: 175842
Amount: 0.937828
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 174310
Amount: 0.936643
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:20:05

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B03.d

Injection Date: 11-Aug-2022 18:47:31

Instrument ID: LC812

Lims ID: LCS 200-182554/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

3

Worklist Smp#: 3

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

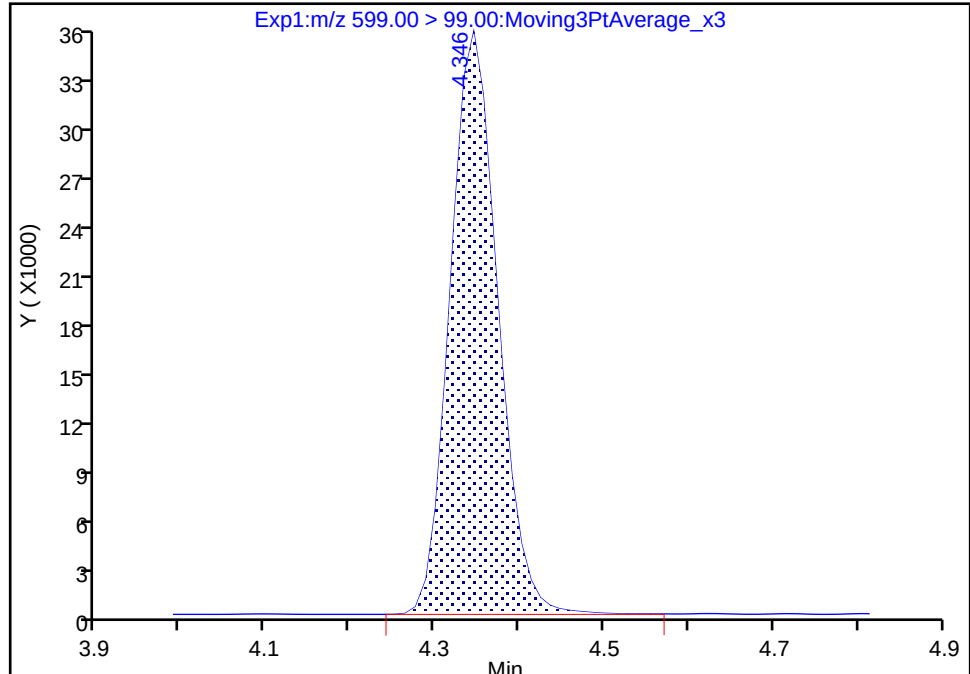
EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

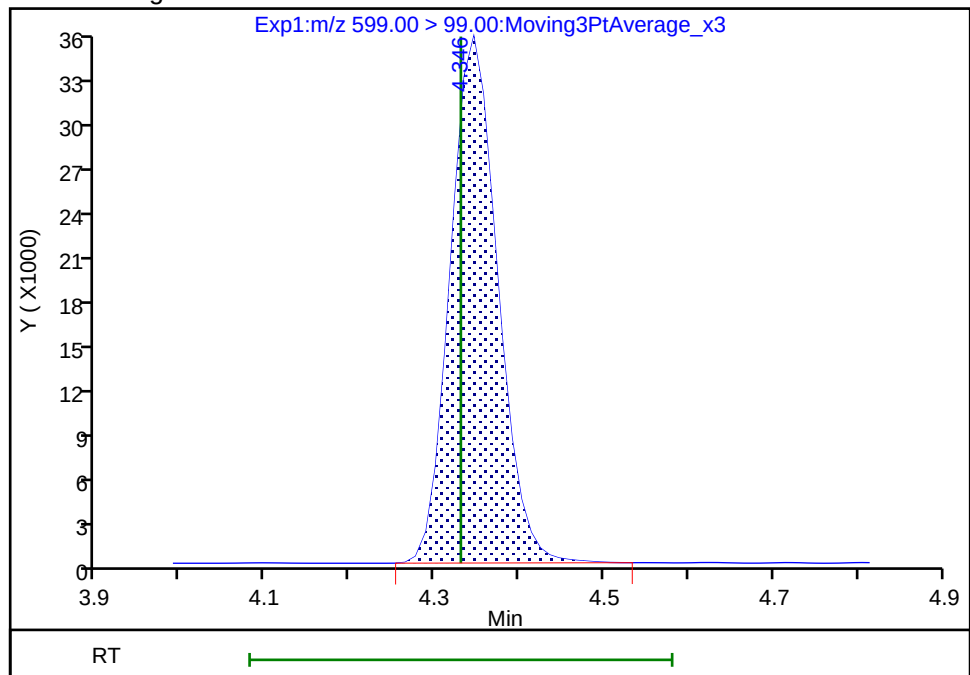
RT: 4.35
Area: 137654
Amount: 0.833276
Amount Units: ng/ml

Processing Integration Results



RT: 4.35
Area: 137216
Amount: 0.833276
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:21:15

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B03.d

Injection Date: 11-Aug-2022 18:47:31

Instrument ID: LC812

Lims ID: LCS 200-182554/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

3

Worklist Smp#: 3

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

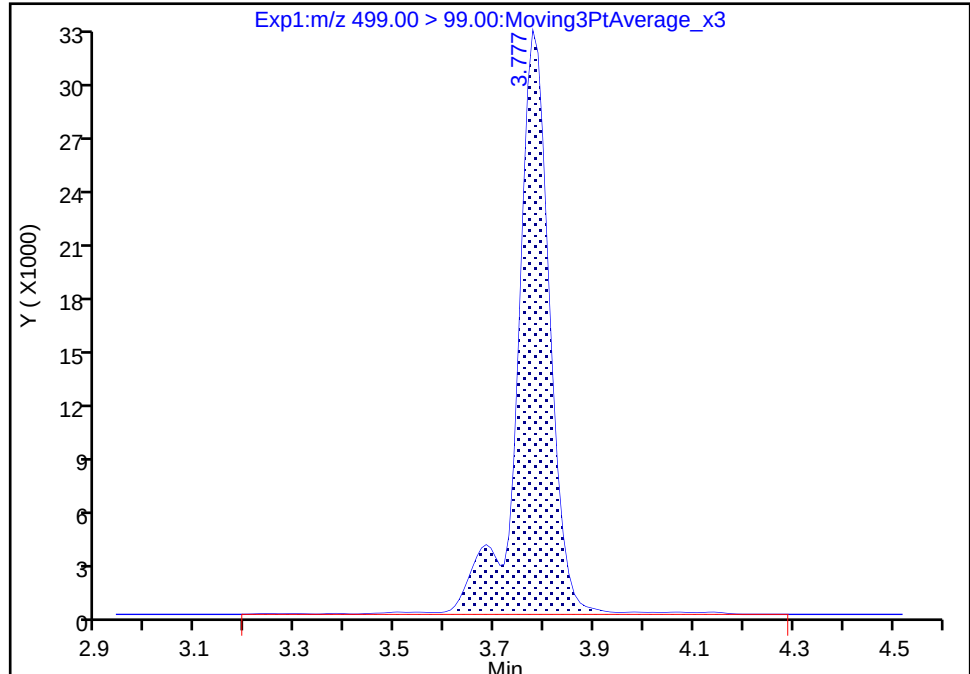
EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

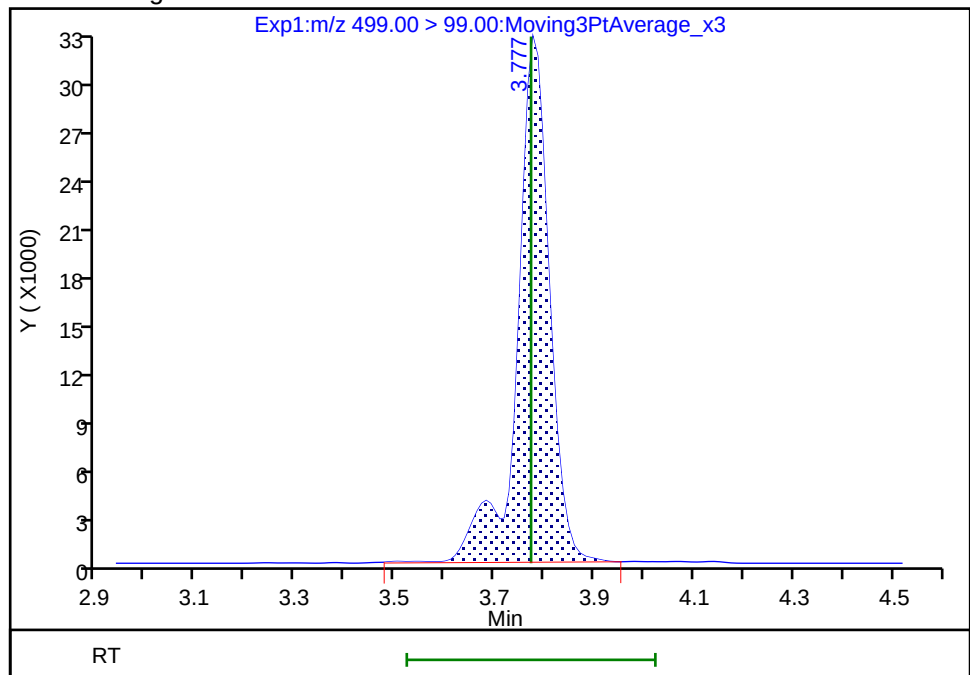
RT: 3.78
Area: 150171
Amount: 0.913460
Amount Units: ng/ml

Processing Integration Results



RT: 3.78
Area: 147018
Amount: 0.876232
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:20:44

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

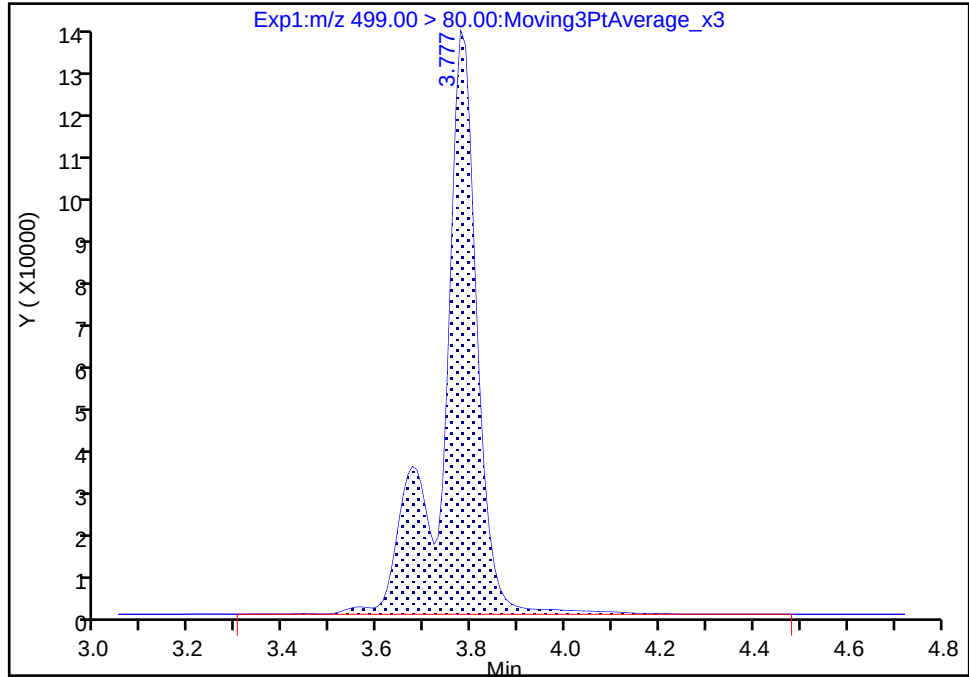
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B03.d
Injection Date: 11-Aug-2022 18:47:31 Instrument ID: LC812
Lims ID: LCS 200-182554/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

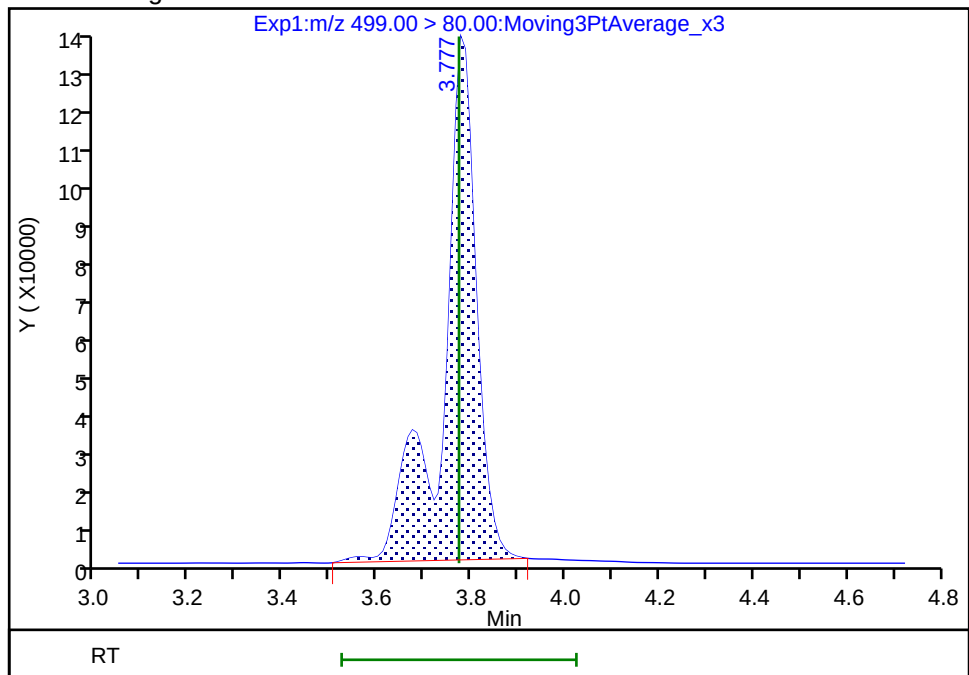
RT: 3.78
Area: 687737
Amount: 0.913460
Amount Units: ng/ml

Processing Integration Results



RT: 3.78
Area: 660264
Amount: 0.876232
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 09:42:44

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B03.d

Injection Date: 11-Aug-2022 18:47:31

Instrument ID: LC812

Lims ID: LCS 200-182554/2-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)

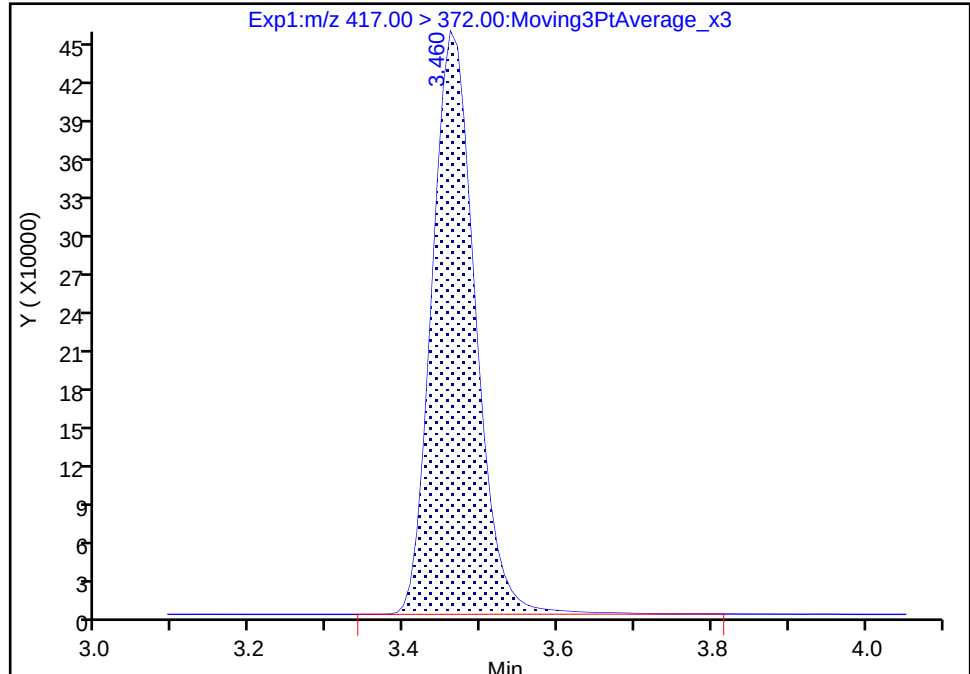
Detector: EXP1

D 14 13C4 PFOA, CAS: STL00990

Signal: 1

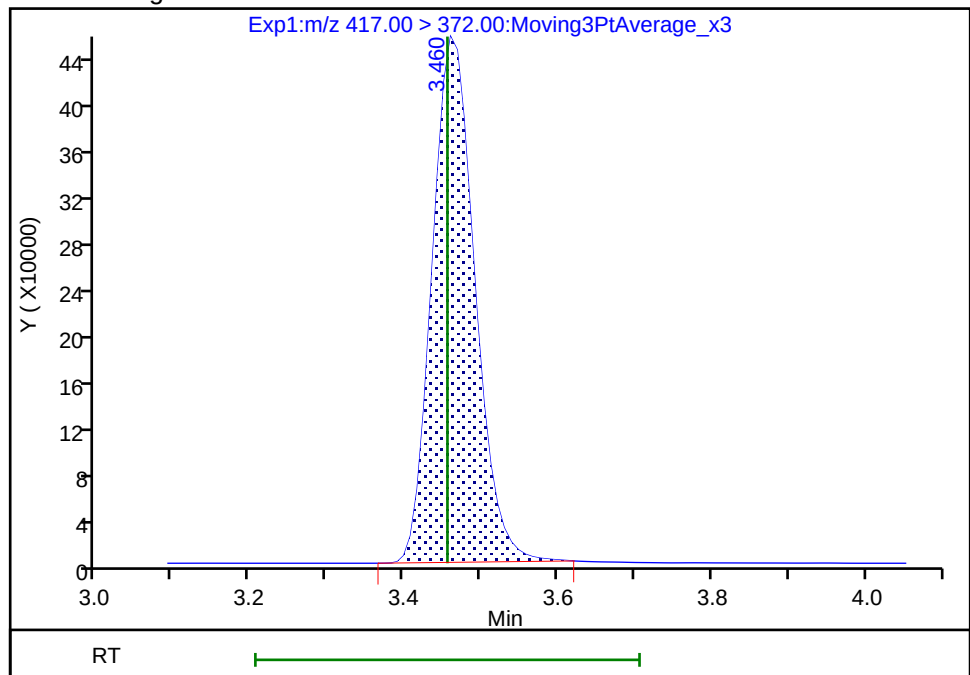
RT: 3.46
Area: 1785253
Amount: 1.189990
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 1765028
Amount: 1.176509
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 09:42:29

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B03.d

Injection Date: 11-Aug-2022 18:47:31

Instrument ID: LC812

Lims ID: LCS 200-182554/2-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)

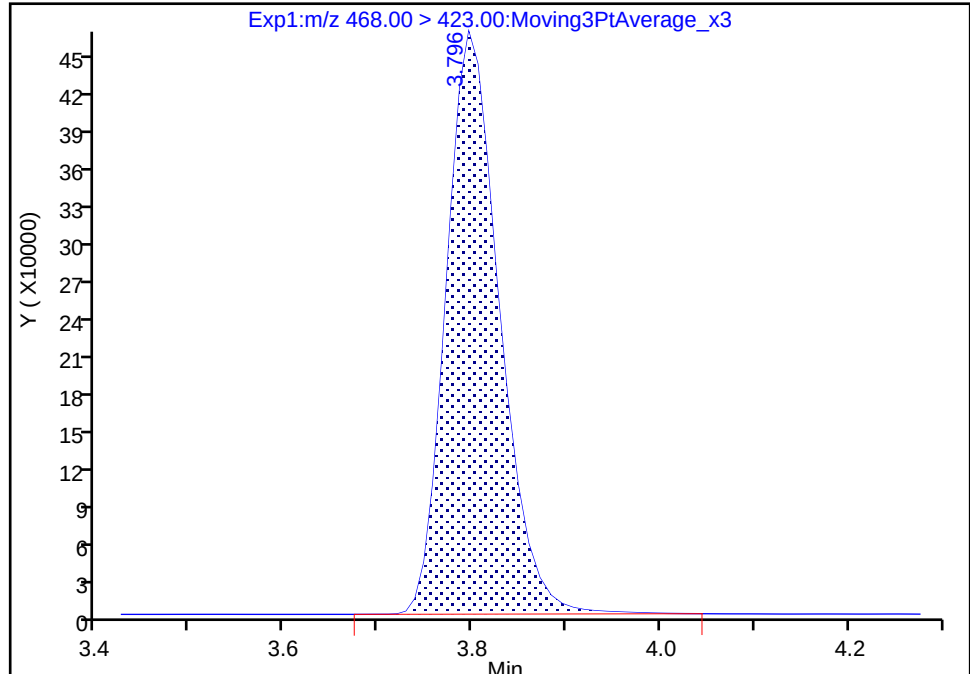
Detector: EXP1

D 19 13C5 PFNA, CAS: STL00995

Signal: 1

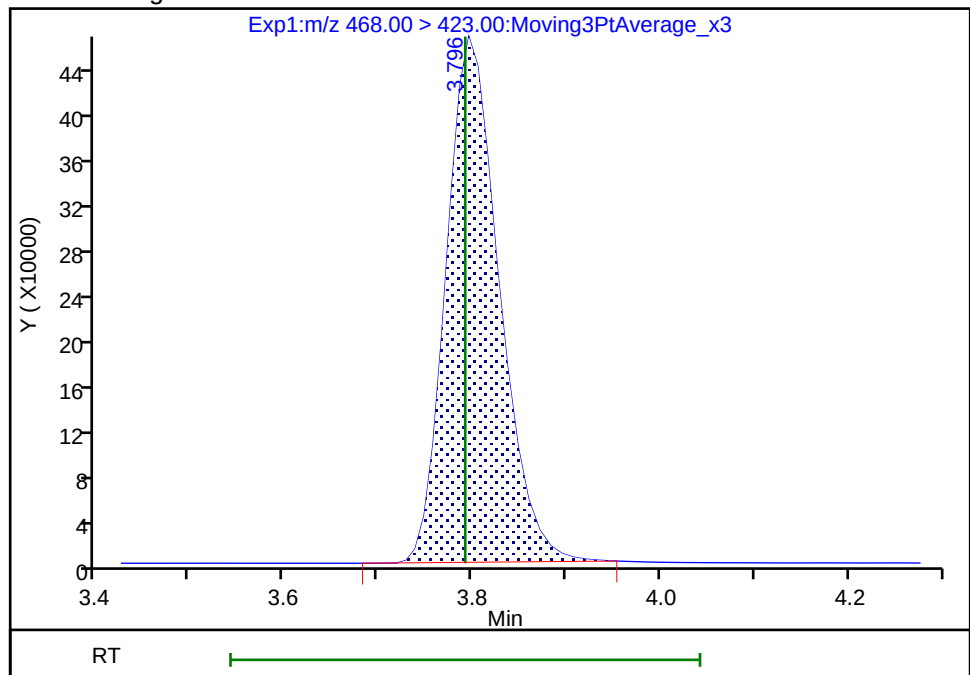
RT: 3.80
Area: 1841868
Amount: 1.182579
Amount Units: ng/ml

Processing Integration Results



RT: 3.80
Area: 1826179
Amount: 1.172506
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 09:42:52

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B03.d

Injection Date: 11-Aug-2022 18:47:31

Instrument ID: LC812

Lims ID: LCS 200-182554/2-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)

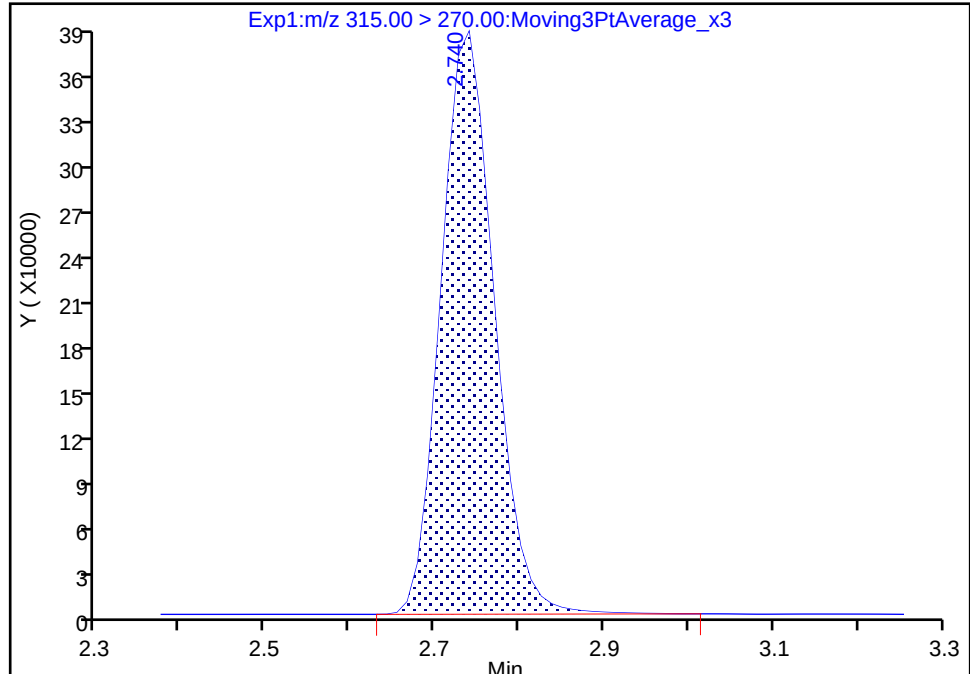
Detector: EXP1

D 7 13C2 PFHxA, CAS: STL00993

Signal: 1

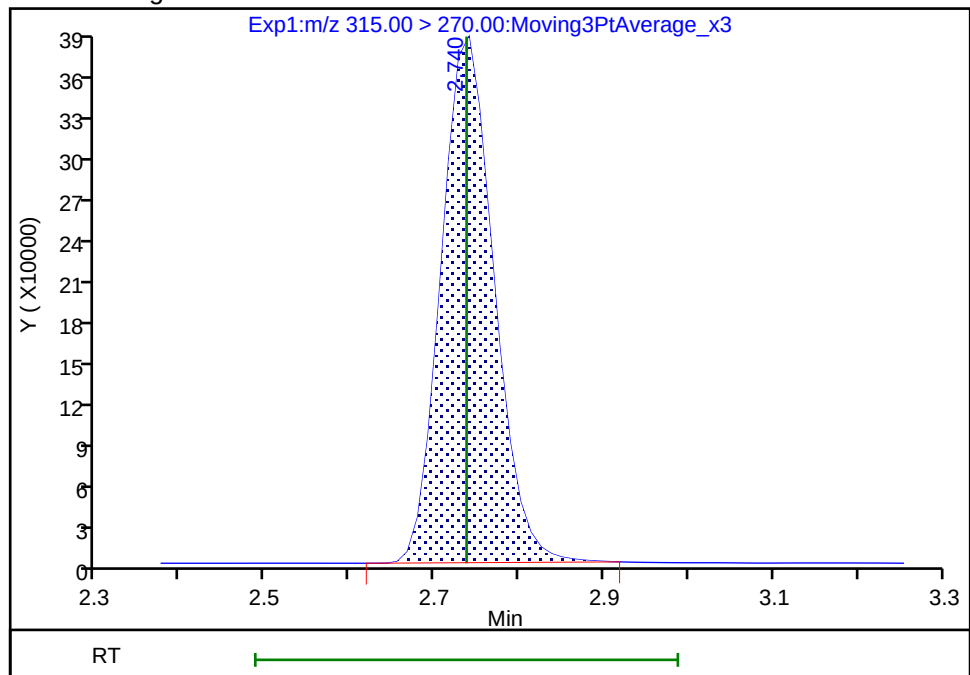
RT: 2.74
Area: 1688722
Amount: 1.196392
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 1680585
Amount: 1.190628
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 09:41:51

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B03.d

Injection Date: 11-Aug-2022 18:47:31

Instrument ID: LC812

Lims ID: LCS 200-182554/2-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)

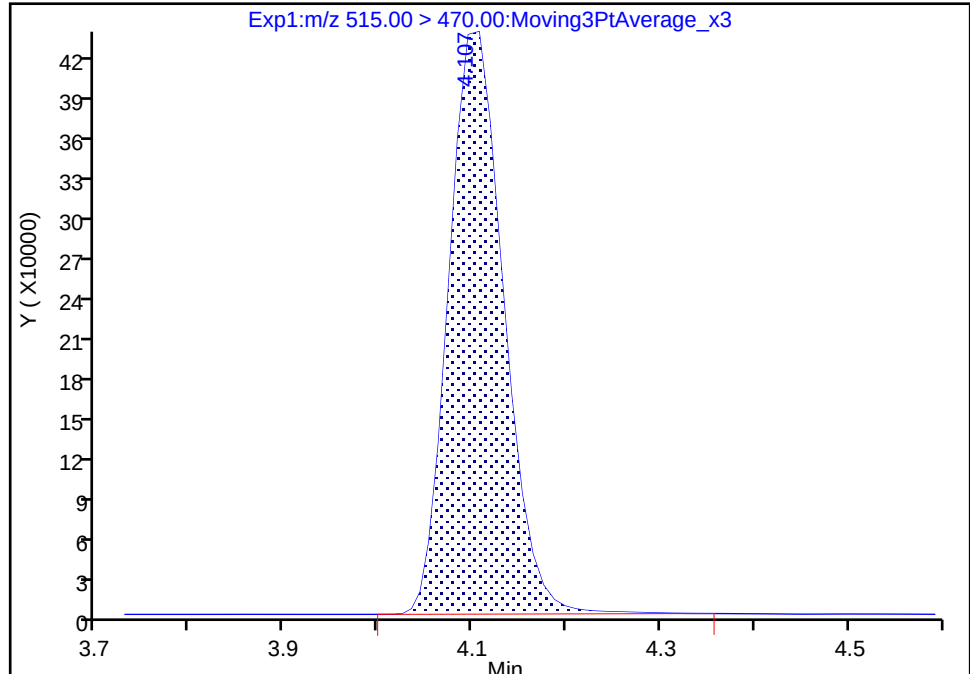
Detector: EXP1

D 23 13C2 PFDA, CAS: STL00996

Signal: 1

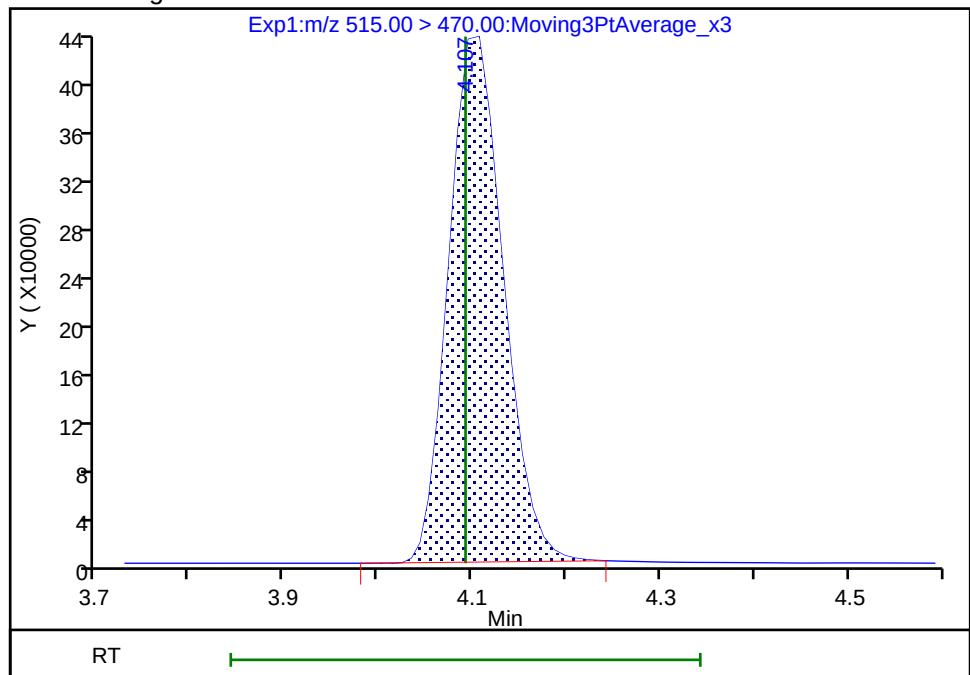
RT: 4.11
Area: 1788742
Amount: 1.180054
Amount Units: ng/ml

Processing Integration Results



RT: 4.11
Area: 1771250
Amount: 1.168514
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 09:43:05

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B03.d

Injection Date: 11-Aug-2022 18:47:31

Instrument ID: LC812

Lims ID: LCS 200-182554/2-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)

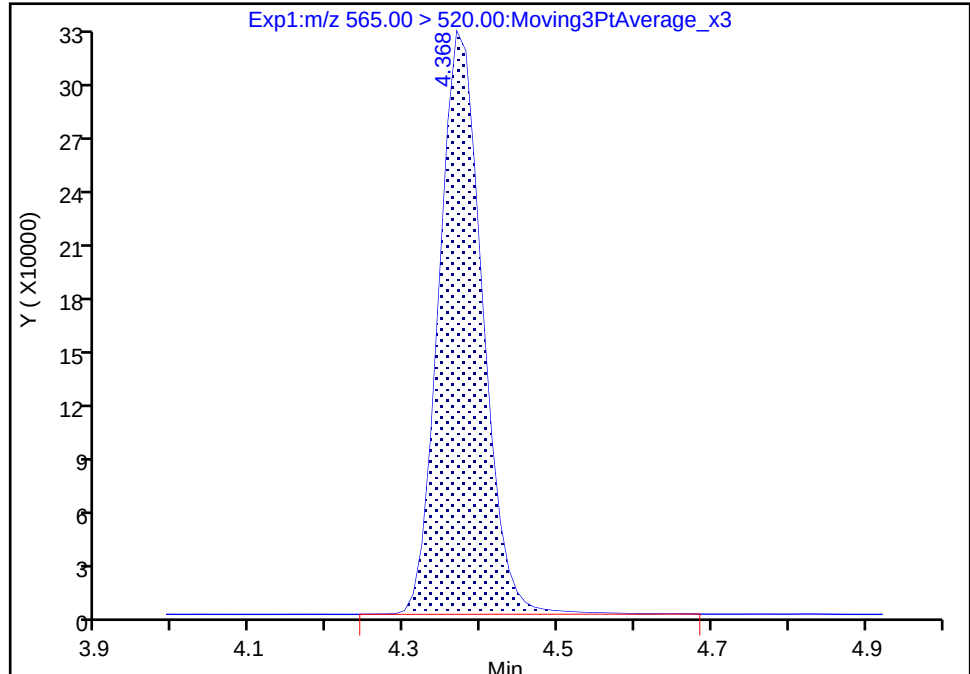
Detector: EXP1

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

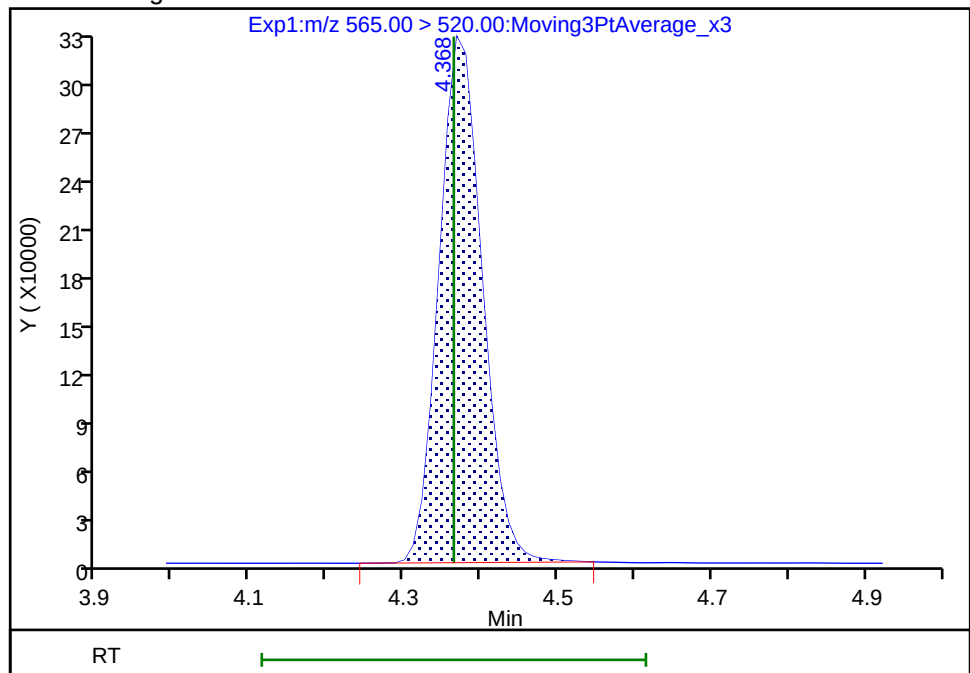
RT: 4.37
Area: 1279359
Amount: 1.113941
Amount Units: ng/ml

Processing Integration Results



RT: 4.37
Area: 1270315
Amount: 1.106067
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 09:43:16

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B03.d

Injection Date: 11-Aug-2022 18:47:31

Instrument ID: LC812

Lims ID: LCS 200-182554/2-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)

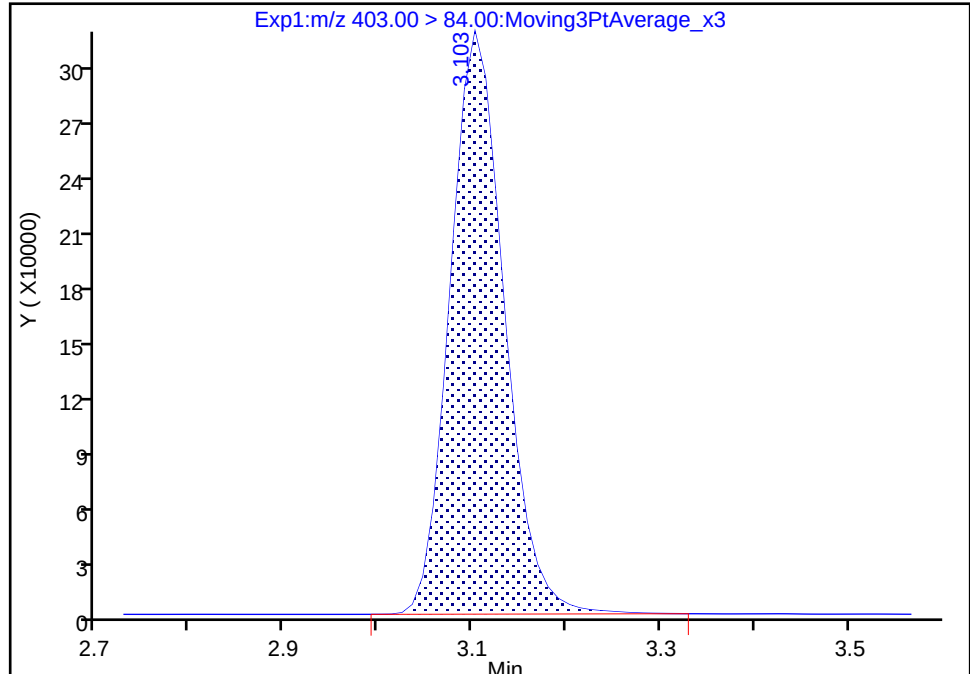
Detector: EXP1

D 11 18O2 PFHxS, CAS: STL00994

Signal: 1

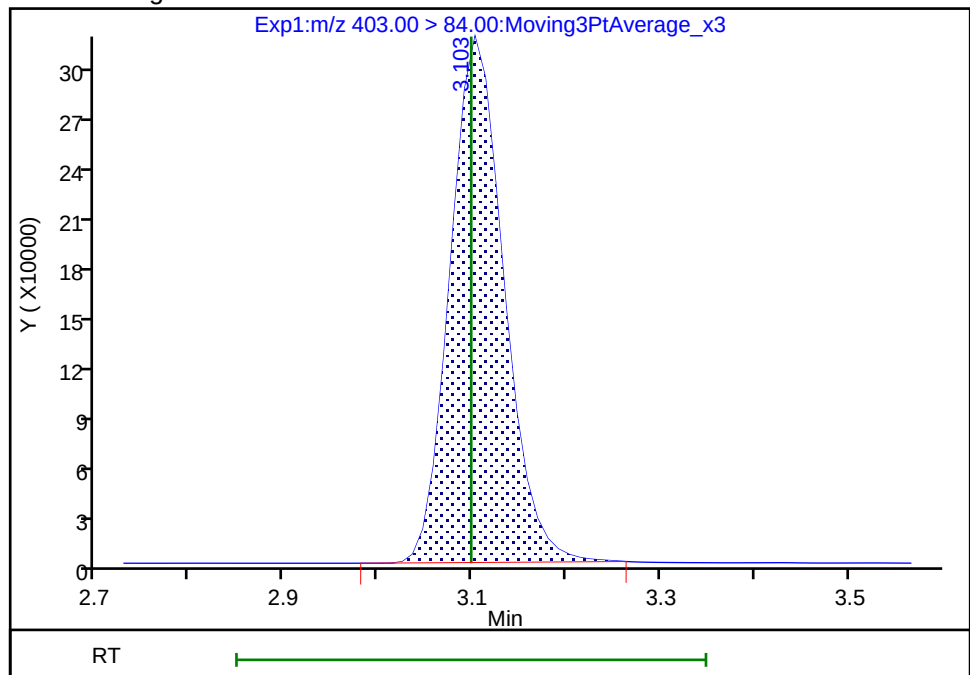
RT: 3.10
Area: 1245777
Amount: 1.082781
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 1238499
Amount: 1.076455
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 09:42:03

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B03.d

Injection Date: 11-Aug-2022 18:47:31

Instrument ID: LC812

Lims ID: LCS 200-182554/2-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)

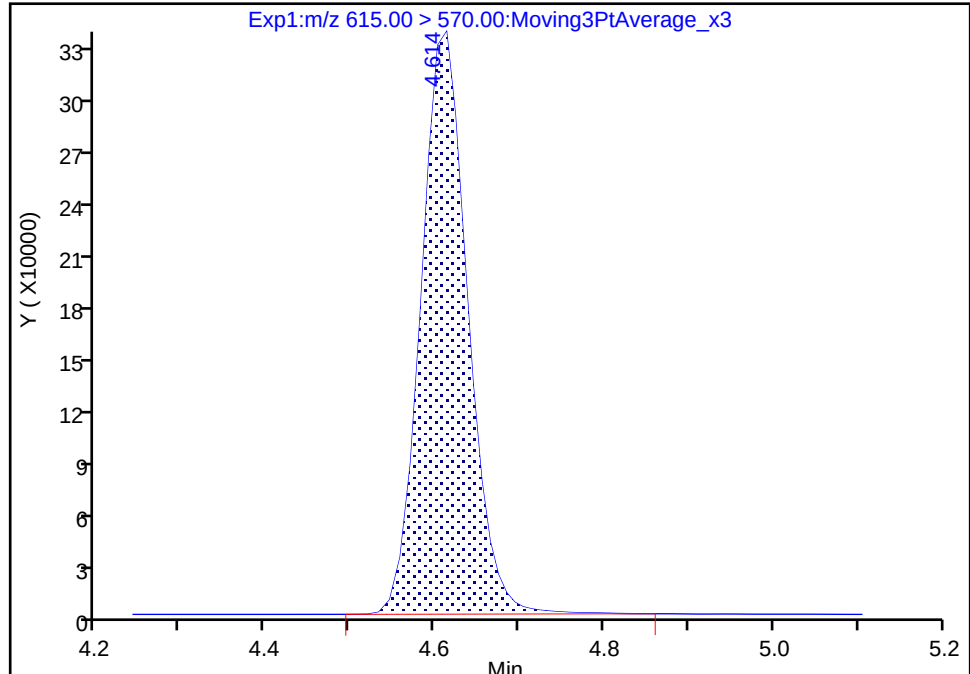
Detector: EXP1

D 36 13C2 PFD_oA, CAS: STL00998

Signal: 1

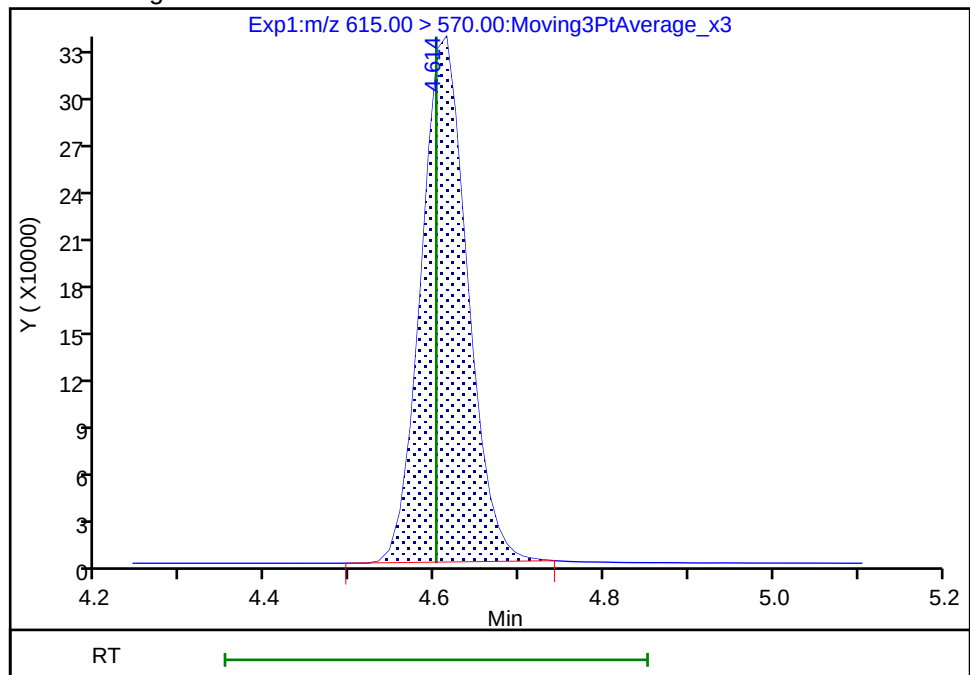
RT: 4.61
Area: 1302446
Amount: 1.094381
Amount Units: ng/ml

Processing Integration Results



RT: 4.61
Area: 1288956
Amount: 1.083046
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 09:43:28

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B03.d

Injection Date: 11-Aug-2022 18:47:31

Instrument ID: LC812

Lims ID: LCS 200-182554/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

3

Worklist Smp#: 3

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

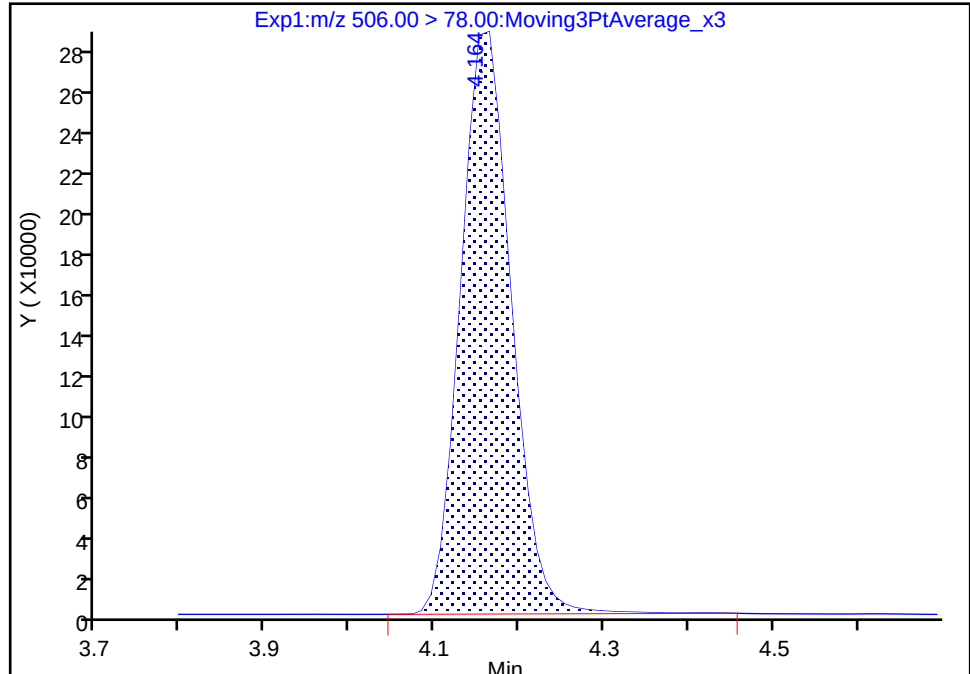
Detector: EXP1

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

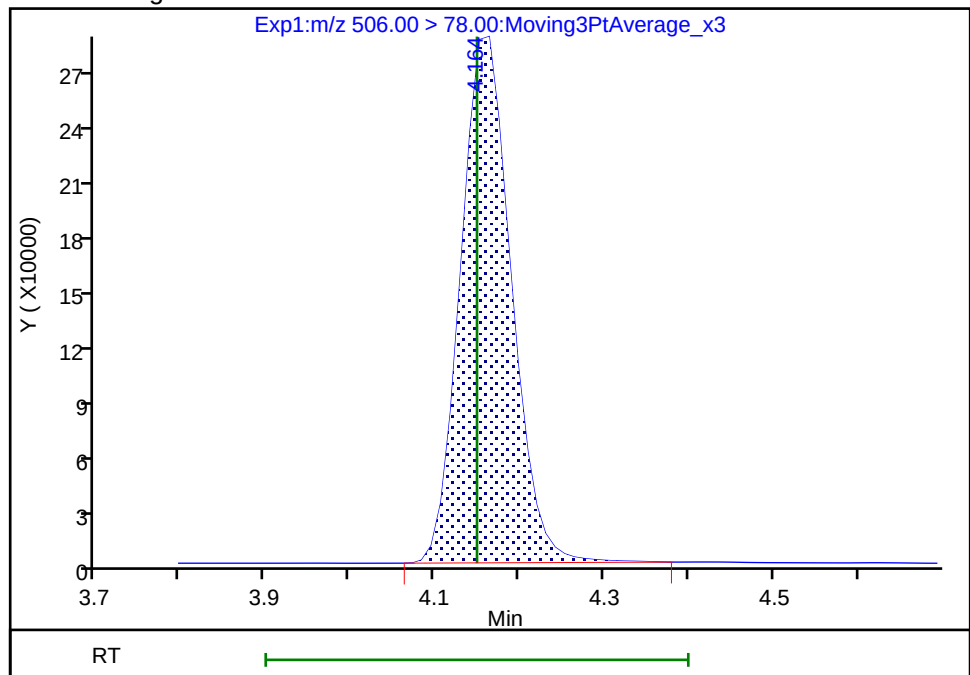
RT: 4.16
Area: 1182000
Amount: 0.890947
Amount Units: ng/ml

Processing Integration Results



RT: 4.16
Area: 1179444
Amount: 0.889021
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:17:24

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B03.d

Injection Date: 11-Aug-2022 18:47:31

Instrument ID: LC812

Lims ID: LCS 200-182554/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

3

Worklist Smp#: 3

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

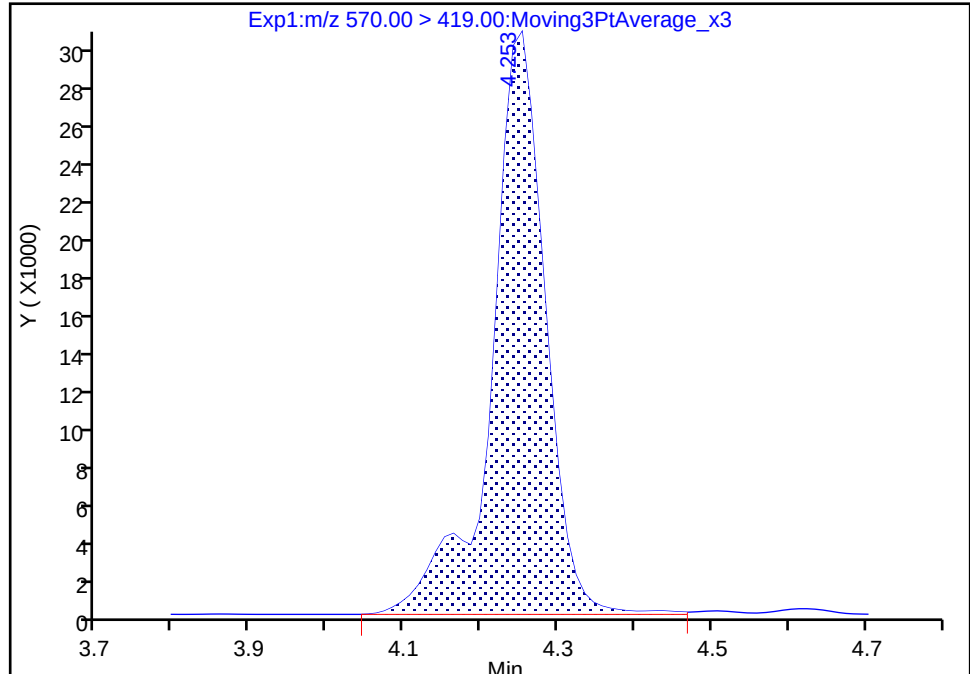
Detector: EXP1

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

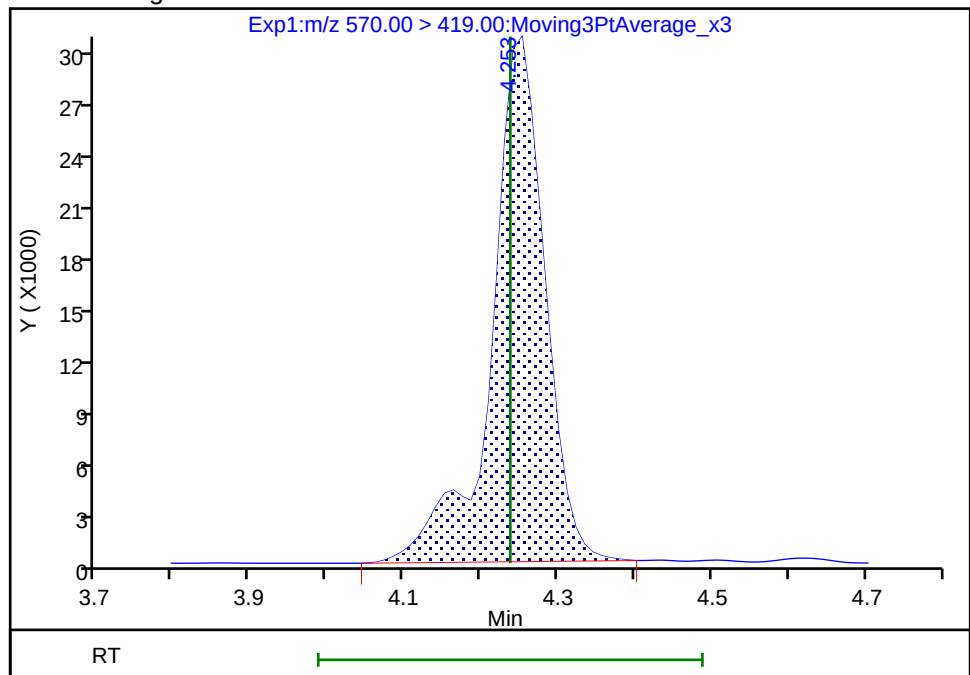
RT: 4.25
Area: 146735
Amount: 0.970872
Amount Units: ng/ml

Processing Integration Results



RT: 4.25
Area: 144467
Amount: 0.955866
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:21:01

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B03.d

Injection Date: 11-Aug-2022 18:47:31

Instrument ID: LC812

Lims ID: LCS 200-182554/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

3

Worklist Smp#: 3

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

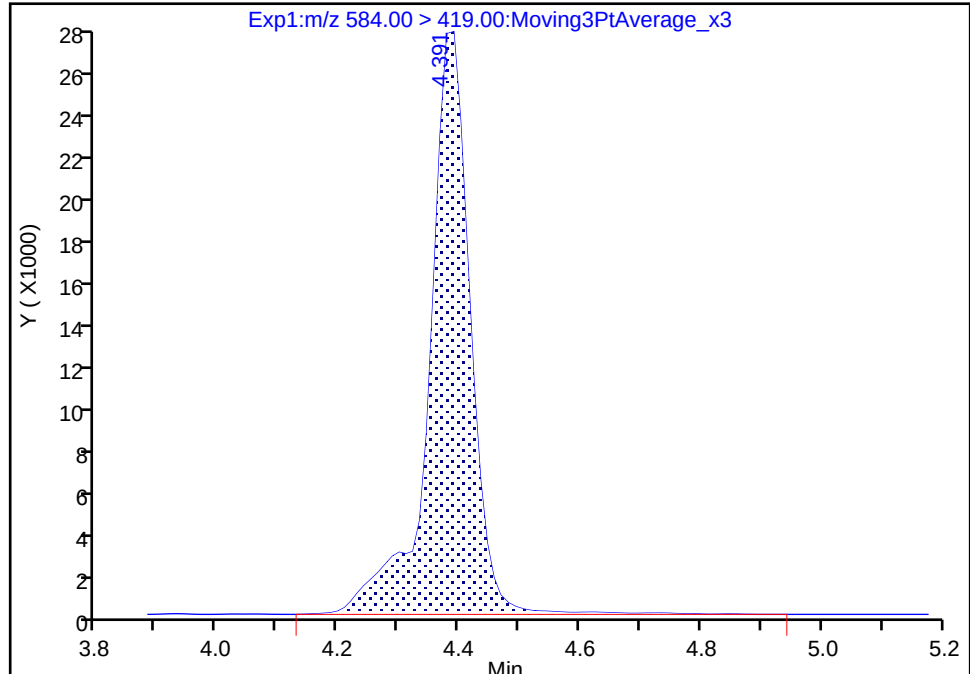
Detector: EXP1

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

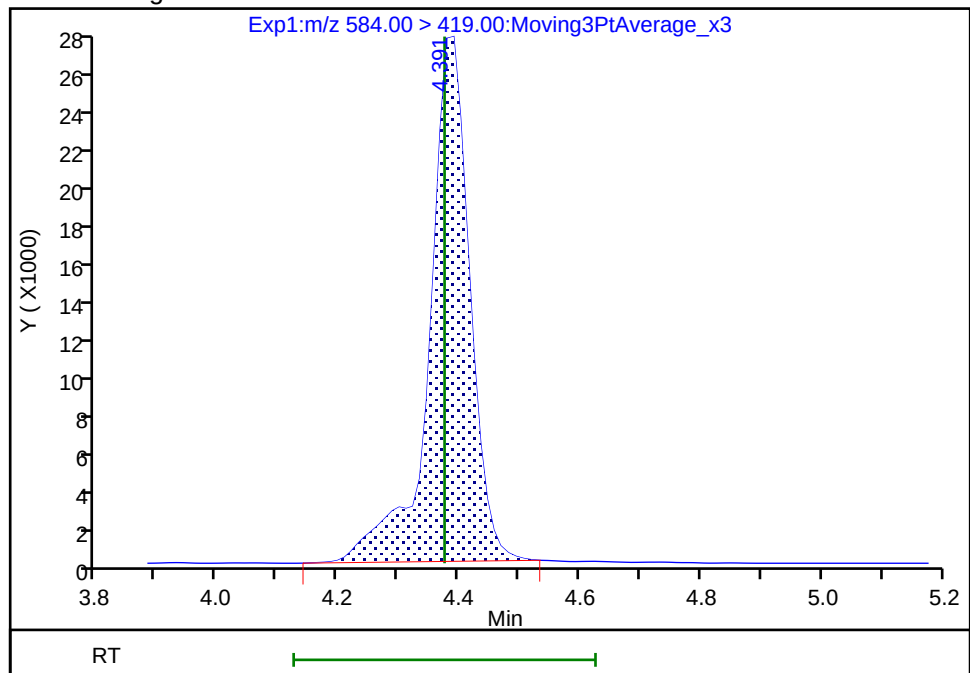
RT: 4.39
Area: 132107
Amount: 0.896572
Amount Units: ng/ml

Processing Integration Results



RT: 4.39
Area: 128977
Amount: 0.875330
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 09:43:22

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B03.d

Injection Date: 11-Aug-2022 18:47:31

Instrument ID: LC812

Lims ID: LCS 200-182554/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

3

Worklist Smp#: 3

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

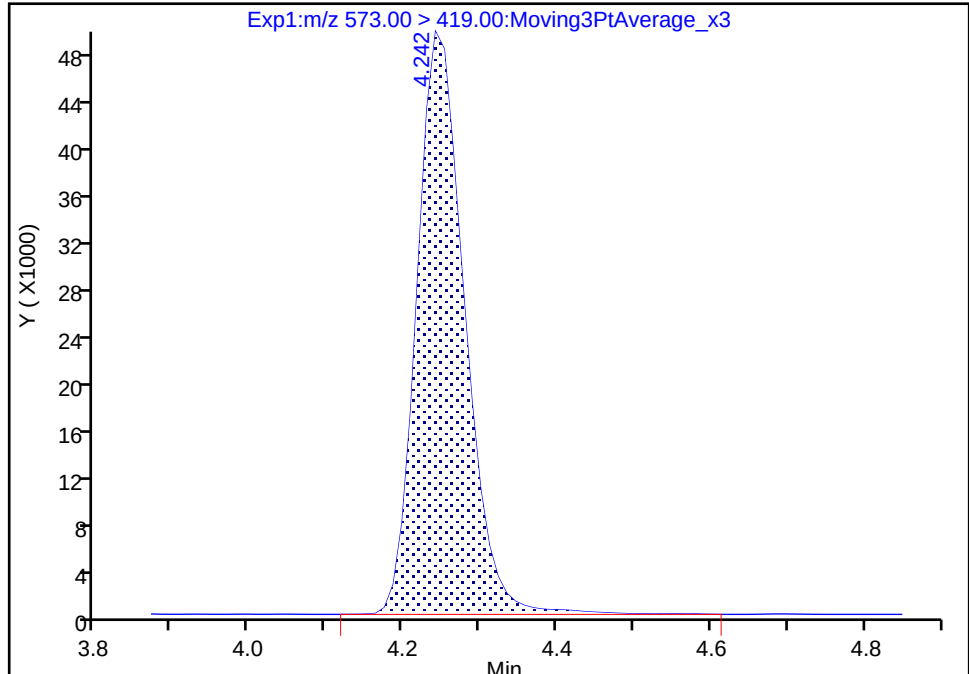
Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

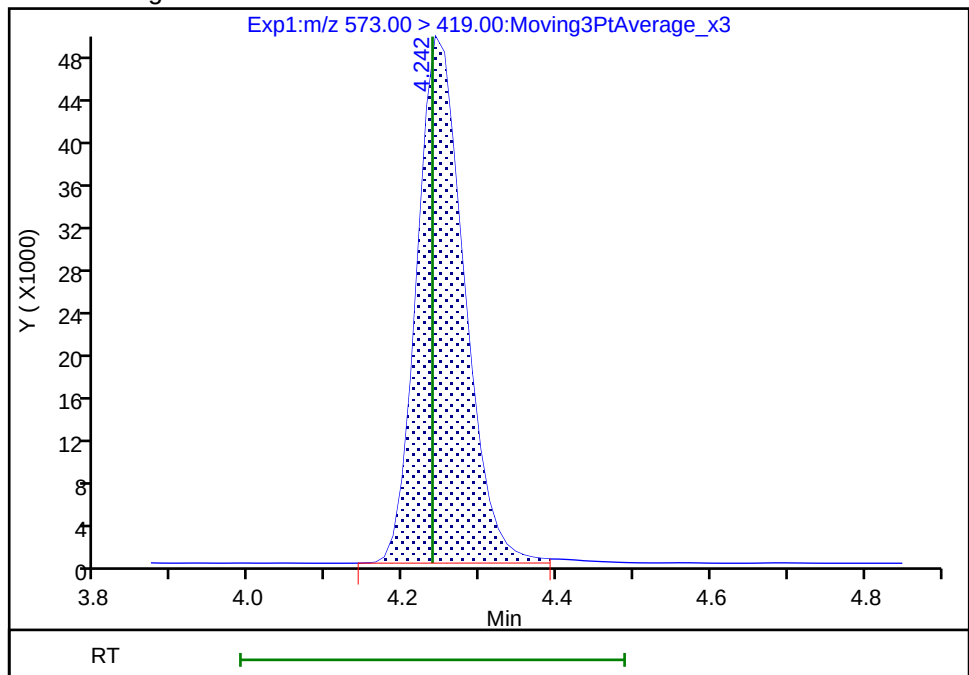
RT: 4.24
Area: 214599
Amount: 1.056269
Amount Units: ng/ml

Processing Integration Results



RT: 4.24
Area: 212723
Amount: 1.047036
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:17:36

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B03.d

Injection Date: 11-Aug-2022 18:47:31

Instrument ID: LC812

Lims ID: LCS 200-182554/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

3

Worklist Smp#: 3

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

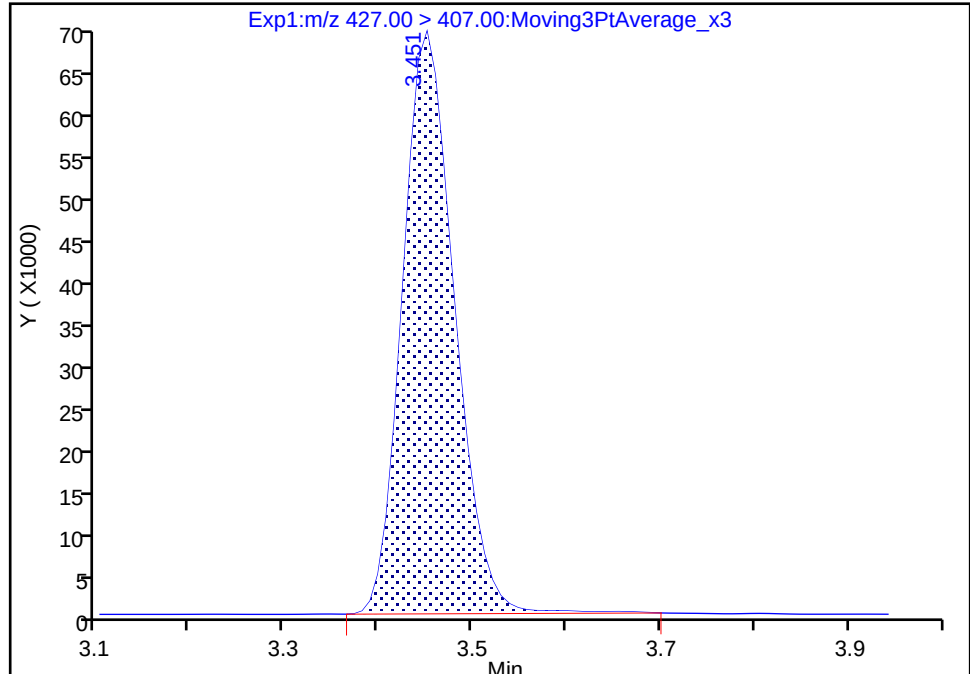
Detector: EXP1

13 1H,1H,2H,2H-perfluorooctanesulfo, CAS: 27619-97-2

Signal: 1

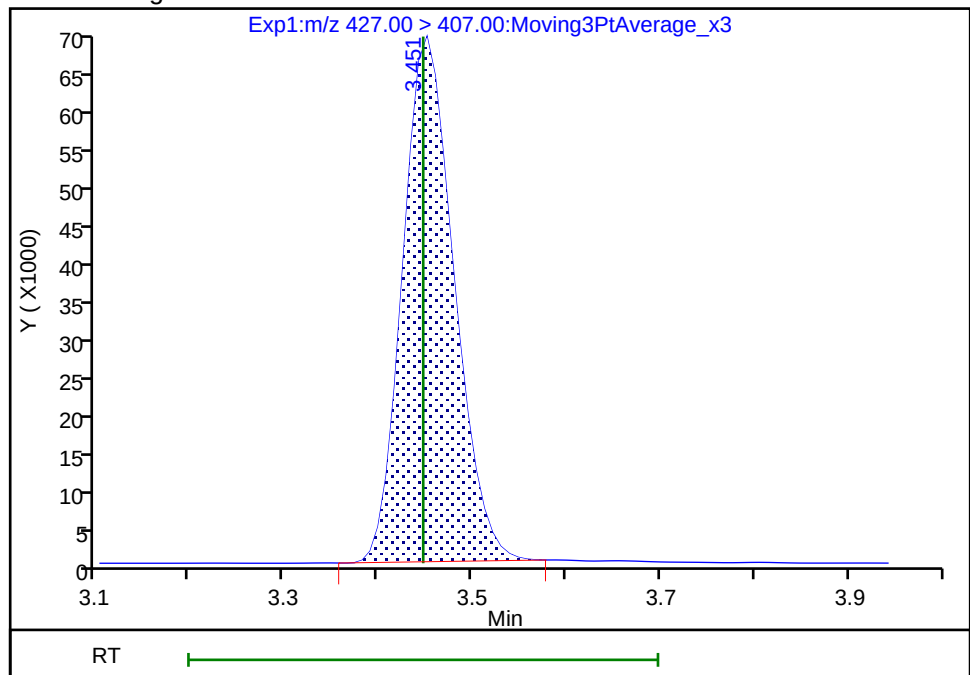
RT: 3.45
Area: 266799
Amount: 1.003663
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 263358
Amount: 0.999060
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 09:42:21

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B03.d

Injection Date: 11-Aug-2022 18:47:31

Instrument ID: LC812

Lims ID: LCS 200-182554/2-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)

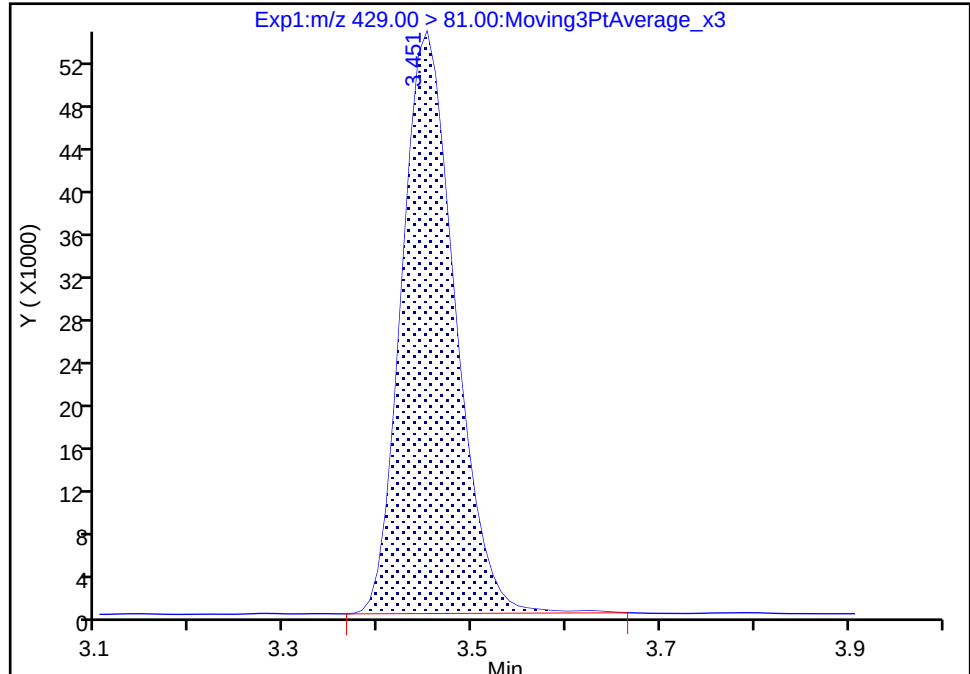
Detector: EXP1

D 12 M2-6:2 FTS, CAS: STL02279

Signal: 1

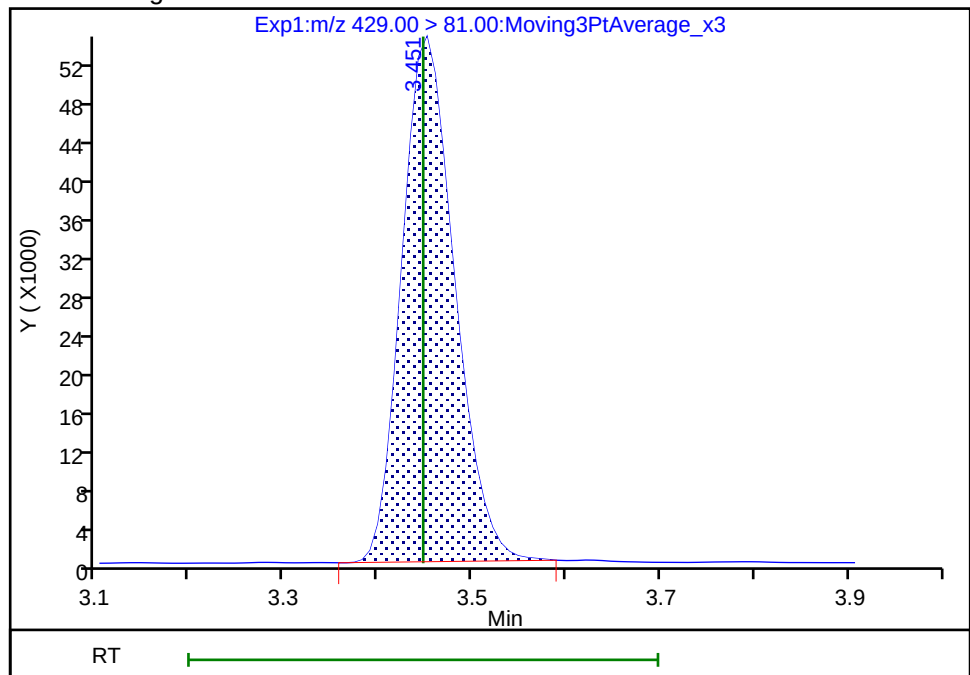
RT: 3.45
Area: 213170
Amount: 1.106992
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 211264
Amount: 1.097094
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 09:42:17

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B03.d

Injection Date: 11-Aug-2022 18:47:31

Instrument ID: LC812

Lims ID: LCS 200-182554/2-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)

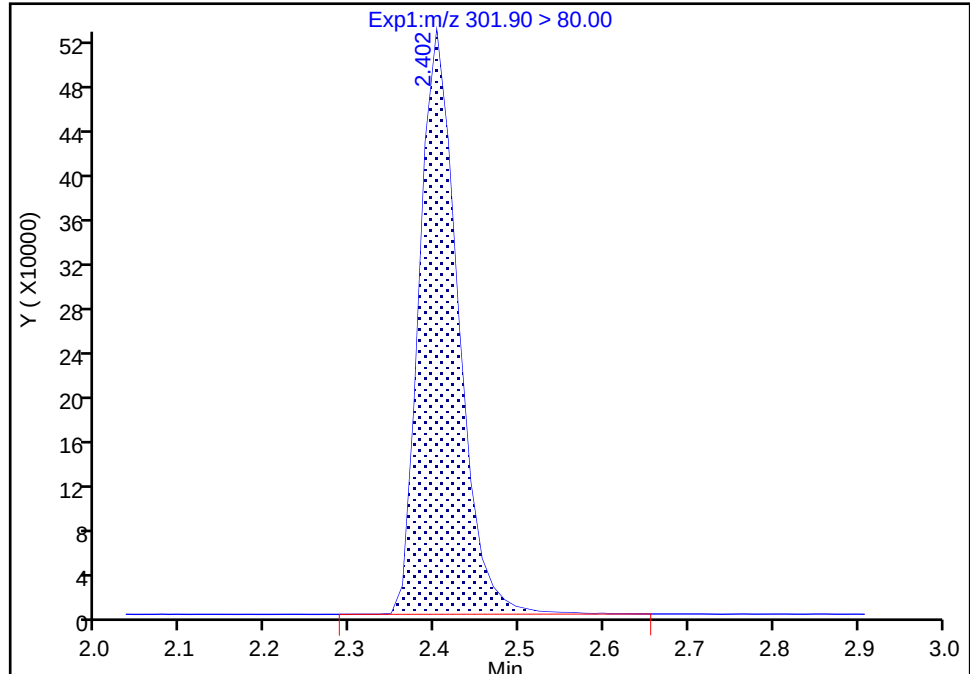
Detector: EXP1

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

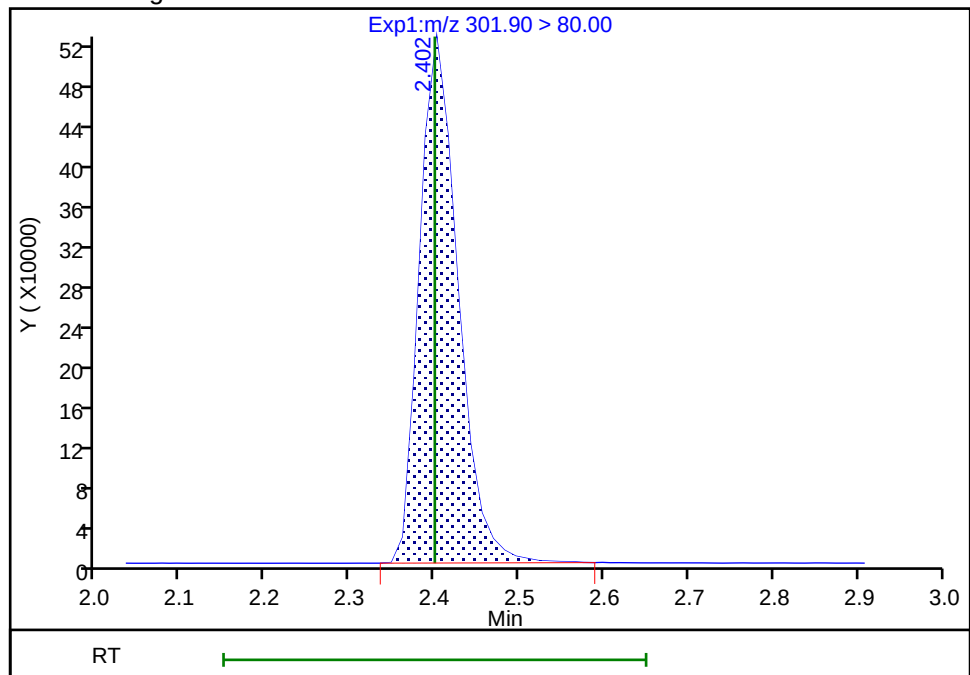
RT: 2.40
Area: 1650040
Amount: 1.008655
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 1646241
Amount: 1.006333
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 08:16:36

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-263208-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: 200-64441-A-11-B MS

Matrix: Water Lab File ID: PA220809A20.d

Analysis Method: 537 (modified) Date Collected: _____

Extraction Method: 3535 Date Extracted: 08/09/2022 10:37

Sample wt/vol: 291.4 (mL) Date Analyzed: 08/09/2022 18:26

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.: 182508 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	65.66		4.29	1.03
2706-90-3	Perfluoropentanoic acid (PFPeA)	70.64		1.72	0.58
307-24-4	Perfluorohexanoic acid (PFHxA)	72.51		1.72	0.56
375-85-9	Perfluoroheptanoic acid (PFHpA)	74.04		1.72	0.46
335-67-1	Perfluorooctanoic acid (PFOA)	71.51		1.72	0.65
375-95-1	Perfluorononanoic acid (PFNA)	73.40		1.72	0.42
335-76-2	Perfluorodecanoic acid (PFDA)	72.19		1.72	0.39
2058-94-8	Perfluoroundecanoic acid (PFUnA)	69.25		1.72	0.47
307-55-1	Perfluorododecanoic acid (PFDoA)	73.87		1.72	0.42
72629-94-8	Perfluorotridecanoic acid (PFTriA)	70.63		1.72	0.41
376-06-7	Perfluorotetradecanoic acid (PFTeA)	73.63		1.72	0.55
375-73-5	Perfluorobutanesulfonic acid (PFBS)	63.25		1.72	0.53
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	65.35		1.72	0.47
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	70.40		1.72	0.35
335-77-3	Perfluorodecanesulfonic acid (PFDS)	68.02		1.72	0.34
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	68.47		1.72	0.73
754-91-6	Perfluorooctanesulfonamide (FOSA)	70.98		1.72	0.79
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	75.11		4.29	1.63
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	72.40		4.29	1.37
27619-97-2	6:2 FTS	73.81		4.29	1.12
39108-34-4	8:2 FTS	72.77		1.72	0.66

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-263208-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: 200-64441-A-11-B MS

Matrix: Water Lab File ID: PA220809A20.d

Analysis Method: 537 (modified) Date Collected: _____

Extraction Method: 3535 Date Extracted: 08/09/2022 10:37

Sample wt/vol: 291.4 (mL) Date Analyzed: 08/09/2022 18:26

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.: 182508 Units: ng/L

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL01892	13C4 PFHpA	95		50-150
STL00990	13C4 PFOA	101		50-150
STL00995	13C5 PFNA	99		50-150
STL00992	13C4 PFBA	65		50-150
STL00993	13C2 PFHxA	95		50-150
STL00996	13C2 PFDA	105		50-150
STL00997	13C2 PFUnA	104		50-150
STL00994	18O2 PFHxS	93		50-150
STL00998	13C2 PFDoA	103		50-150
STL00991	13C4 PFOS	95		50-150
STL01056	13C8 FOSA	90		50-150
STL01893	13C5 PFPeA	92		50-150
STL02116	13C2 PFTeDA	77		50-150
STL02118	d3-NMeFOSAA	95		50-150
STL02117	d5-NEtFOSAA	100		50-150
STL02279	M2-6:2 FTS	114		50-150
STL02337	13C3 PFBS	91		50-150
STL02280	M2-8:2 FTS	120		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A20.d
 Lims ID: 200-64441-A-11-B MS
 Client ID: SP-02
 Sample Type: MS
 Inject. Date: 09-Aug-2022 18:26:39 ALS Bottle#: 17 Worklist Smp#: 20
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: 200-64441-A-11-B MS
 Misc. Info.: 200-0052011-020 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 10-Aug-2022 11:01:07 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: CTX1674

First Level Reviewer: khanphomeea

Date: 10-Aug-2022 10:40:51

Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.076	2.085	-0.009	0.599	1510964	0.8125		65.0	4288	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.076	2.085	-0.009	1.000	2242743	1.91		95.7	80.4	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.386	2.386	0.0	0.689	1645288	1.15		92.0	817	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.386	2.386	0.0	1.000	2793226	2.06		103	14.5	M
D 47 13C3 PFBS										M
301.90 > 80.00	2.400	2.400	0.0	0.693	1744011	1.05		90.6	53091	M
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.400	2.413	-0.013	1.000	3052112	1.84	Target=2.23	104	358	
298.90 > 99.00	2.400	2.413	-0.013	1.000	1442114		2.12(1.11-3.34)		117	
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.701	2.701	0.0	0.780	214239	1.50		129	55.9	M
61 1H,1H,2H,2H-perfluorohexanesulfo										
327.00 > 307.00	2.701	2.701	0.0	1.000	944955	2.17		116	1602	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.737	2.737	0.0	1.000	3005064	2.11	Target=12.24	106	113	M
313.00 > 119.00	2.737	2.737	0.0	1.000	240650		12.49(6.12-18.36)		152	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.737	2.737	0.0	0.790	1703710	1.19		95.4	2910	
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.737	2.750	-0.013	0.883	2794639	1.99	Target=2.95	106	510	M
349.00 > 99.00	2.737	2.750	-0.013	0.883	941781		2.97(1.48-4.43)		140	M
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.847	2.847	0.0	0.822	316167	1.18		94.1	1523	

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	2.847	0.0	1.000	566595	2.08		104	1694	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.098	3.110	-0.012	0.895	1279737	1.10		93.0	2126	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.098	3.110	-0.012	1.000	2273149	1.90	Target=3.43	105	561	M
399.00 > 99.00	3.098	3.110	-0.012	1.000	657412		3.46(1.72-5.15)		217	M
D 9 13C4 PFHpA										M
367.00 > 322.00	3.109	3.110	-0.001	0.898	1766732	1.19		95.4	2573	M
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.109	3.110	-0.001	1.000	3142800	2.16	Target=3.73	108	178	
363.00 > 169.00	3.109	3.110	-0.001	1.000	826804		3.80(1.86-5.59)		555	M
77 DONA										M
377.00 > 251.00	3.143	3.143	0.0	0.831	7035996	2.06	Target=2.84	109	2416	M
377.00 > 85.00	3.143	3.143	0.0	0.831	2536493		2.77(1.42-4.26)		921	M
D 12 M2-6:2 FTS										M
429.00 > 81.00	3.455	3.455	0.0	0.997	264199	1.36		114	214	M
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.455	3.455	0.0	1.000	702747	2.15		113	929	M
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.446	3.455	-0.009	0.911	2102801	2.05	Target=4.89	108	1677	M
449.00 > 99.00	3.446	3.455	-0.009	0.911	421368		4.99(2.44-7.33)		296	M
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.464	3.464	0.0	1.000	3580374	2.08	Target=2.67	104	229	M
413.00 > 169.00	3.464	3.464	0.0	1.000	1353679		2.64(1.34-4.01)		1449	
D 14 13C4 PFOA										
417.00 > 372.00	3.464	3.464	0.0	1.000	1915238	1.26		101	3905	
* 62 13C2 PFOA										
415.00 > 370.00	3.464	3.464	0.0		1991922	1.25			3524	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.782	3.782	0.0	1.000	1661550	2.00	Target=4.88	107	931	M
499.00 > 99.00	3.782	3.782	0.0	1.000	366362		4.54(2.44-7.32)		325	M
D 18 13C4 PFOS										
503.00 > 80.00	3.782	3.782	0.0	1.092	991080	1.14		95.4	1174	
20 Perfluorononanoic acid										M
463.00 > 419.00	3.801	3.801	0.0	1.000	3387162	2.14	Target=8.23	107	626	M
463.00 > 169.00	3.801	3.801	0.0	1.000	437368		7.74(4.11-12.34)		1070	M
D 19 13C5 PFNA										
468.00 > 423.00	3.801	3.801	0.0	1.097	1945488	1.23		98.8	4343	
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.950	3.951	-0.001	1.045	2938527	2.01		108	4023	
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.071	4.081	-0.010	1.076	1331259	2.05	Target=2.53	107	1507	
549.00 > 99.00	4.071	4.081	-0.010	1.076	543300		2.45(1.26-3.79)		1013	
D 23 13C2 PFDA										
515.00 > 470.00	4.104	4.104	0.0	1.185	2022461	1.32		105	4920	

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	4.104	4.104	0.0	1.000	3579629	2.10	Target=9.67 9.43(4.83-14.50)	105	860	
513.00 > 169.00	4.104	4.104	0.0	1.000	379754				881	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.115	4.115	0.0	1.188	335803	1.43		120	455	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.115	4.115	0.0	1.000	574201	2.12		111	854	M
D 21 13C8 FOSA										
506.00 > 78.00	4.161	4.161	0.0	1.201	1514119	1.13		90.2	3018	
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.161	4.173	-0.012	1.000	2553167	2.07		103	2759	
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.249	4.249	0.0	1.227	243853	1.19		94.9	416	M
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.249	4.249	0.0	1.000	379181	2.19		109	930	M
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.342	4.342	0.0	1.148	957863	1.98	Target=2.80 2.52(1.40-4.20)	103	2050	M
599.00 > 99.00	4.342	4.342	0.0	1.148	379490				1719	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.376	4.376	0.0	1.263	1510254	1.30		104	2742	M
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.376	4.376	0.0	1.000	2583132	2.02	Target=9.07 8.75(4.54-13.61)	101	999	M
563.00 > 169.00	4.376	4.376	0.0	1.000	295079				1175	
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.387	4.387	0.0	1.267	242095	1.24		99.5	840	
33 N-ethylperfluorooctanesulfonamid										
584.00 > 419.00	4.387	4.387	0.0	1.000	370978	2.11		105	1105	M
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.478	4.478	0.0	1.184	3860479	2.02		107	3213	M
D 36 13C2 PFDaA										
615.00 > 570.00	4.612	4.612	0.0	1.331	1548883	1.29		103	1595	M
37 Perfluorododecanoic acid										
613.00 > 569.00	4.612	4.612	0.0	1.000	2704839	2.15	Target=6.97 6.56(3.48-10.45)	108	391	M
613.00 > 169.00	4.612	4.612	0.0	1.000	412597				1903	M
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.633	4.633	0.0	1.126	271494	2.15		111	1010	M
75 Perfluorododecanesulfonic acid (										
699.00 > 80.00	4.794	4.794	0.0	1.268	306518	1.43	Target=0.52 0.54(0.26-0.79)	73.8	2813	
699.00 > 99.00	4.794	4.794	0.0	1.268	569123				1896	M
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.824	4.837	-0.013	1.046	2242104	2.06	Target=4.56 4.66(2.28-6.84)	103	371	M
663.00 > 169.00	4.824	4.837	-0.013	1.046	481273				1595	
D 43 13C2 PFTeDA										
715.00 > 670.00	5.022	5.032	-0.010	1.450	943380	0.9584		76.7	2345	M
42 Perfluorotetradecanoic acid										
713.00 > 169.00	5.022	5.032	-0.010	1.000	259427	2.15	Target=0.94 0.97(0.47-1.41)	107	1660	M
713.00 > 219.00	5.022	5.032	-0.010	1.000	266311				1392	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	5.388	5.389	-0.001	1.000	1265488	2.19	Target=4.38	109	364	
813.00 > 169.00	5.388	5.389	-0.001	1.000	287095		4.41(2.19-6.57)		2266	
D 44 13C2 PFHxDA										
815.00 > 770.00	5.388	5.389	-0.001	1.556	802038	0.7153		57.2	2581	
46 Perfluorooctadecanoic acid										
913.00 > 869.00	5.740	5.740	0.0	1.065	967536	2.27	Target=4.31	113	309	M
913.00 > 169.00	5.731	5.740	-0.009	1.064	219800		4.40(2.16-6.47)		666	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A20.d

Injection Date: 09-Aug-2022 18:26:39

Instrument ID: LC812

Lims ID: 200-64441-A-11-B MS

Client ID: SP-02

Operator ID: lc812tech

ALS Bottle#: 17

Worklist Smp#: 20

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

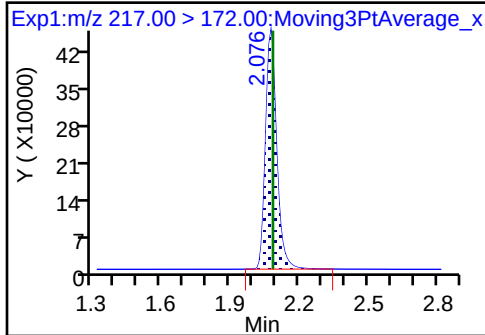
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

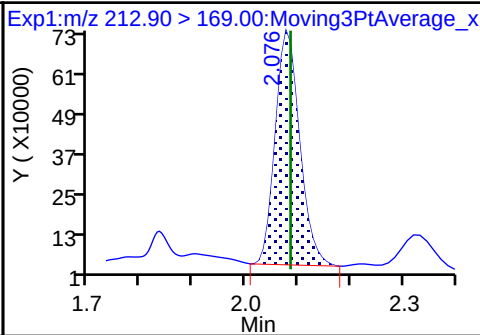
D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

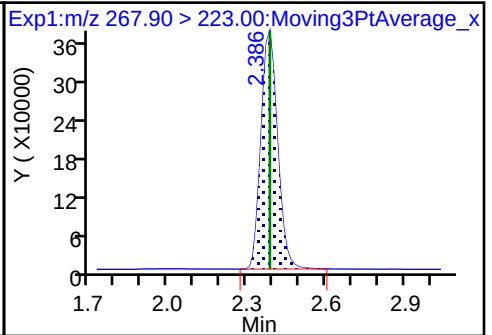
D 3 13C5 PFPeA



RT



RT

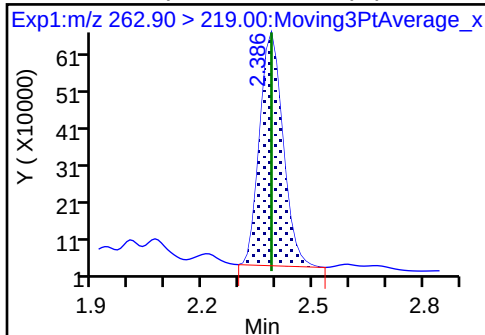


RT

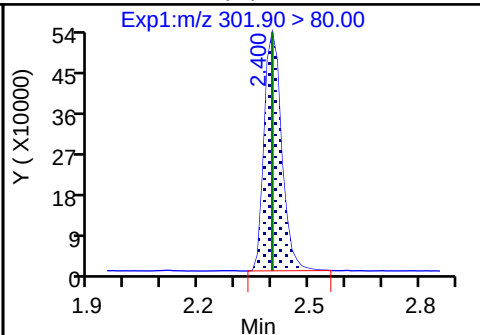
4 Perfluoropentanoic acid (M)

D 47 13C3 PFBS (M)

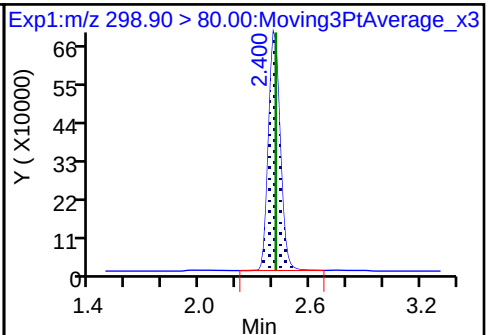
5 Perfluorobutanesulfonic acid



RT



RT

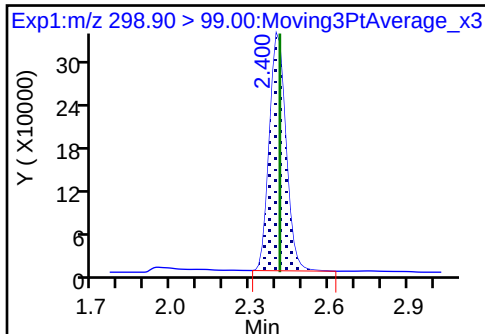


RT

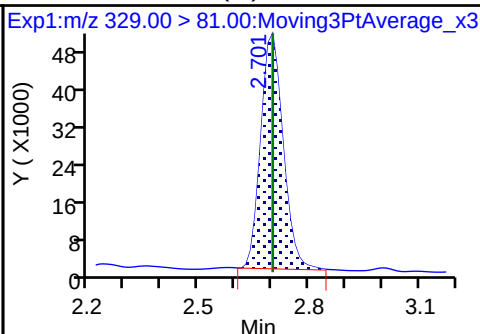
5 Perfluorobutanesulfonic acid

D 60 M2-4:2 FTS (M)

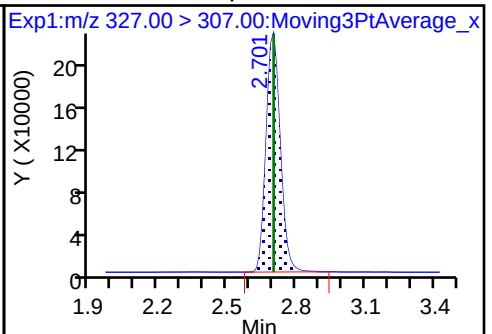
61 1H,1H,2H,2H-perfluorohexanesulfo



RT



RT

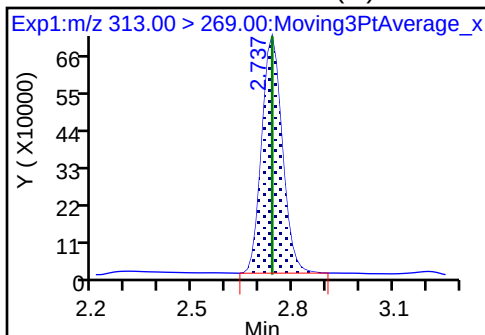


RT

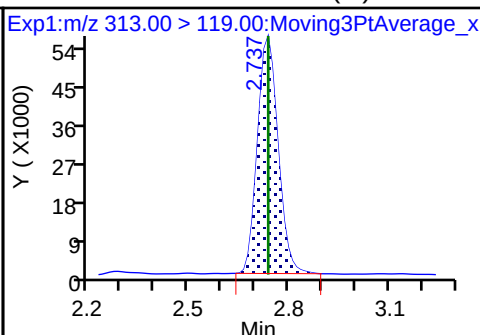
6 Perfluorohexanoic acid (M)

6 Perfluorohexanoic acid (M)

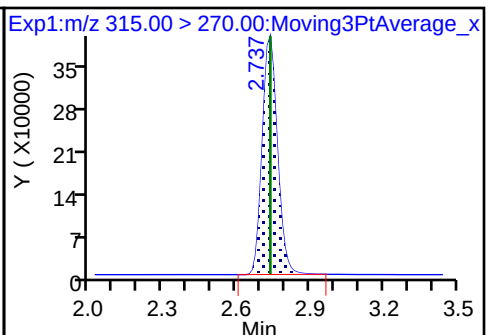
D 7 13C2 PFHxA



RT



RT

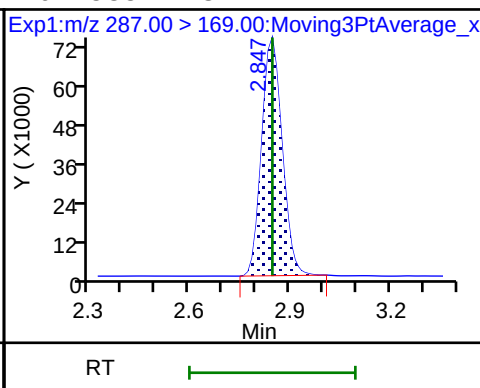
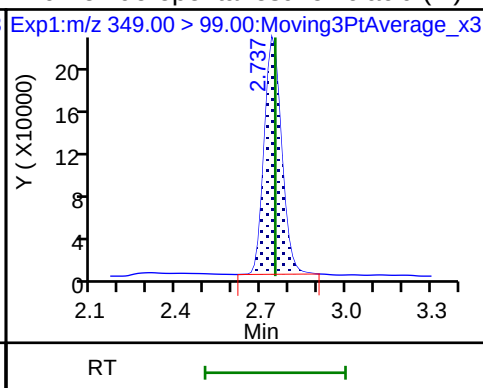
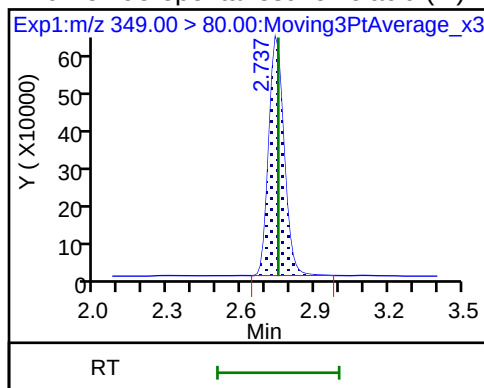


RT

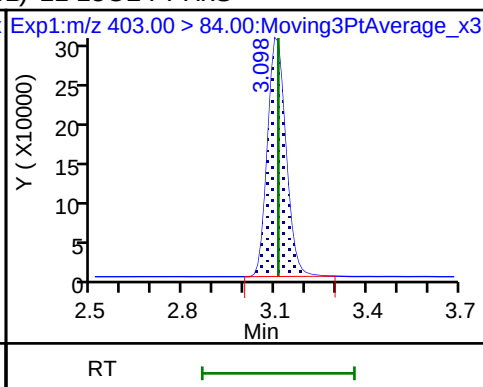
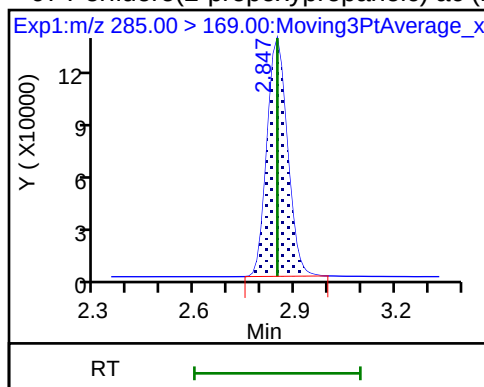
70 Perfluoropentanesulfonic acid (M)

70 Perfluoropentanesulfonic acid (M)

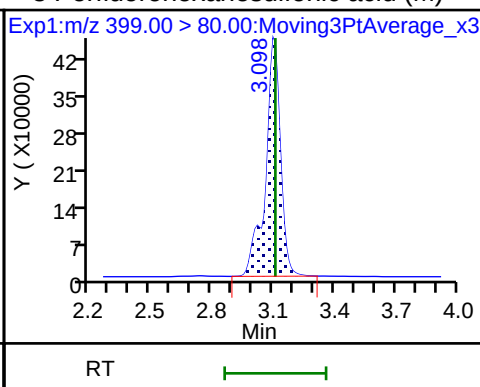
D 64 13C3 HFPO-DA



67 Perfluoro(2-propoxypropanoic) ac (M)



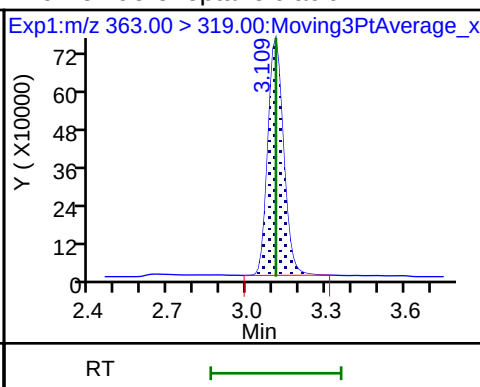
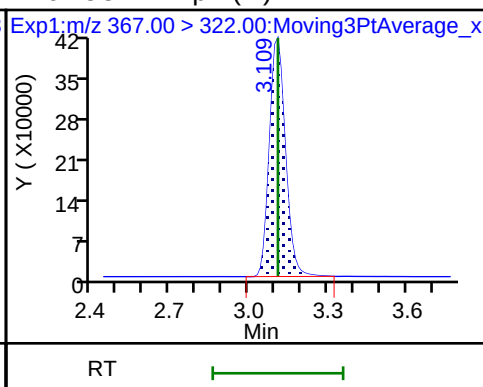
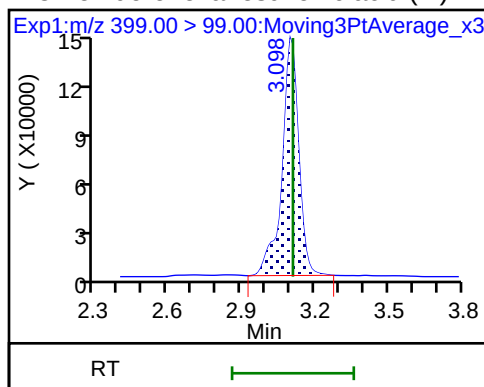
8 Perfluorohexanesulfonic acid (M)



8 Perfluorohexanesulfonic acid (M)

D 9 13C4 PFHpA (M)

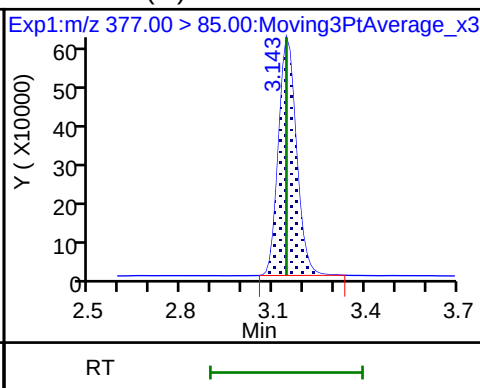
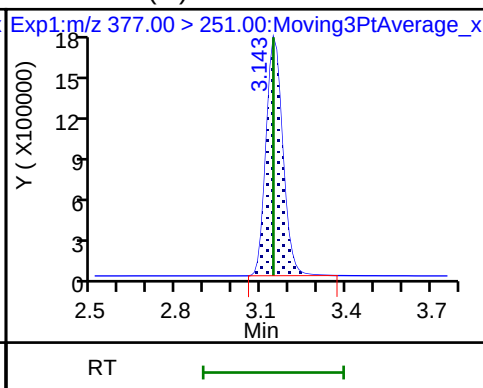
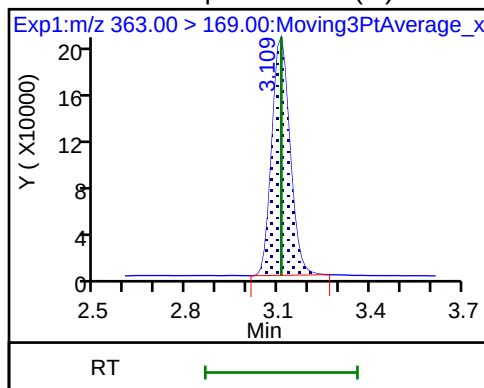
10 Perfluoroheptanoic acid



10 Perfluoroheptanoic acid (M)

77 DONA (M)

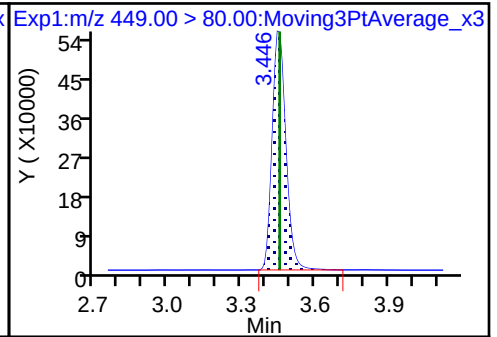
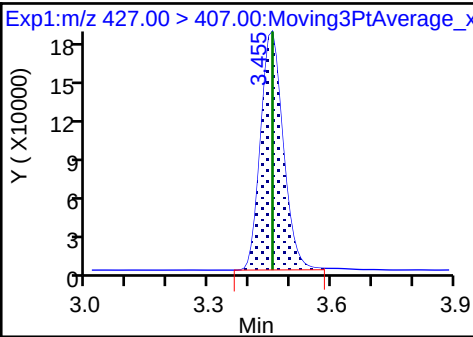
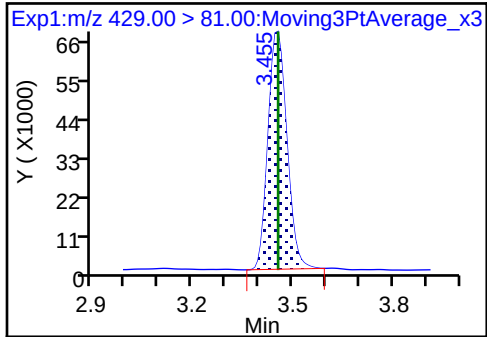
77 DONA (M)



D 12 M2-6:2 FTS (M)

13 1H,1H,2H,2H-perfluorooctanesulfo (M)

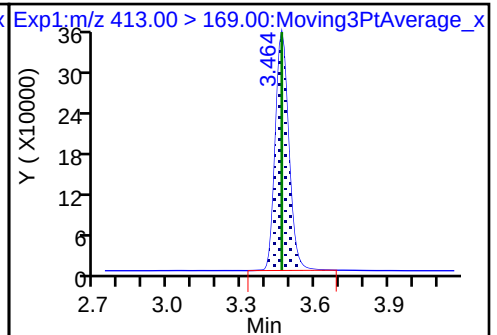
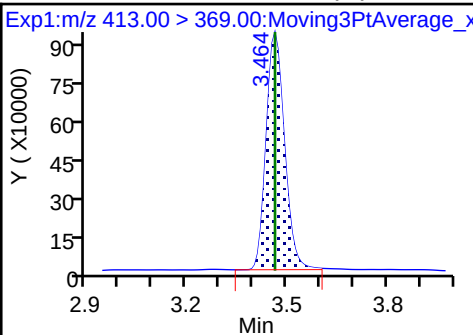
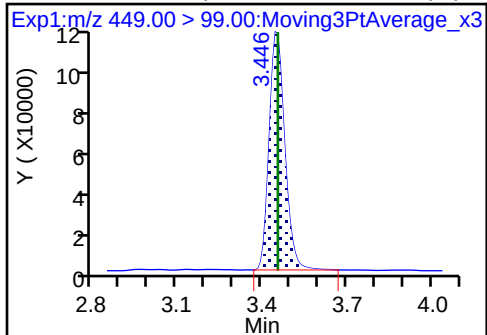
16 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M)

15 Perfluorooctanoic acid (M)

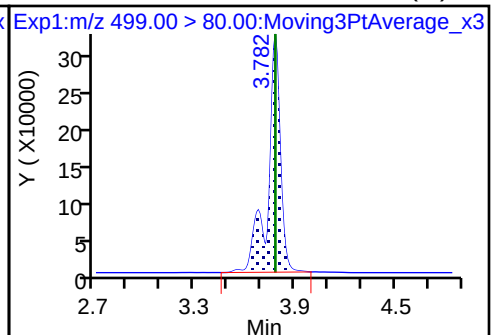
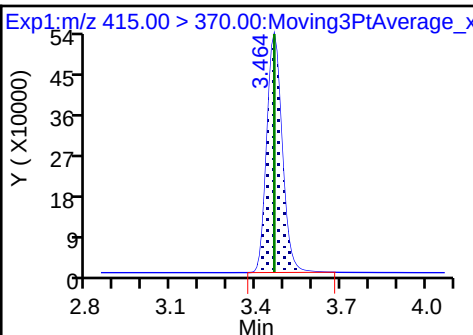
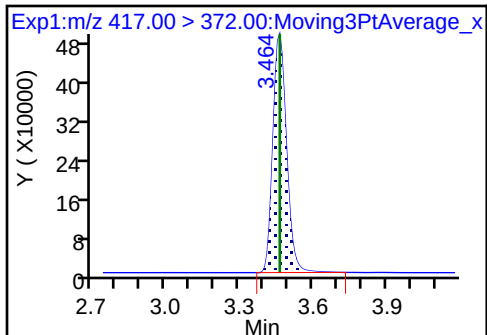
15 Perfluorooctanoic acid



D 14 13C4 PFOA

* 62 13C2 PFOA

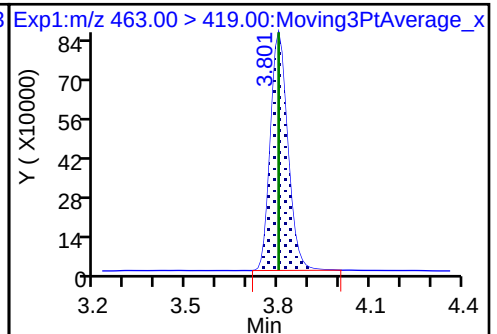
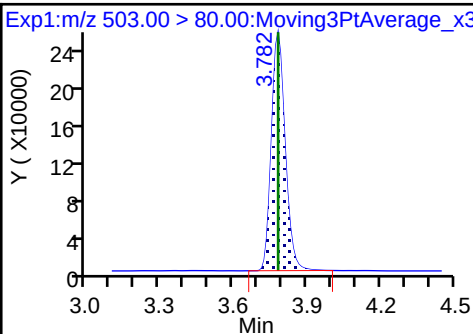
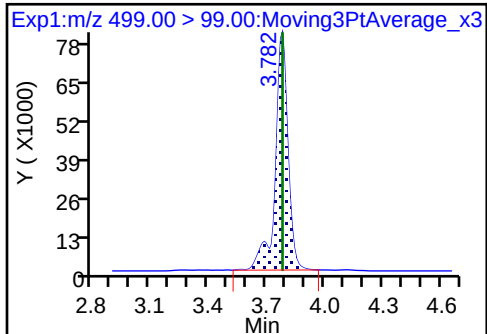
17 Perfluorooctanesulfonic acid (M)

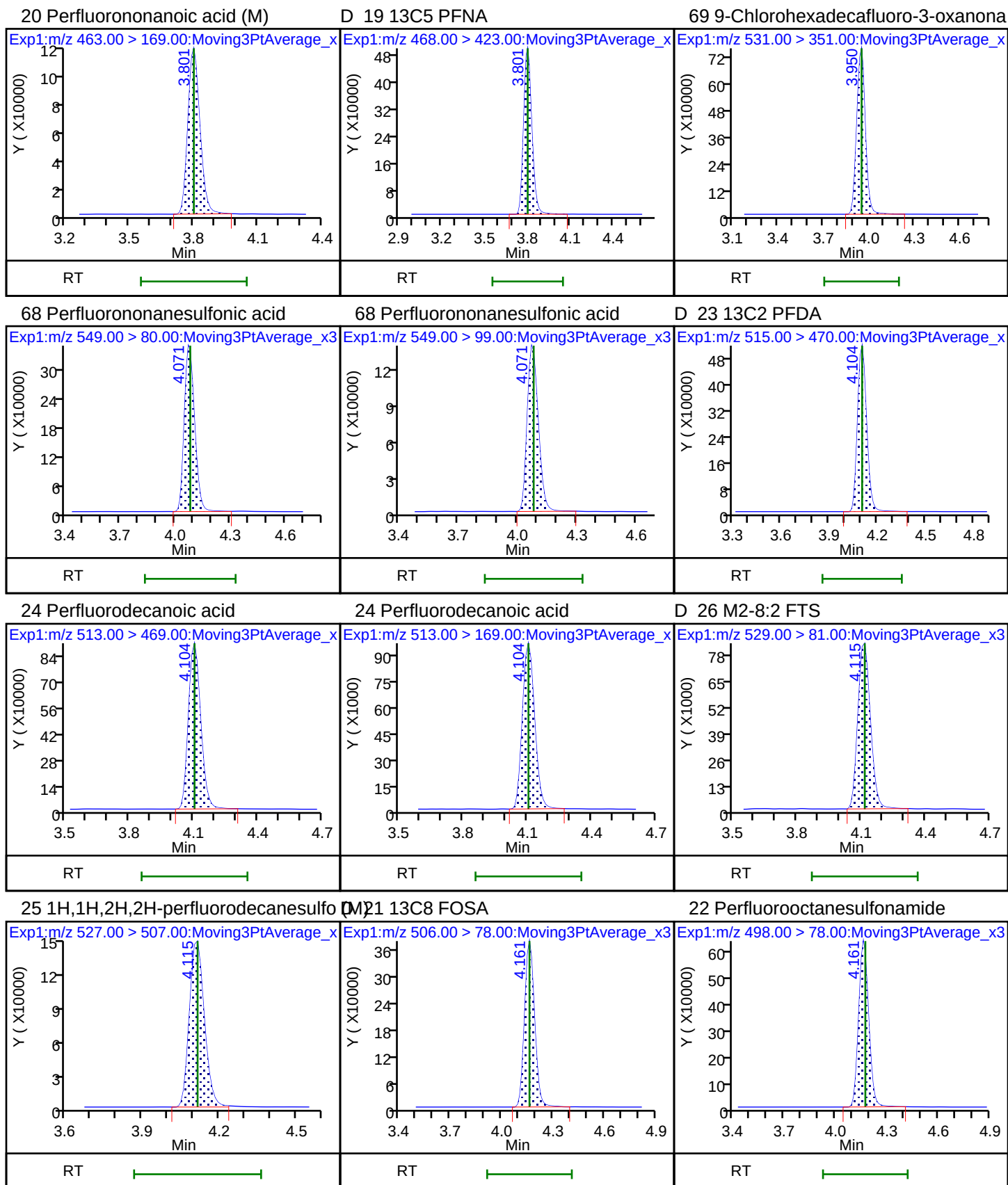


17 Perfluorooctanesulfonic acid (M)

D 18 13C4 PFOS

20 Perfluorononanoic acid (M)

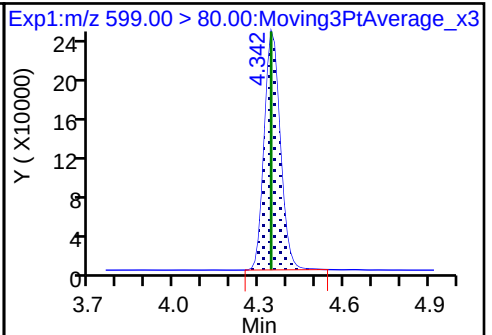
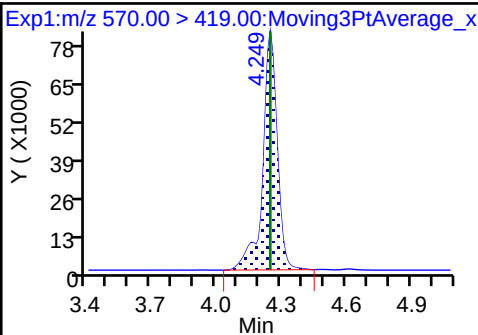
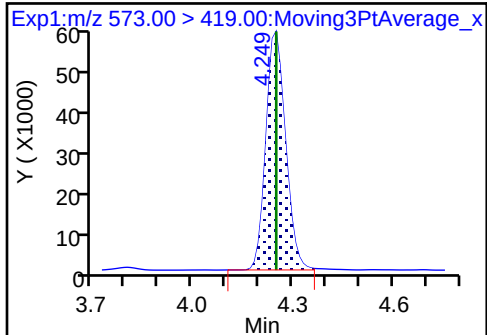




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami (M)

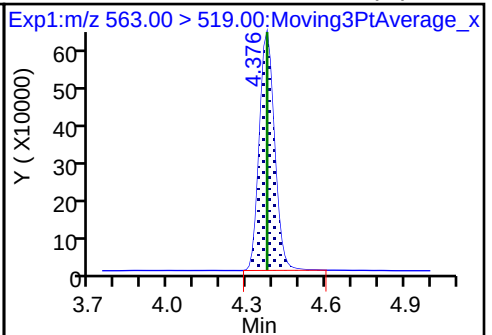
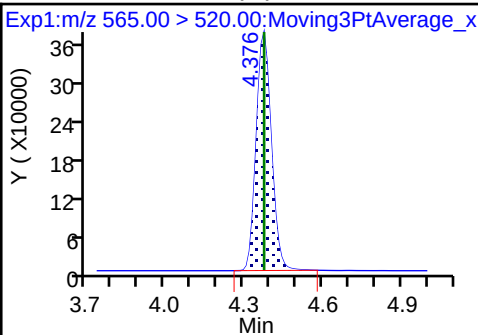
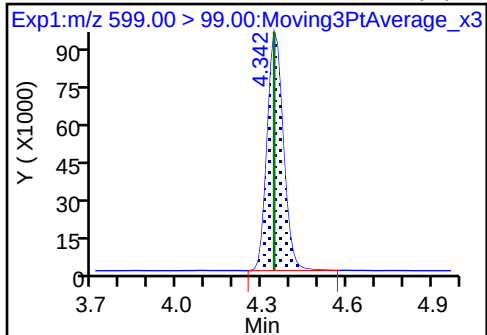
29 Perfluorodecanesulfonic acid (M)



29 Perfluorodecanesulfonic acid (M)

D 30 13C2 PFUnA (M)

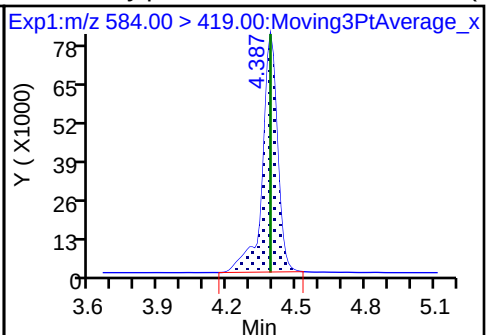
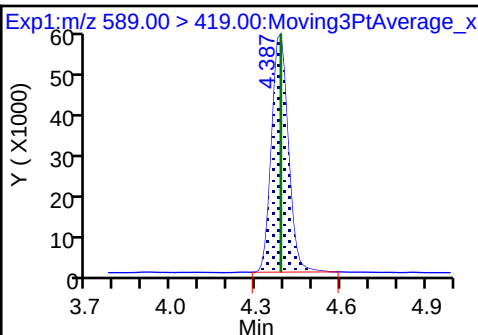
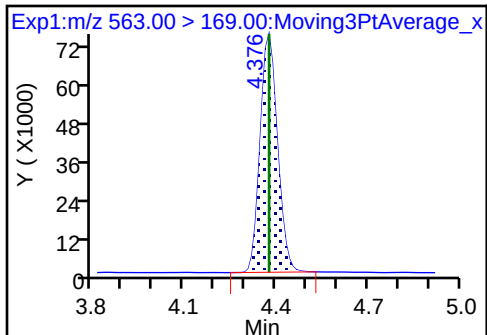
31 Perfluoroundecanoic acid (M)



31 Perfluoroundecanoic acid

D 32 d5-NEtFOSAA

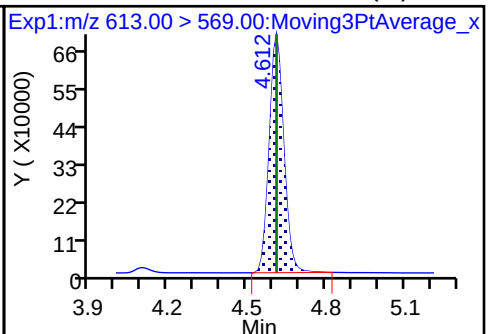
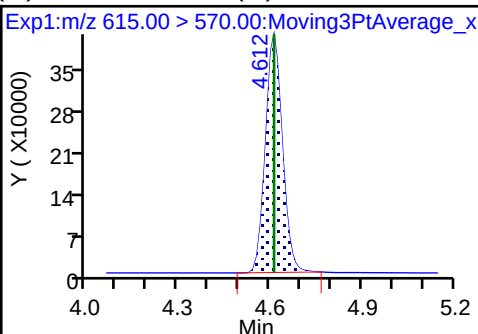
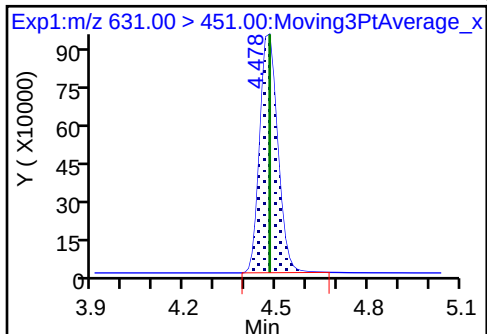
33 N-ethylperfluorooctanesulfonamid (M)

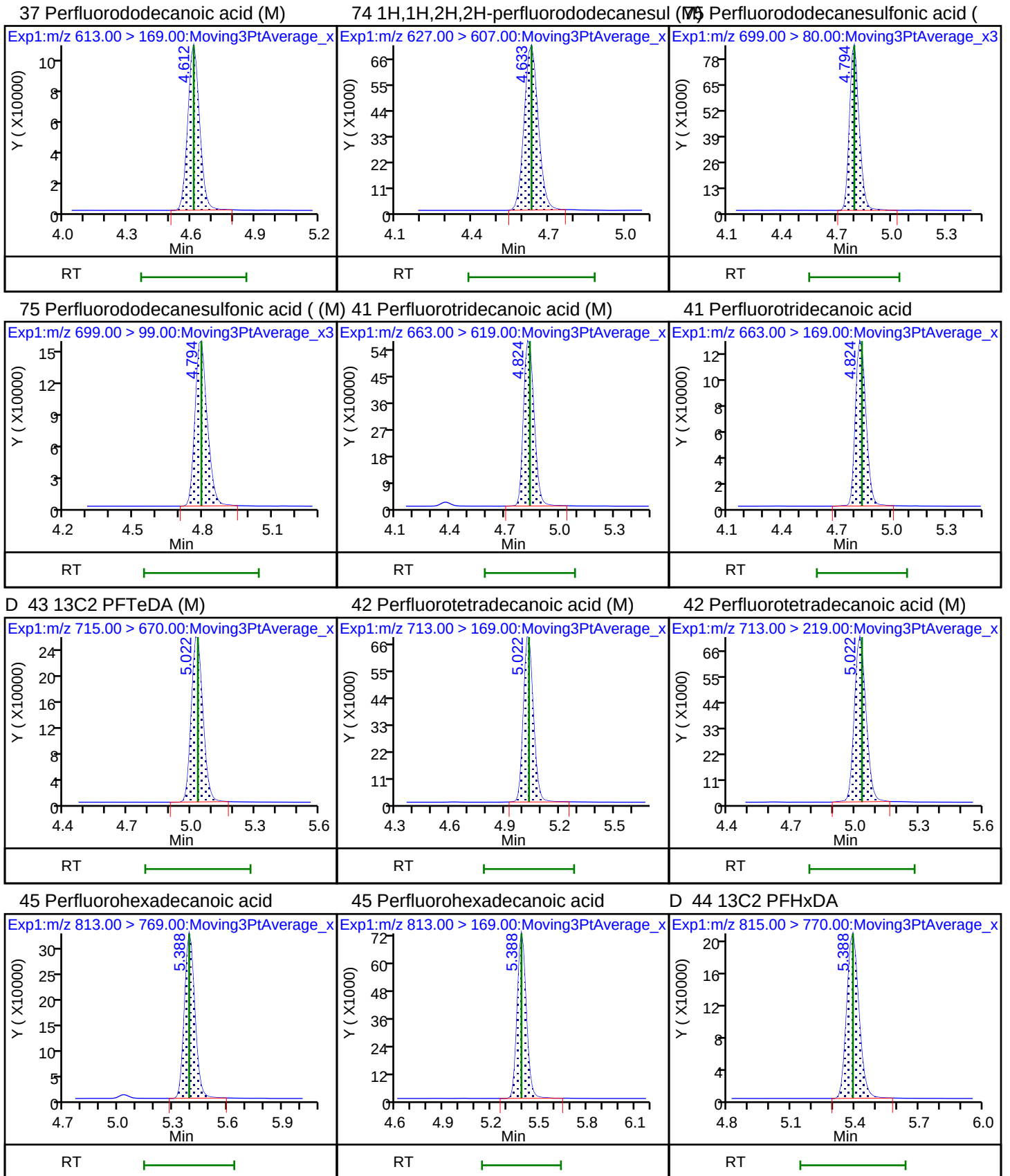


66 11-Chloroeicosafluoro-3-oxaundec (M)

36 13C2 PFDa (M)

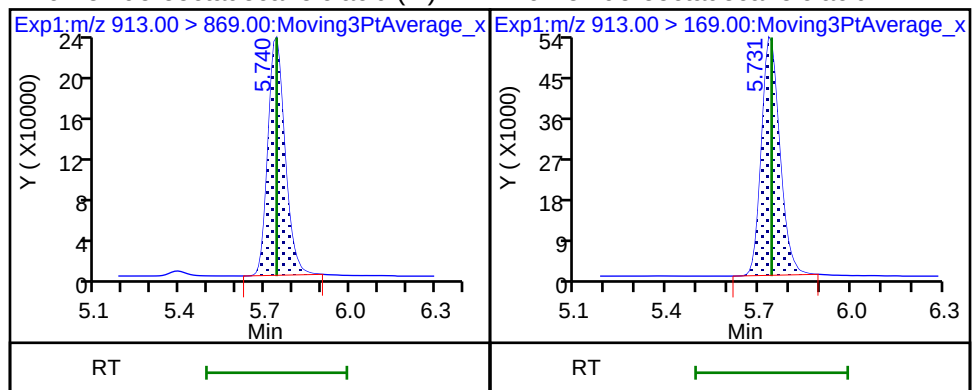
37 Perfluorododecanoic acid (M)





46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid



Eurofins Burlington

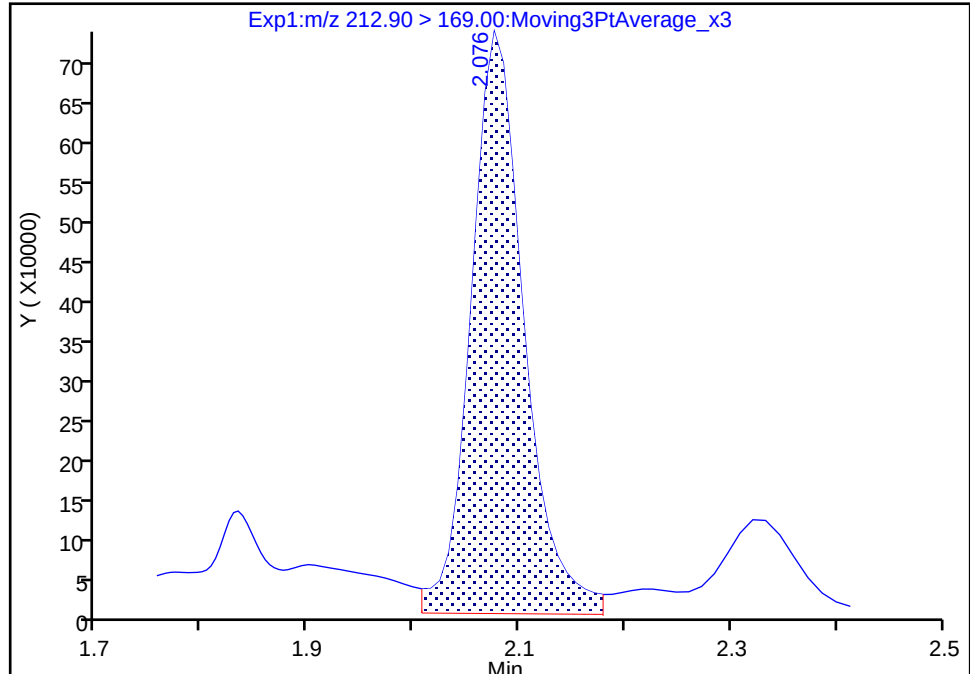
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A20.d
Injection Date: 09-Aug-2022 18:26:39 Instrument ID: LC812
Lims ID: 200-64441-A-11-B MS
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

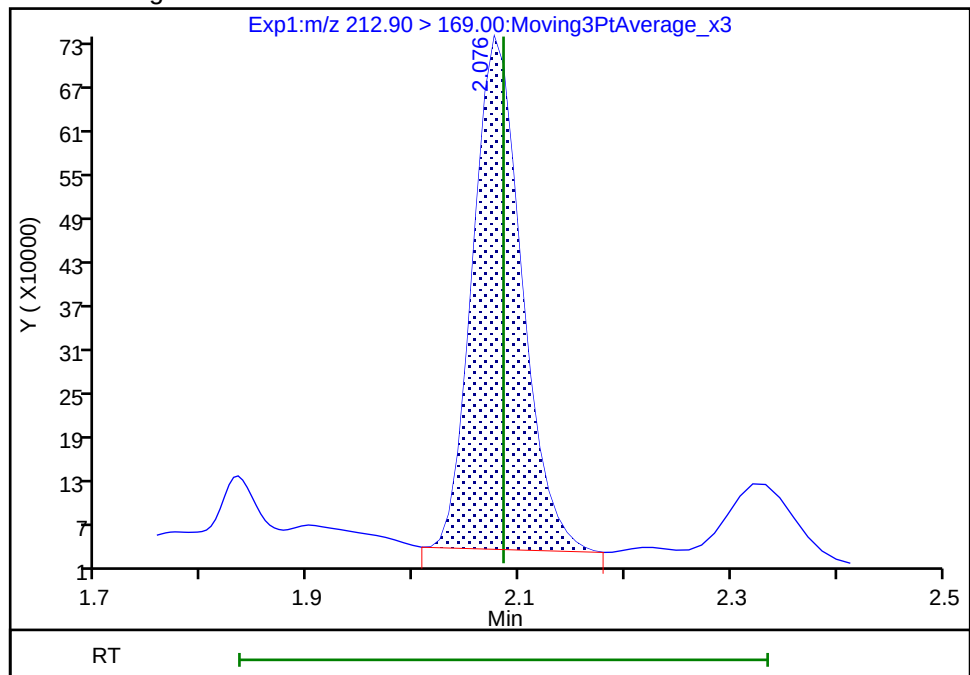
RT: 2.08
Area: 2524803
Amount: 2.154023
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 2242743
Amount: 1.913385
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:36:28

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

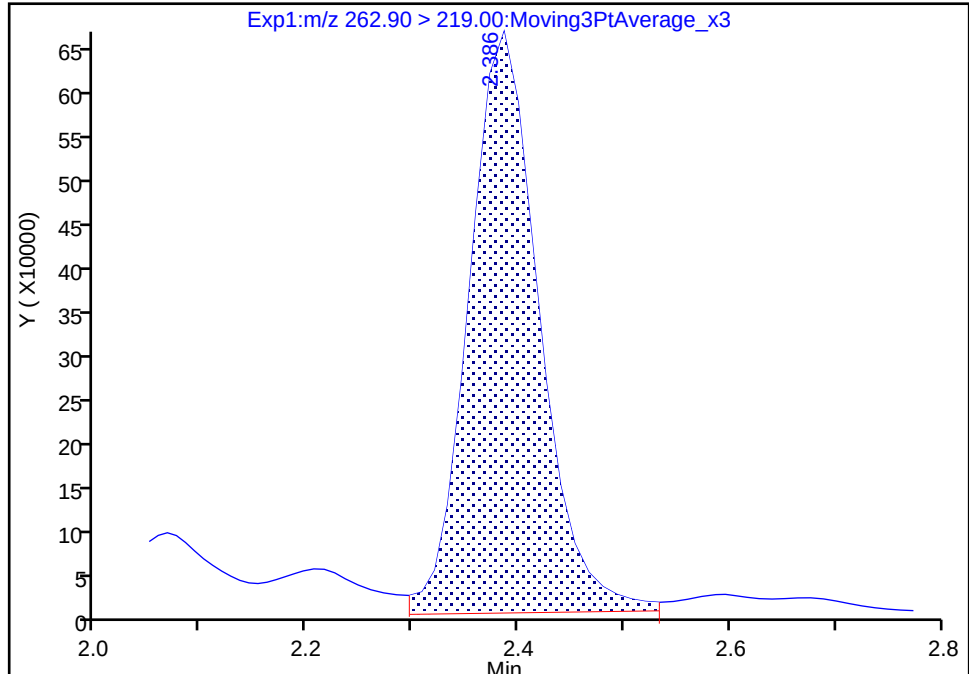
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A20.d
Injection Date: 09-Aug-2022 18:26:39 Instrument ID: LC812
Lims ID: 200-64441-A-11-B MS
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

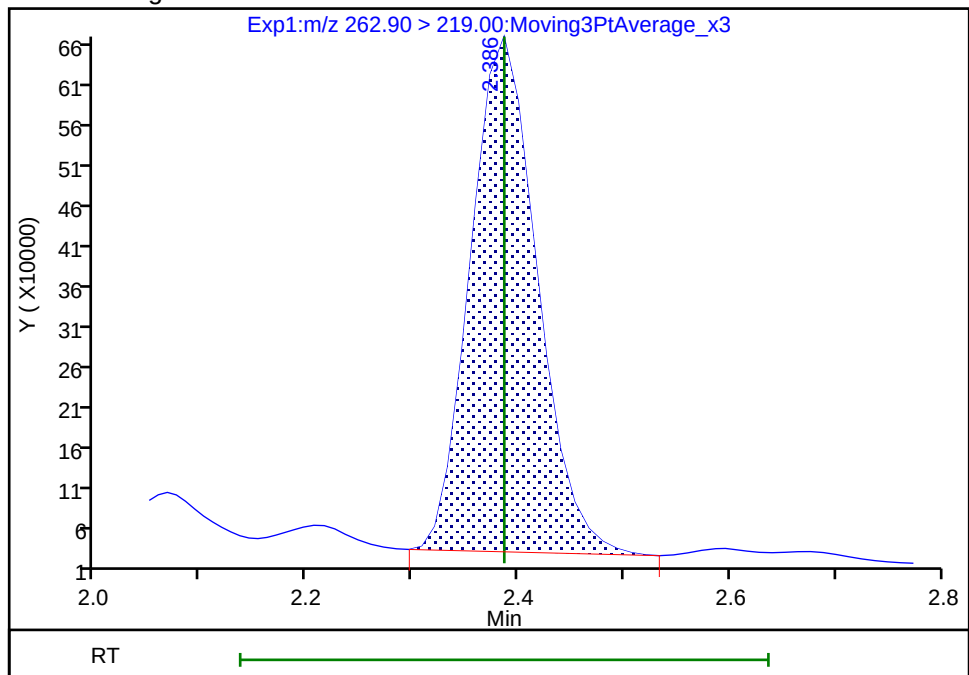
RT: 2.39
Area: 3011835
Amount: 2.219560
Amount Units: ng/ml

Processing Integration Results



RT: 2.39
Area: 2793226
Amount: 2.058457
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:36:33

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

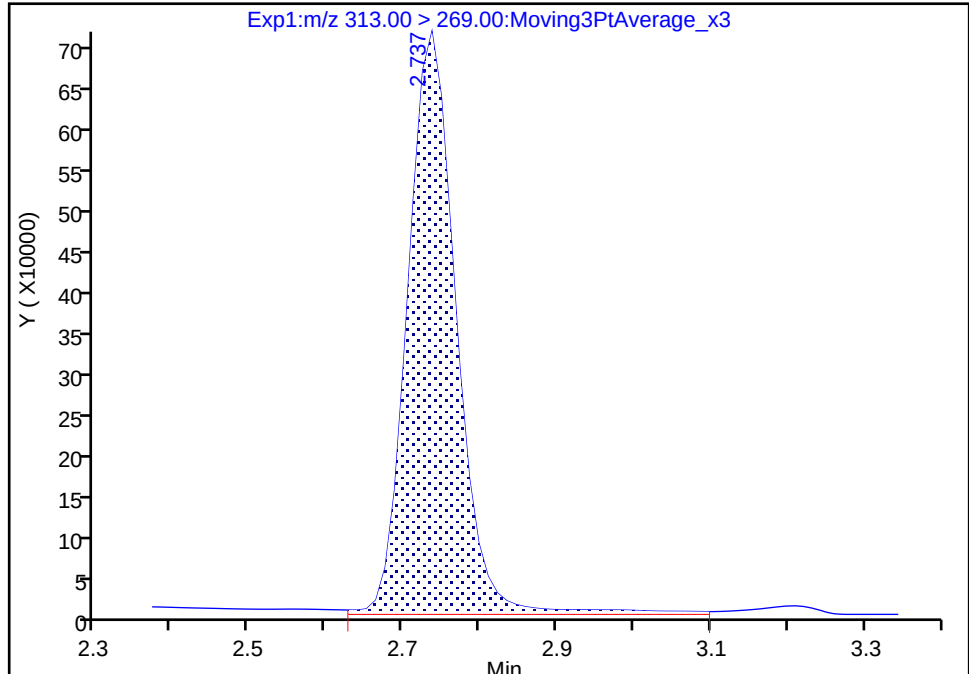
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A20.d
Injection Date: 09-Aug-2022 18:26:39 Instrument ID: LC812
Lims ID: 200-64441-A-11-B MS
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

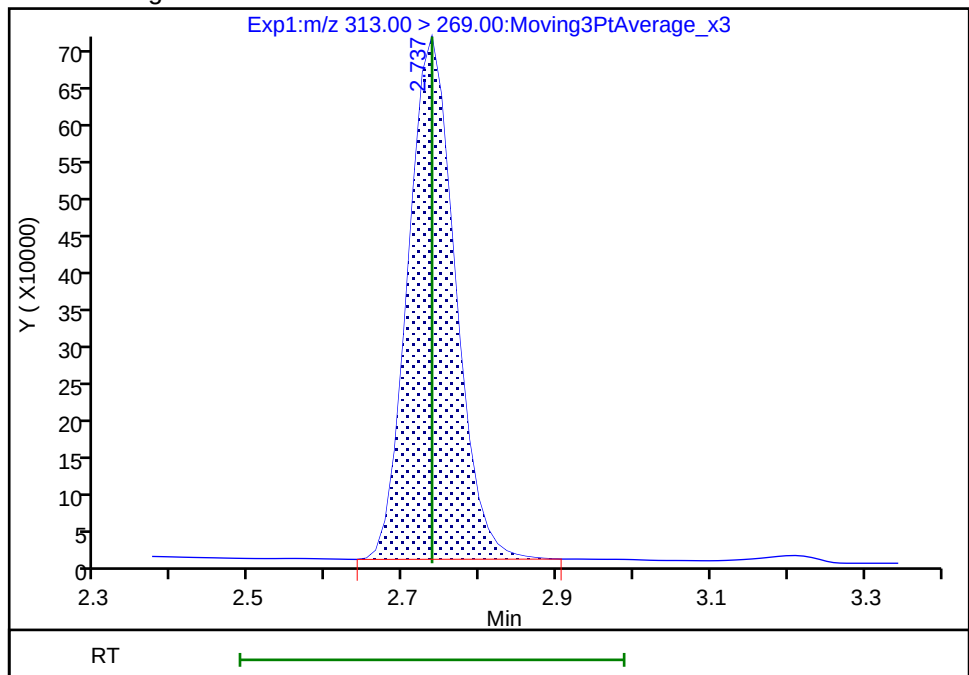
RT: 2.74
Area: 3148477
Amount: 2.213806
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 3005064
Amount: 2.112967
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:36:55

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

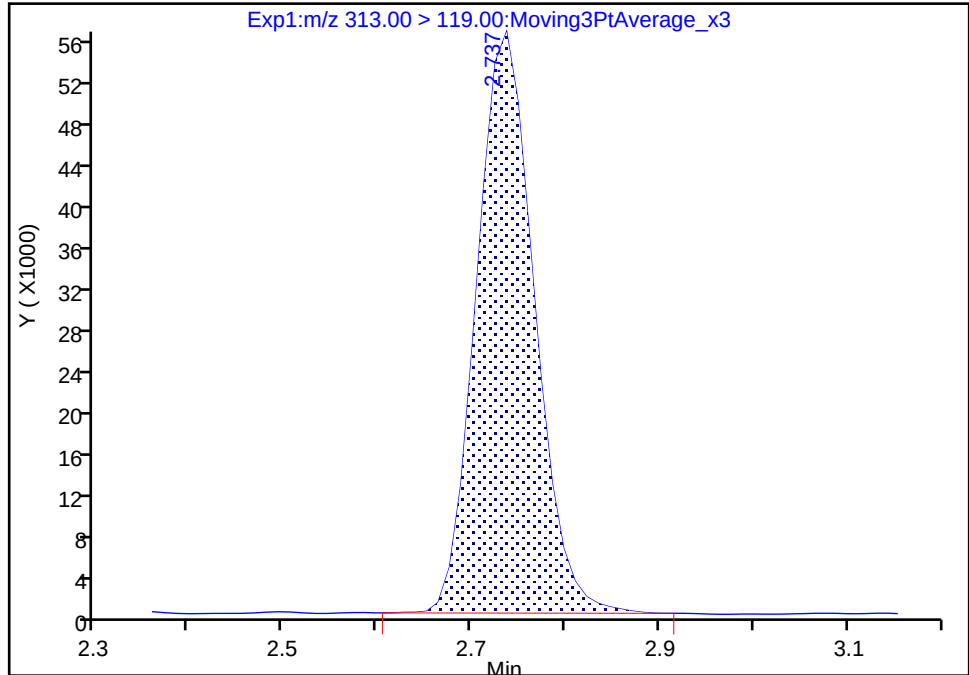
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A20.d
Injection Date: 09-Aug-2022 18:26:39 Instrument ID: LC812
Lims ID: 200-64441-A-11-B MS
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

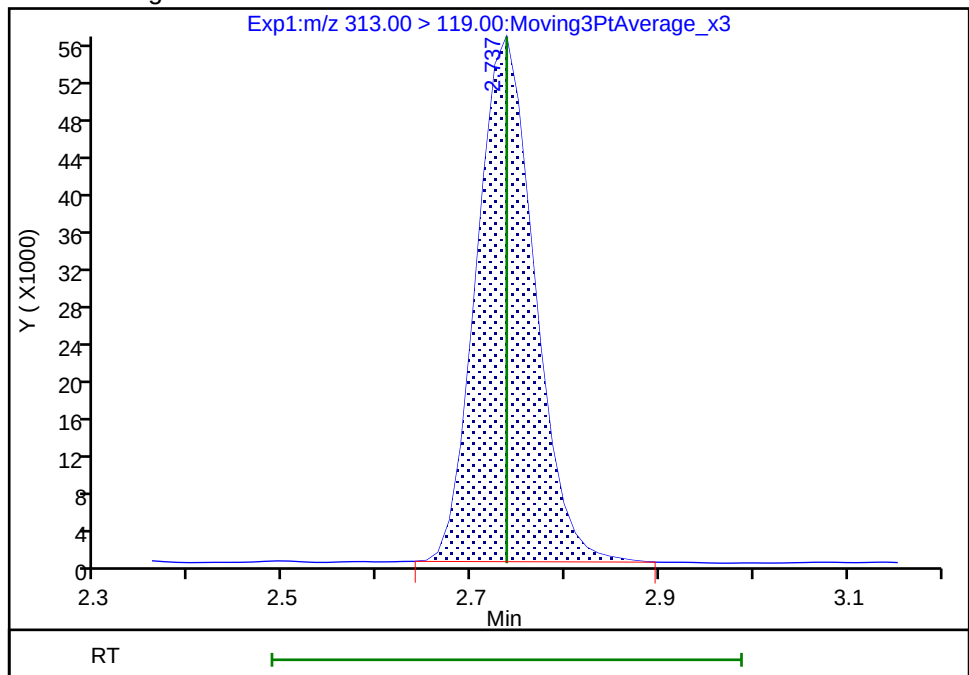
RT: 2.74
Area: 241293
Amount: 2.213806
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 240650
Amount: 2.112967
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:37:00

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

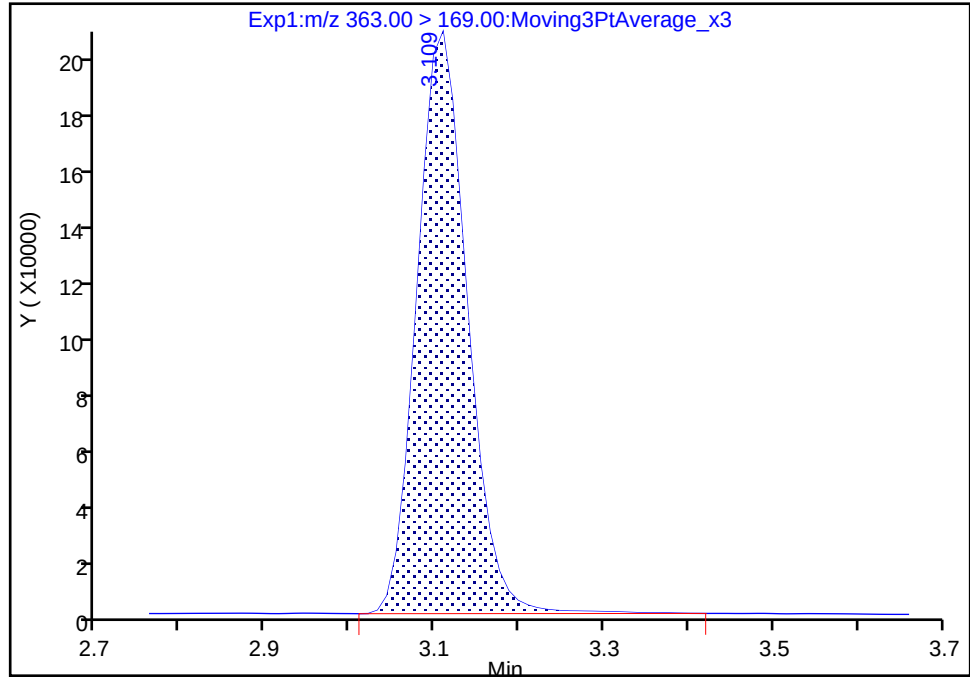
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A20.d
Injection Date: 09-Aug-2022 18:26:39 Instrument ID: LC812
Lims ID: 200-64441-A-11-B MS
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

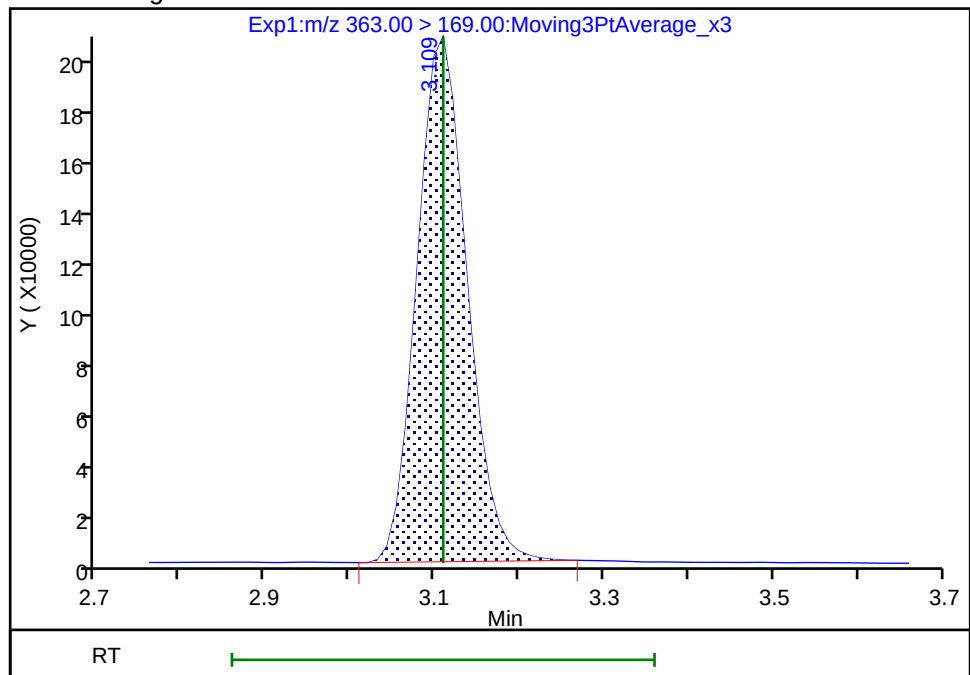
RT: 3.11
Area: 836440
Amount: 2.154727
Amount Units: ng/ml

Processing Integration Results



RT: 3.11
Area: 826804
Amount: 2.157577
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:37:43

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

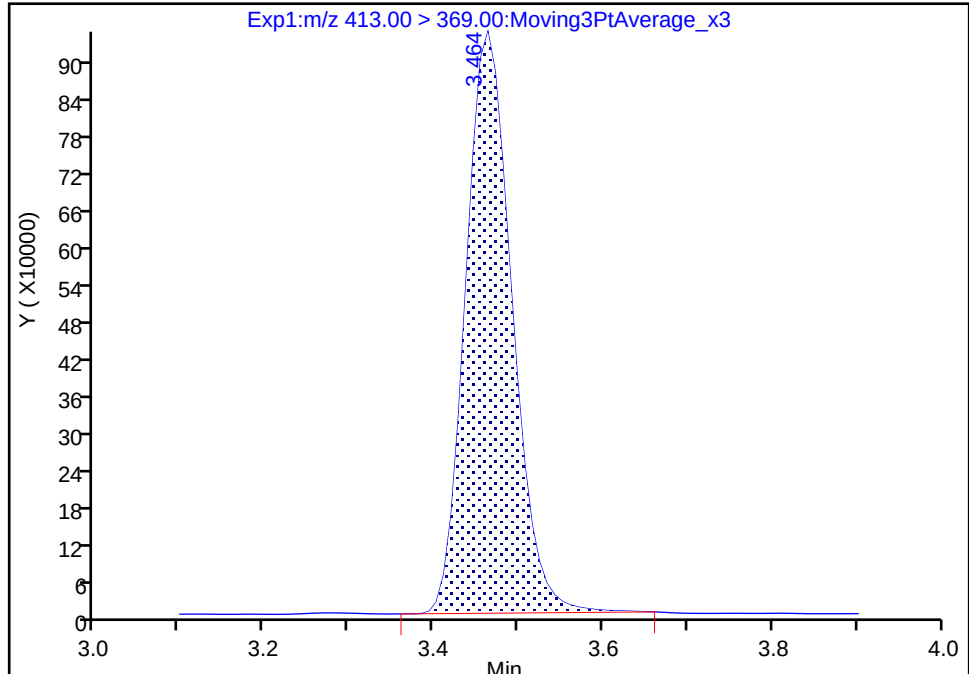
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A20.d
Injection Date: 09-Aug-2022 18:26:39 Instrument ID: LC812
Lims ID: 200-64441-A-11-B MS
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

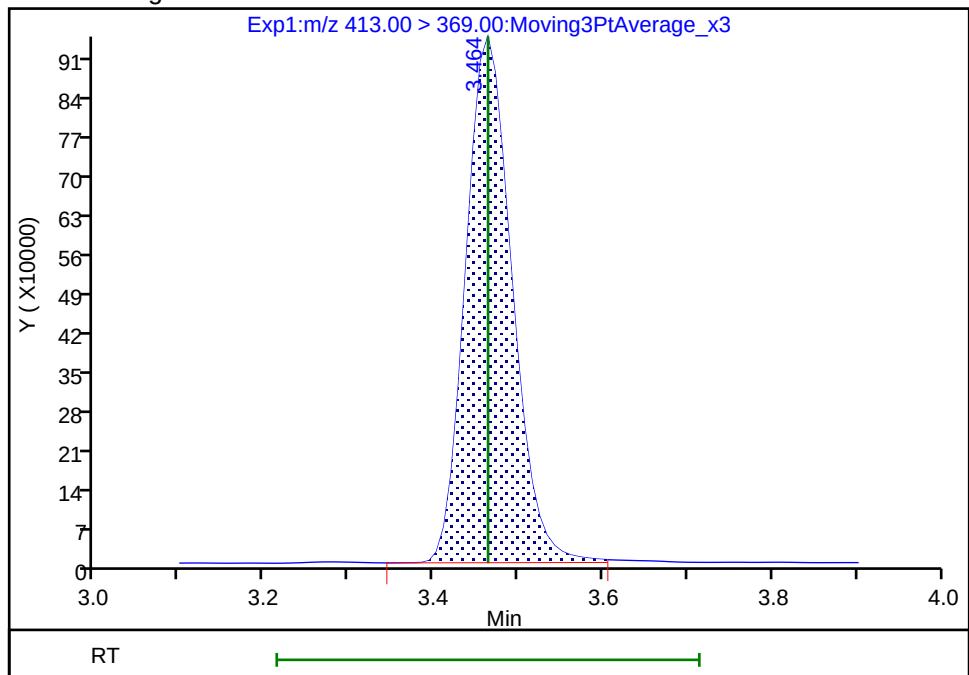
RT: 3.46
Area: 3569699
Amount: 2.077585
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 3580374
Amount: 2.083798
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:38:23

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

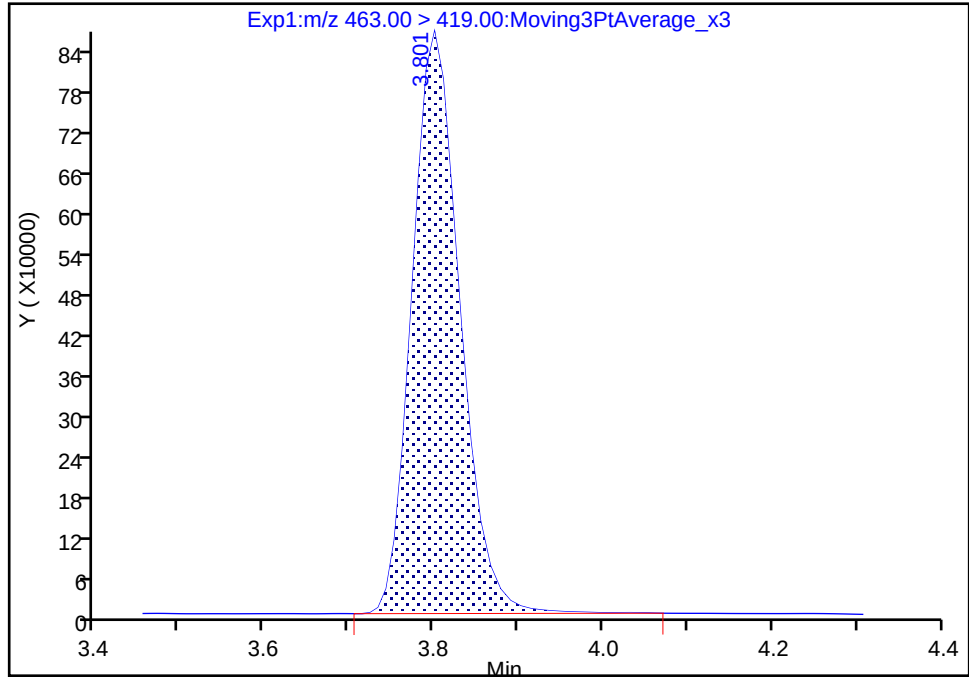
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A20.d
Injection Date: 09-Aug-2022 18:26:39 Instrument ID: LC812
Lims ID: 200-64441-A-11-B MS
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

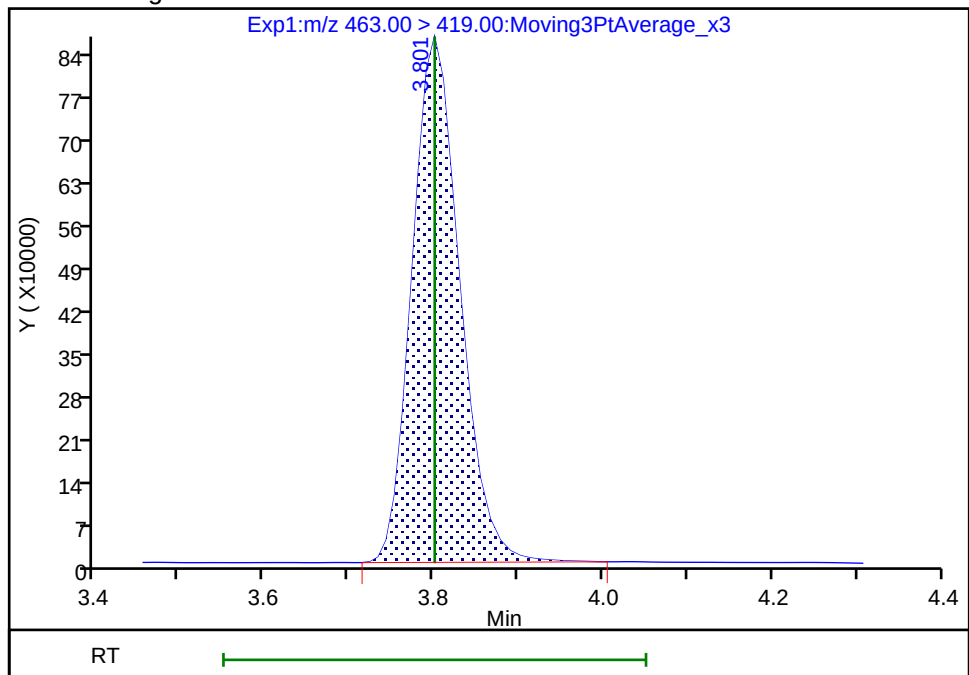
RT: 3.80
Area: 3396202
Amount: 2.144592
Amount Units: ng/ml

Processing Integration Results



RT: 3.80
Area: 3387162
Amount: 2.138884
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:38:53

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

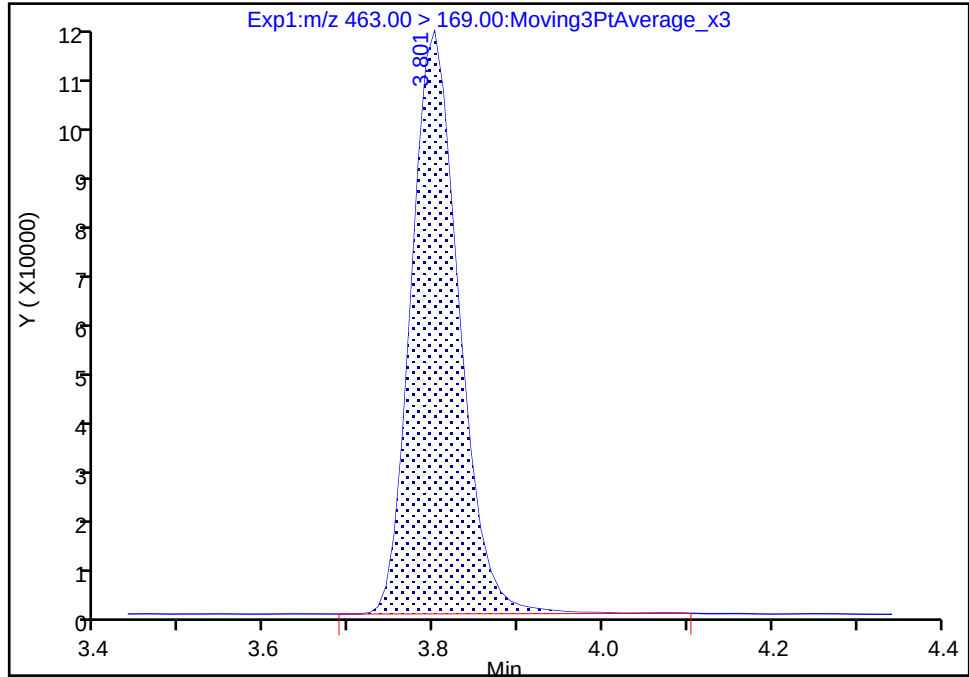
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A20.d
Injection Date: 09-Aug-2022 18:26:39 Instrument ID: LC812
Lims ID: 200-64441-A-11-B MS
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

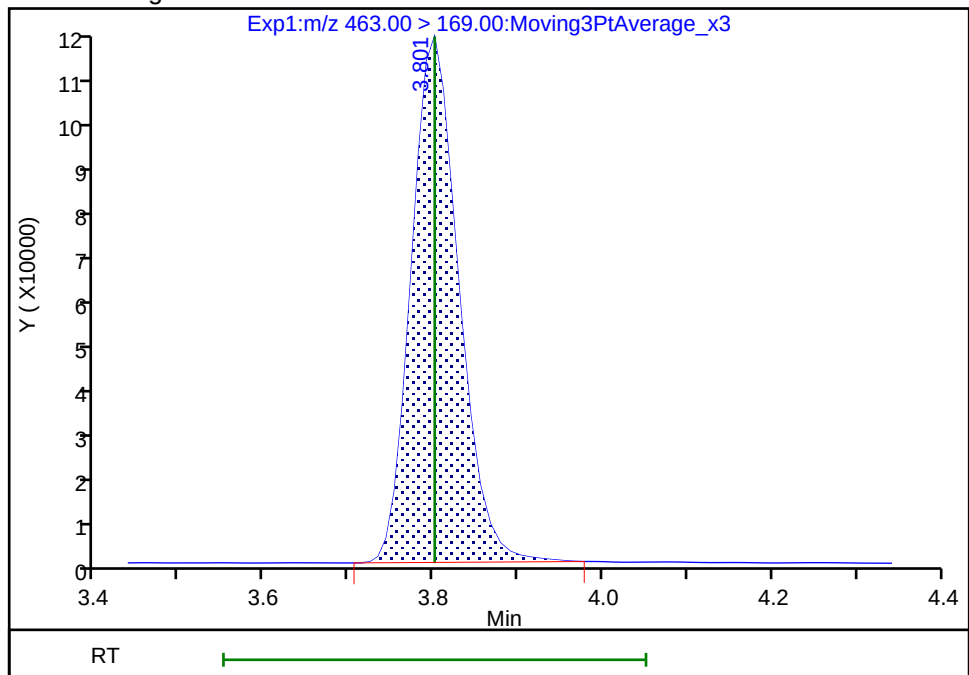
RT: 3.80
Area: 439861
Amount: 2.144592
Amount Units: ng/ml

Processing Integration Results



RT: 3.80
Area: 437368
Amount: 2.138884
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:38:58

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

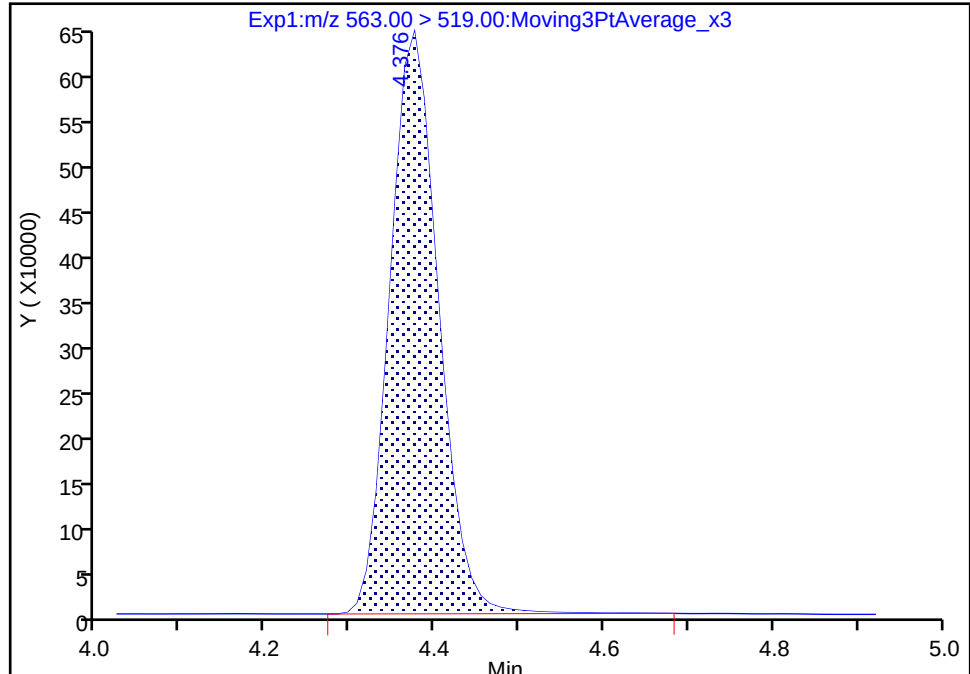
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A20.d
Injection Date: 09-Aug-2022 18:26:39 Instrument ID: LC812
Lims ID: 200-64441-A-11-B MS
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

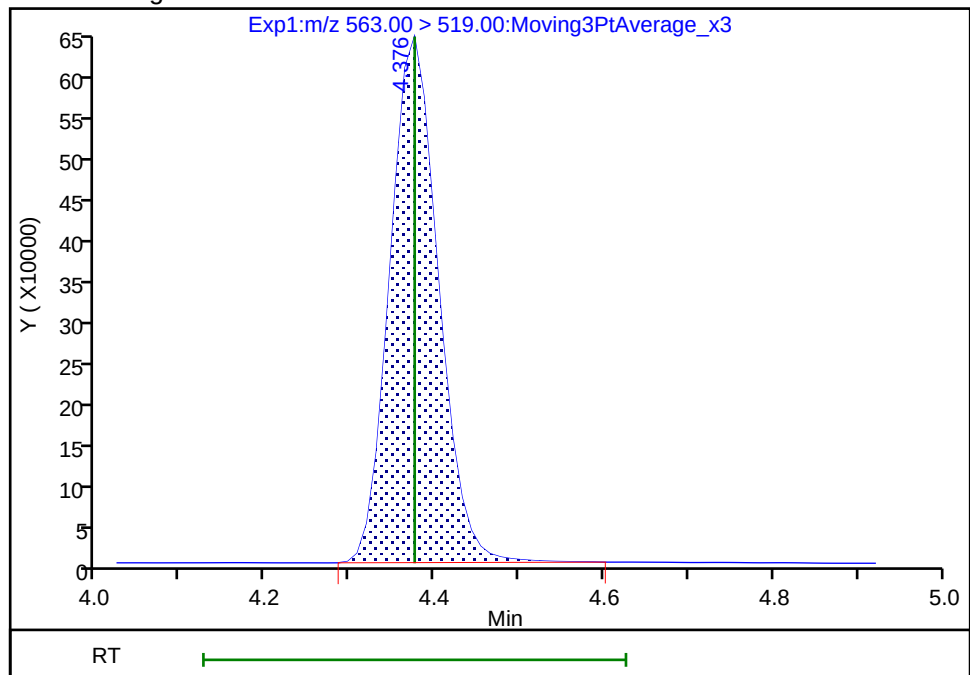
RT: 4.38
Area: 2589145
Amount: 2.014448
Amount Units: ng/ml

Processing Integration Results



RT: 4.38
Area: 2583132
Amount: 2.018046
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:39:36

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

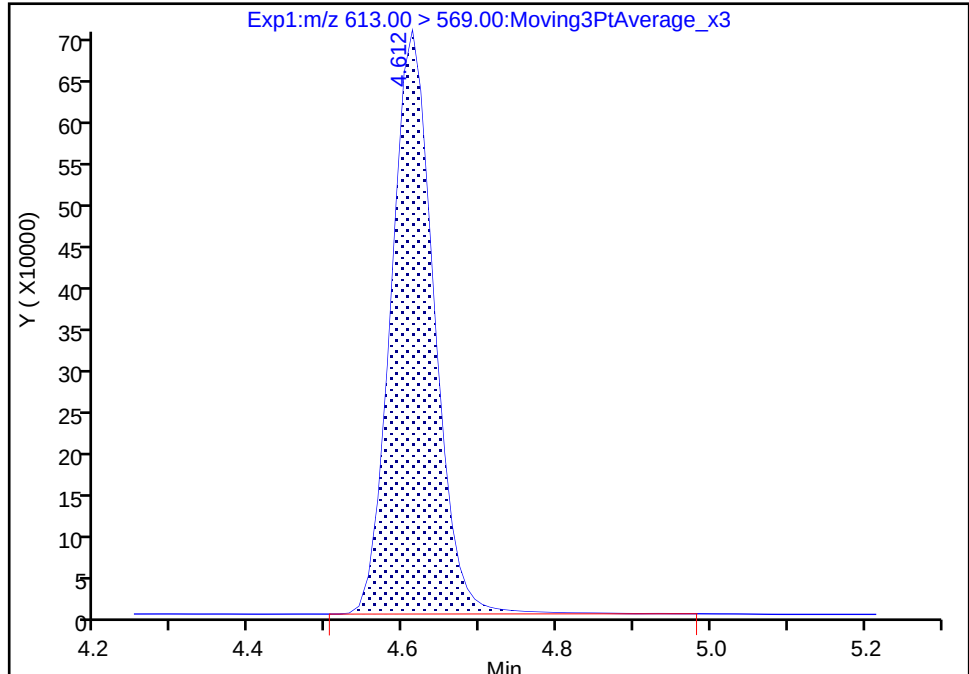
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A20.d
Injection Date: 09-Aug-2022 18:26:39 Instrument ID: LC812
Lims ID: 200-64441-A-11-B MS
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

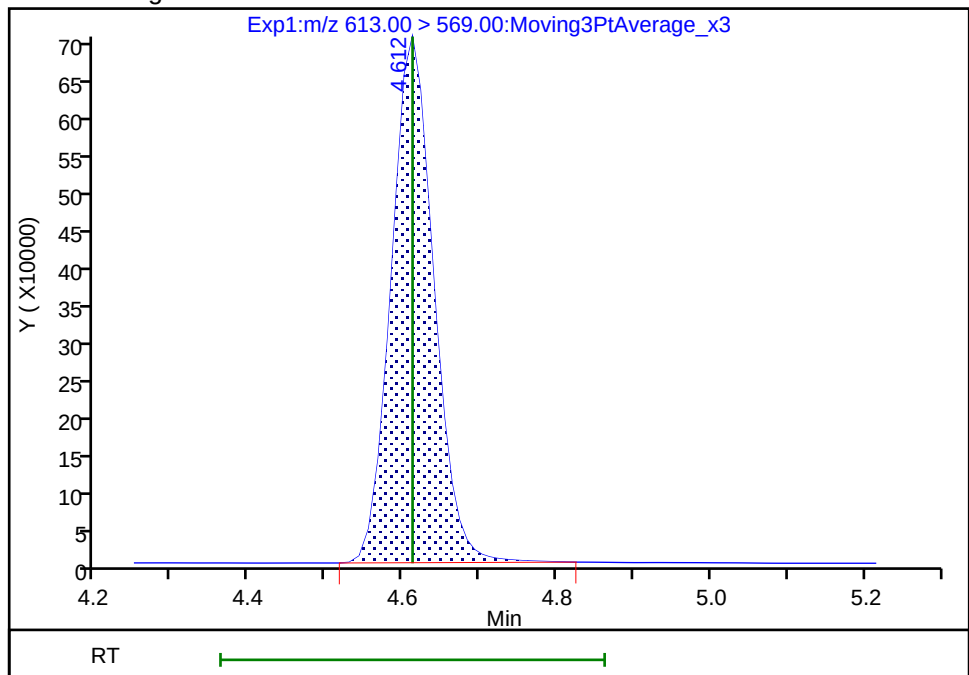
RT: 4.61
Area: 2716204
Amount: 2.142541
Amount Units: ng/ml

Processing Integration Results



RT: 4.61
Area: 2704839
Amount: 2.152476
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:39:56

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

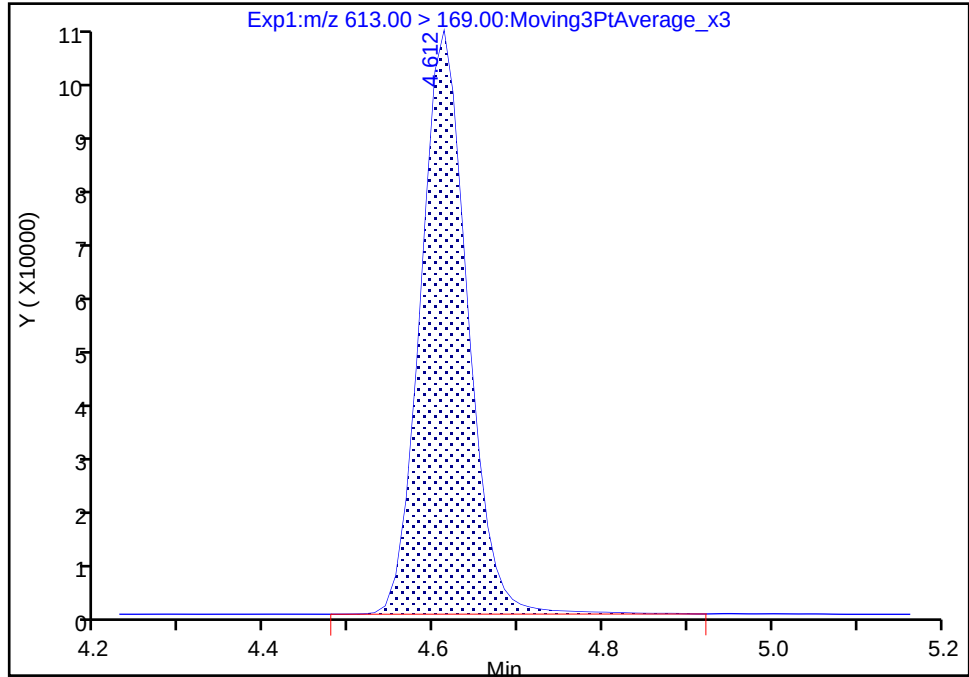
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A20.d
Injection Date: 09-Aug-2022 18:26:39 Instrument ID: LC812
Lims ID: 200-64441-A-11-B MS
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

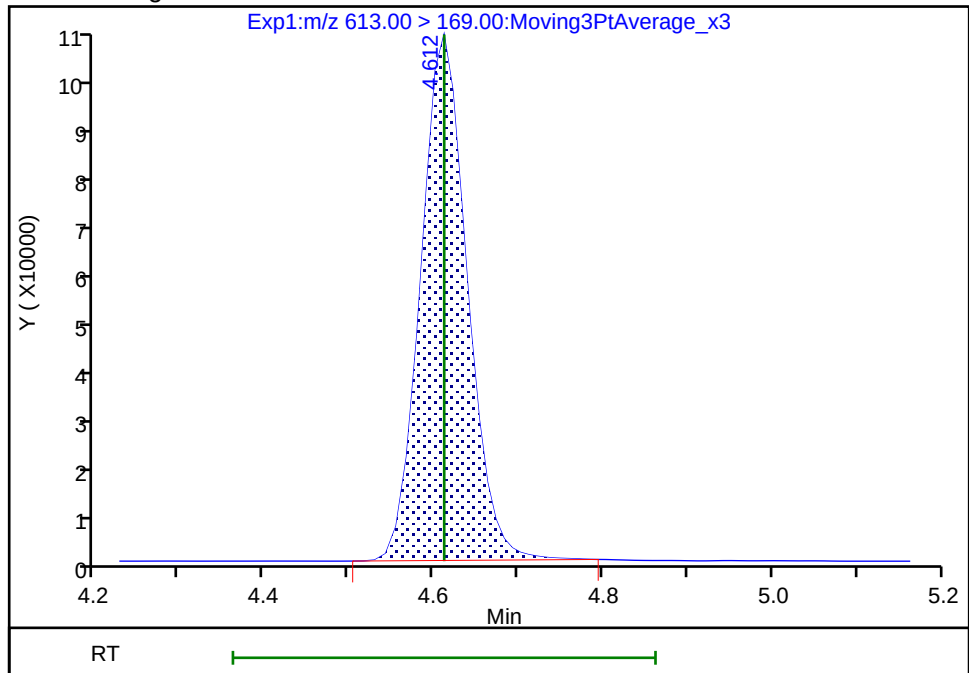
RT: 4.61
Area: 416347
Amount: 2.142541
Amount Units: ng/ml

Processing Integration Results



RT: 4.61
Area: 412597
Amount: 2.152476
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:40:03

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

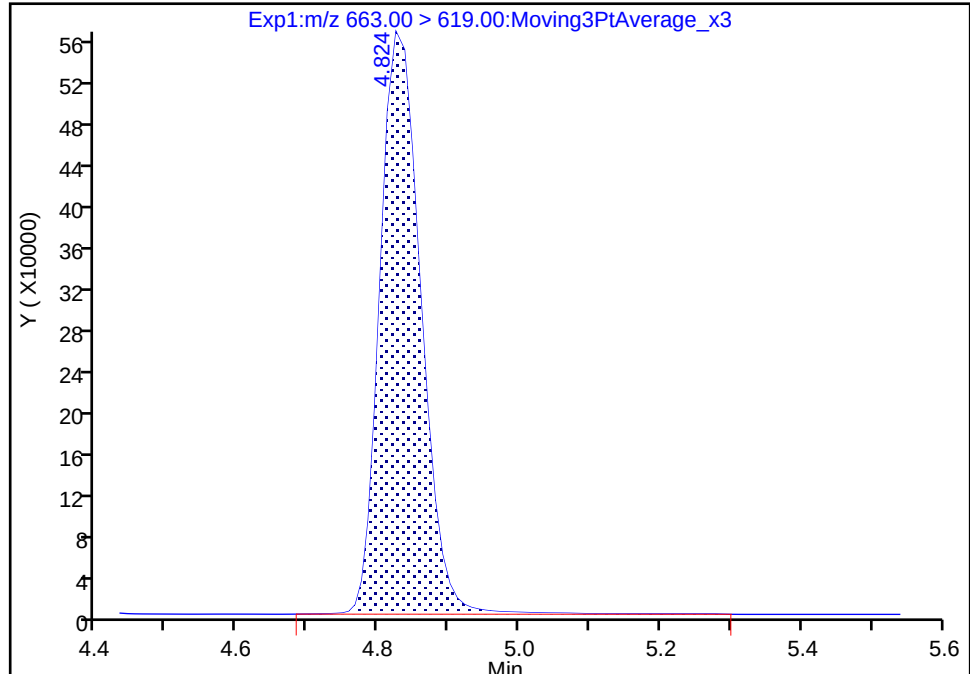
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A20.d
Injection Date: 09-Aug-2022 18:26:39 Instrument ID: LC812
Lims ID: 200-64441-A-11-B MS
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

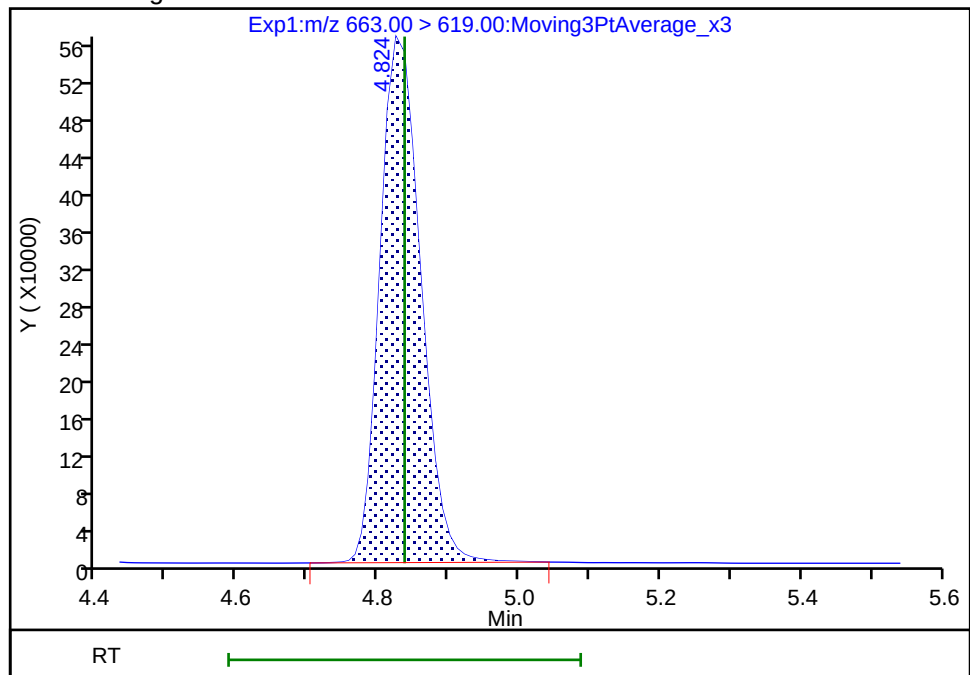
RT: 4.82
Area: 2262105
Amount: 2.058389
Amount Units: ng/ml

Processing Integration Results



RT: 4.82
Area: 2242104
Amount: 2.058262
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:40:20

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

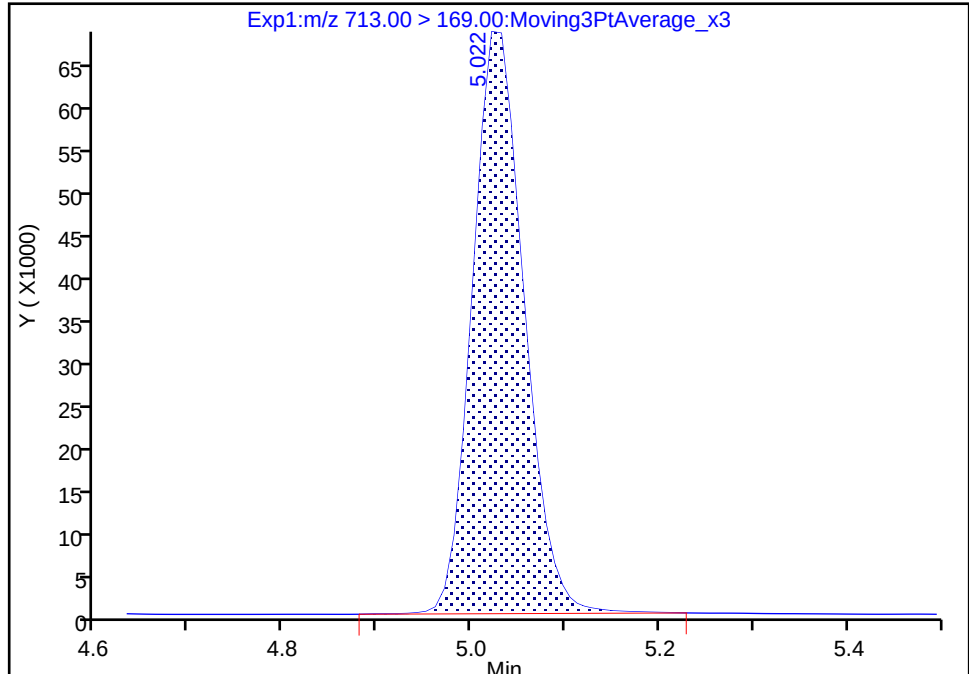
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A20.d
Injection Date: 09-Aug-2022 18:26:39 Instrument ID: LC812
Lims ID: 200-64441-A-11-B MS
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

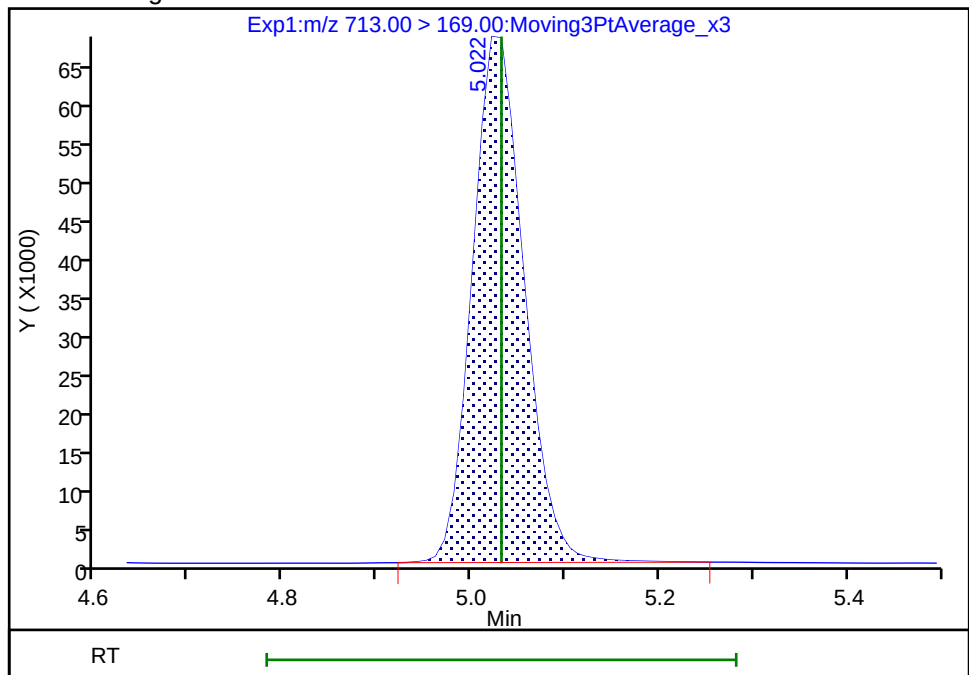
RT: 5.02
Area: 259536
Amount: 2.128390
Amount Units: ng/ml

Processing Integration Results



RT: 5.02
Area: 259427
Amount: 2.145584
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:40:35

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

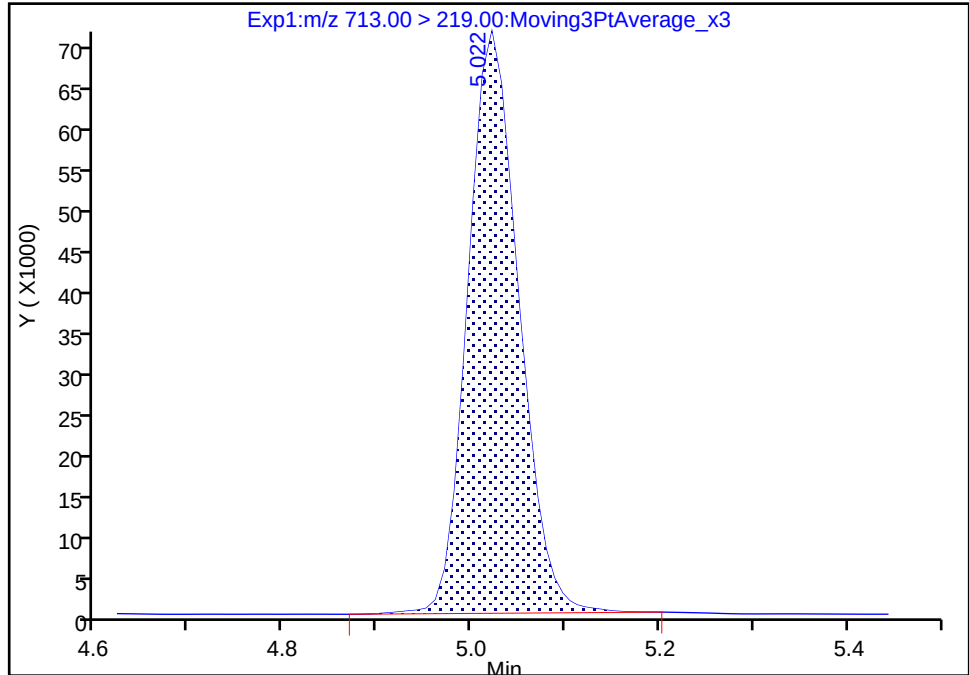
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A20.d
Injection Date: 09-Aug-2022 18:26:39 Instrument ID: LC812
Lims ID: 200-64441-A-11-B MS
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

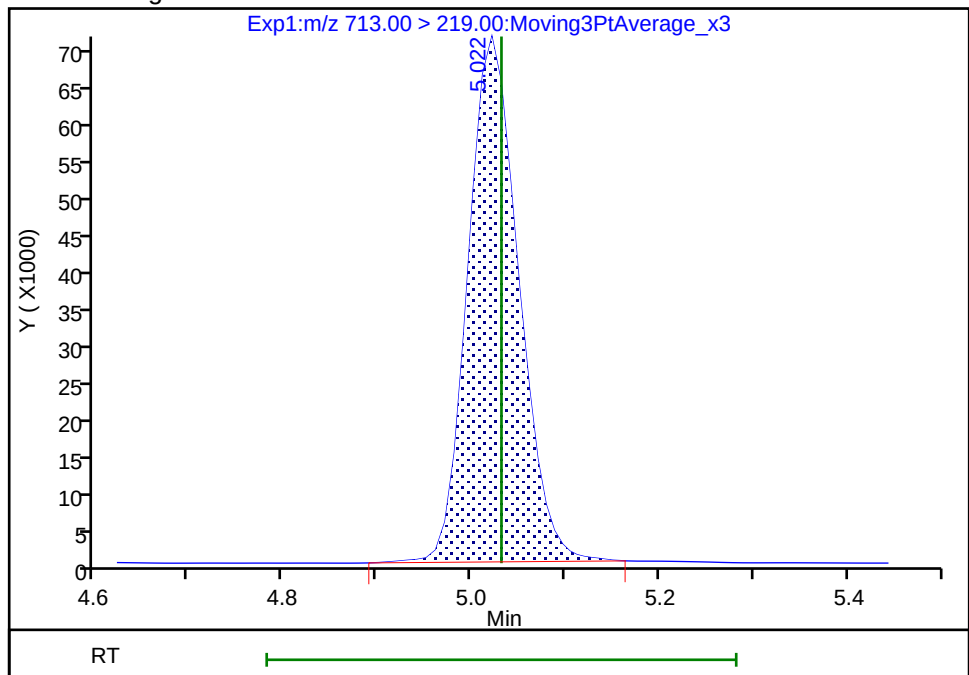
RT: 5.02
Area: 267133
Amount: 2.128390
Amount Units: ng/ml

Processing Integration Results



RT: 5.02
Area: 266311
Amount: 2.145584
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:40:42

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

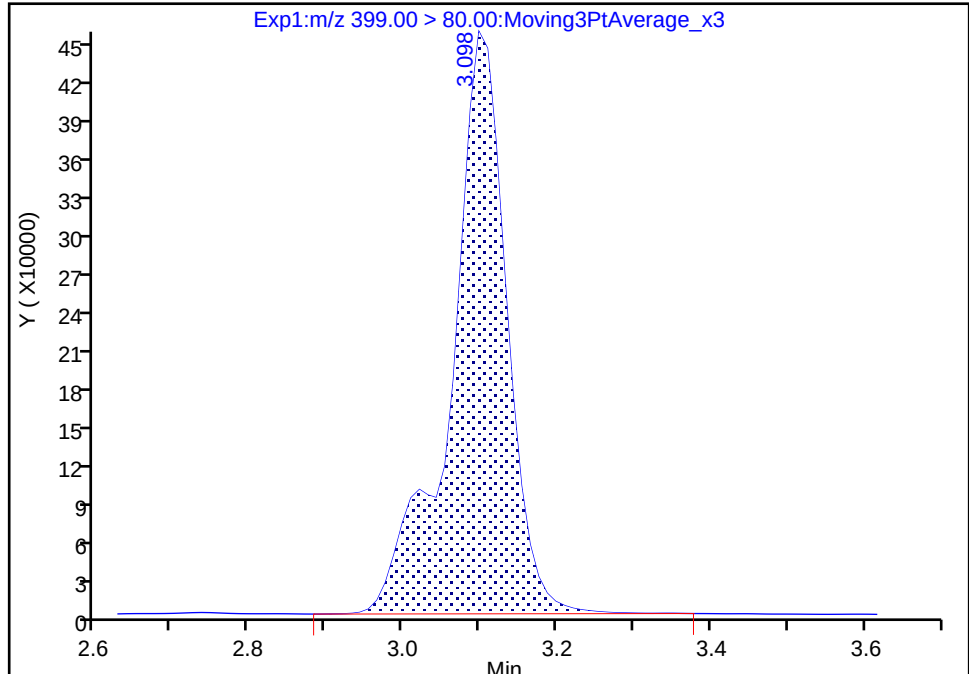
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A20.d
Injection Date: 09-Aug-2022 18:26:39 Instrument ID: LC812
Lims ID: 200-64441-A-11-B MS
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

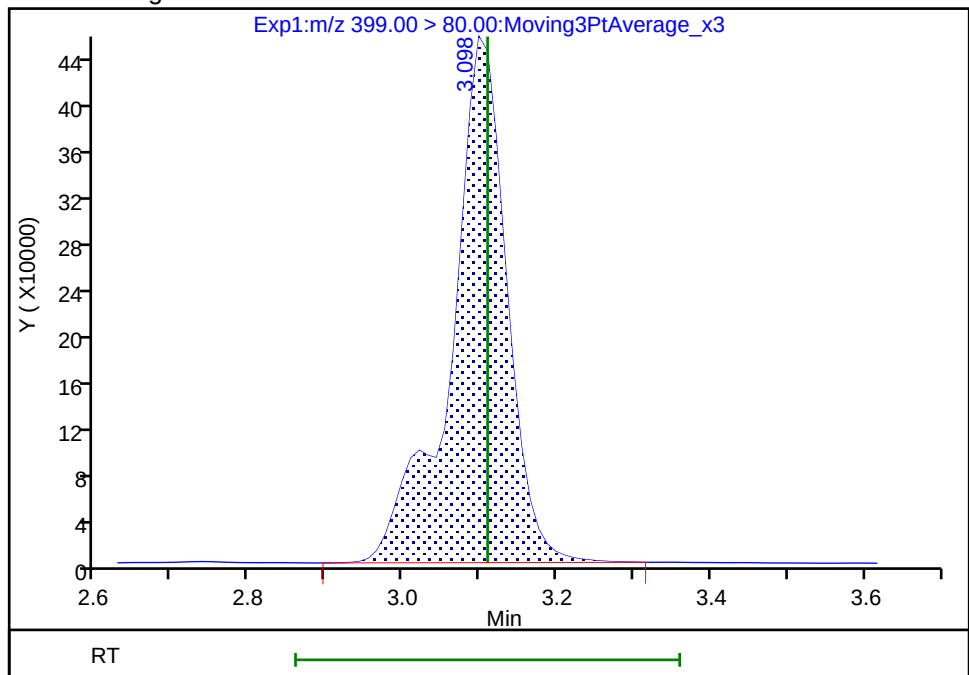
RT: 3.10
Area: 2276614
Amount: 1.907295
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 2273149
Amount: 1.904392
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:37:25

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

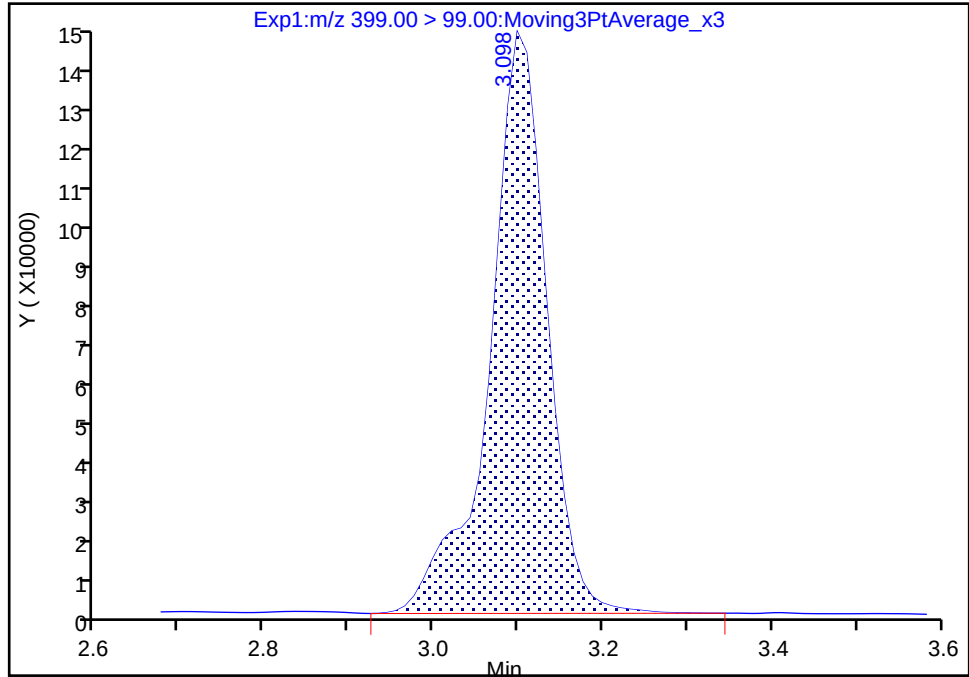
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A20.d
Injection Date: 09-Aug-2022 18:26:39 Instrument ID: LC812
Lims ID: 200-64441-A-11-B MS
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

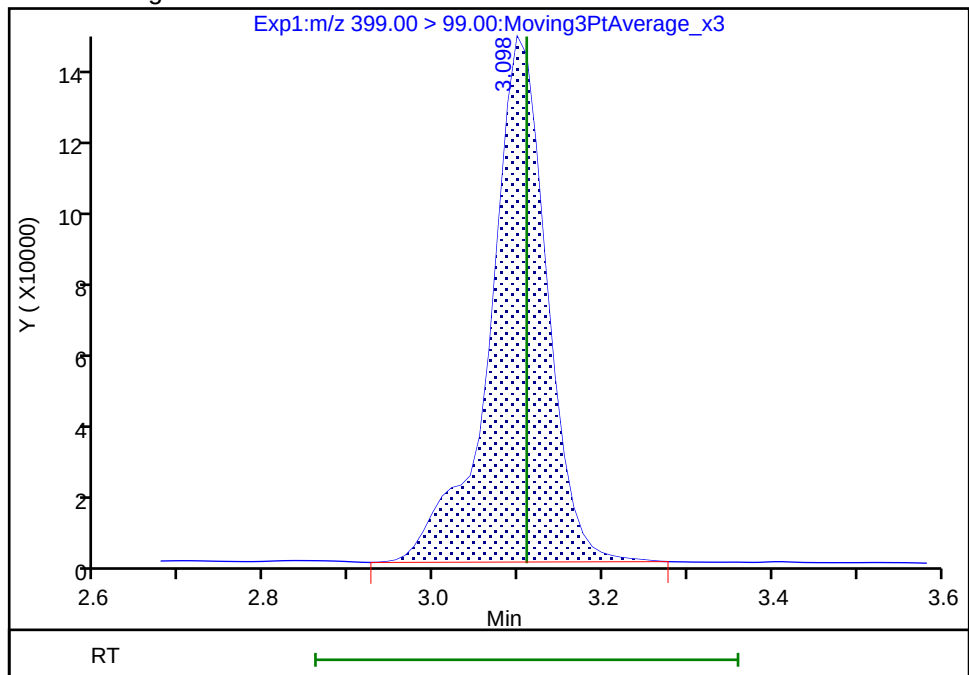
RT: 3.10
Area: 659425
Amount: 1.907295
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 657412
Amount: 1.904392
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:37:33

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

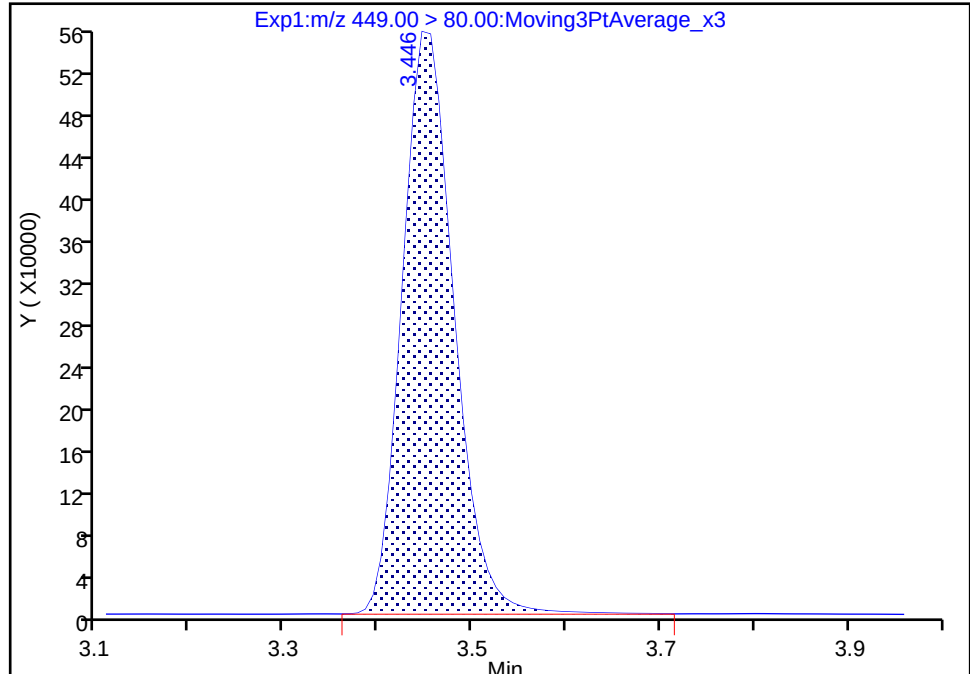
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A20.d
Injection Date: 09-Aug-2022 18:26:39 Instrument ID: LC812
Lims ID: 200-64441-A-11-B MS
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

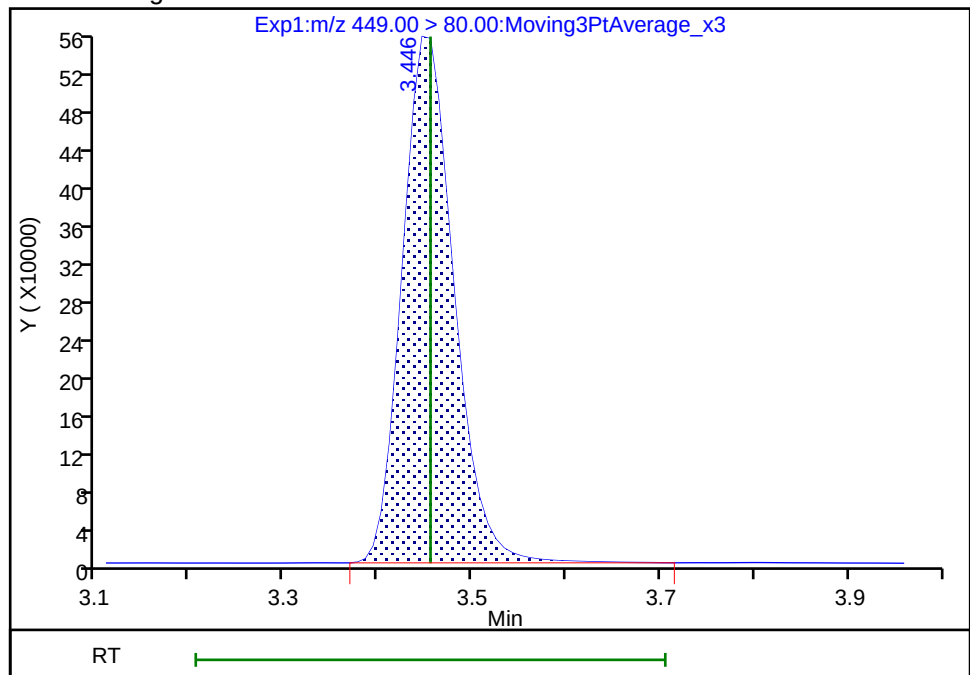
RT: 3.45
Area: 2107982
Amount: 2.056381
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 2102801
Amount: 2.051326
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:38:07

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

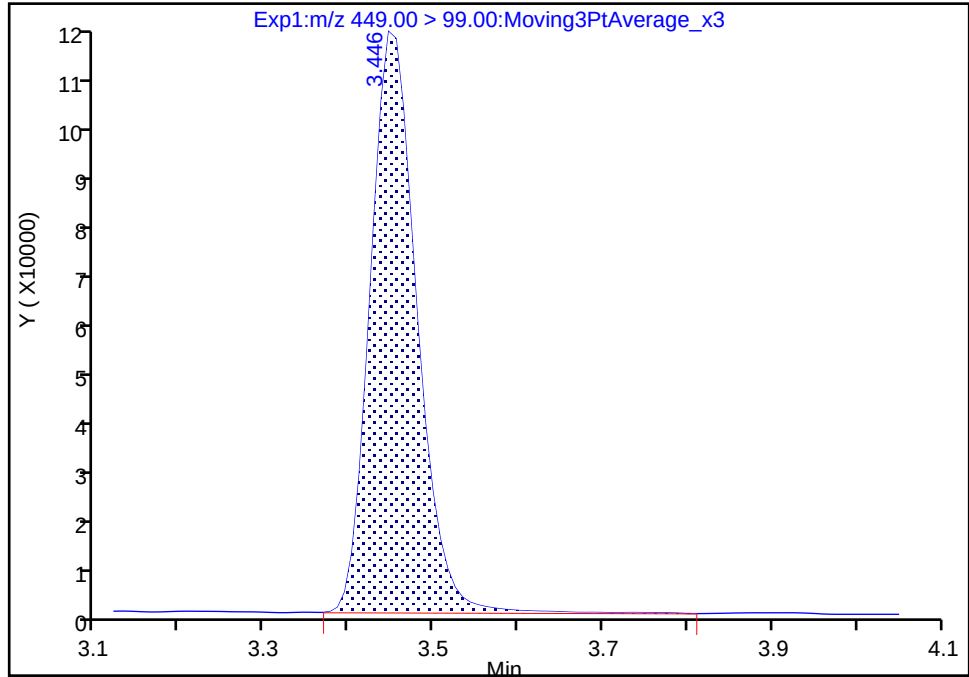
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A20.d
Injection Date: 09-Aug-2022 18:26:39 Instrument ID: LC812
Lims ID: 200-64441-A-11-B MS
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

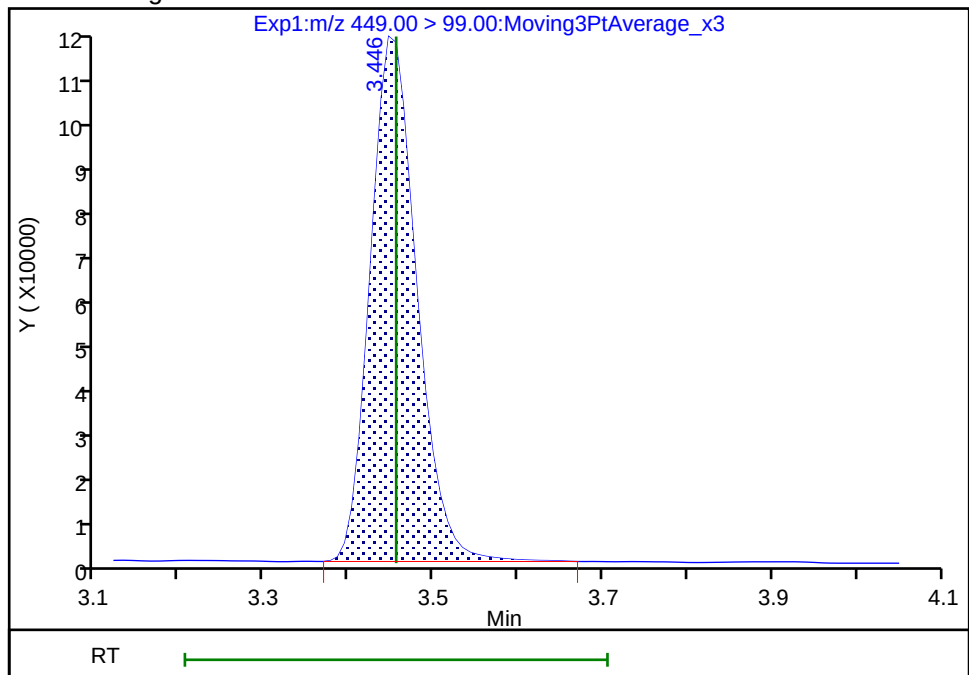
RT: 3.45
Area: 425325
Amount: 2.056381
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 421368
Amount: 2.051326
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:38:14

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

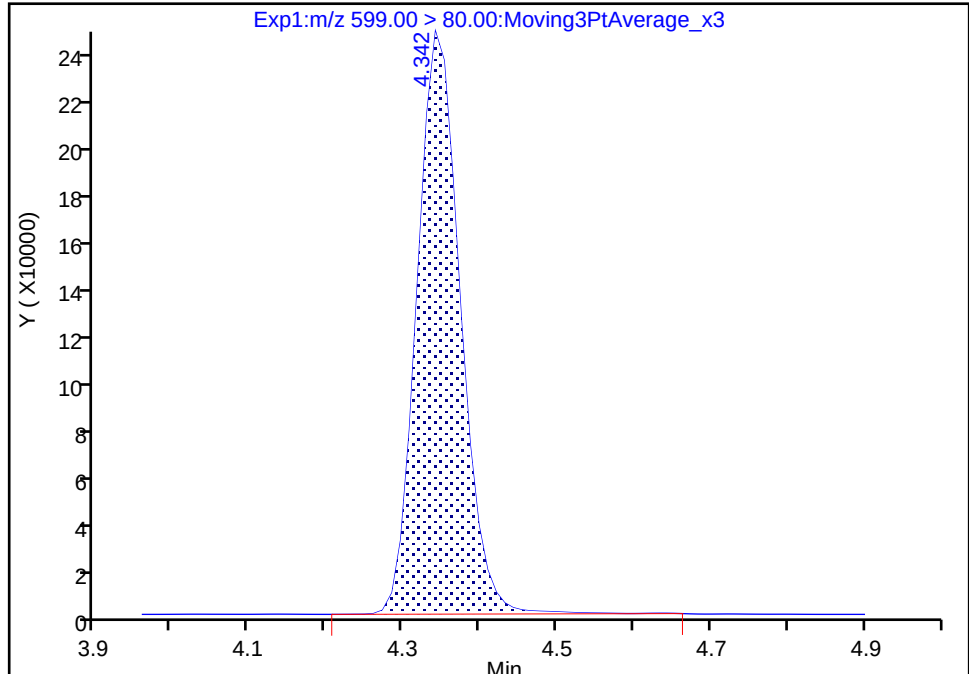
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A20.d
Injection Date: 09-Aug-2022 18:26:39 Instrument ID: LC812
Lims ID: 200-64441-A-11-B MS
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

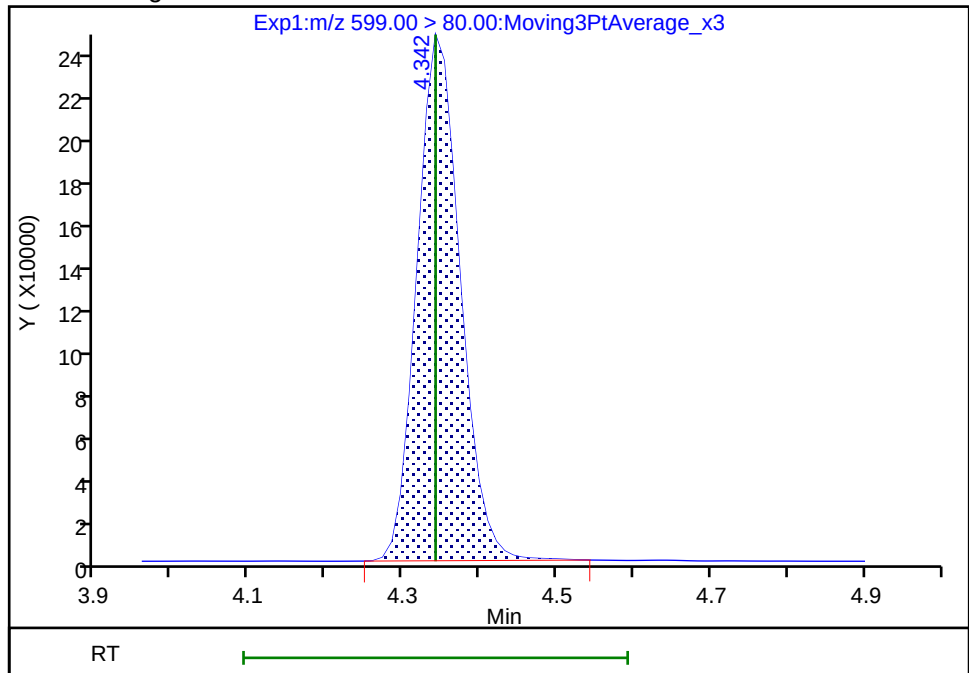
RT: 4.34
Area: 962245
Amount: 1.991285
Amount Units: ng/ml

Processing Integration Results



RT: 4.34
Area: 957863
Amount: 1.982217
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:39:25

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

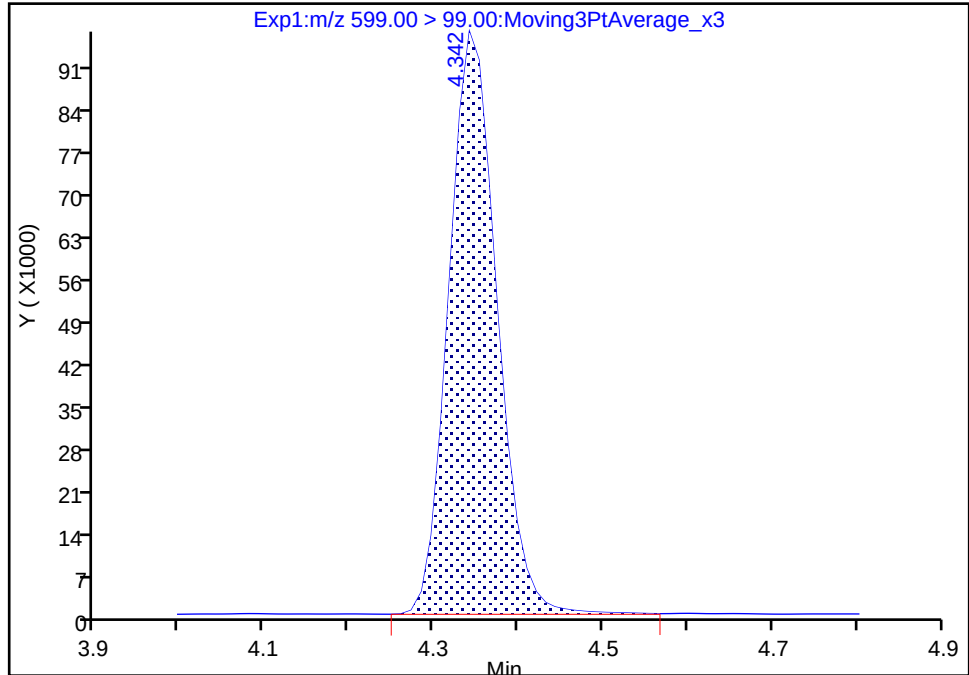
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A20.d
Injection Date: 09-Aug-2022 18:26:39 Instrument ID: LC812
Lims ID: 200-64441-A-11-B MS
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

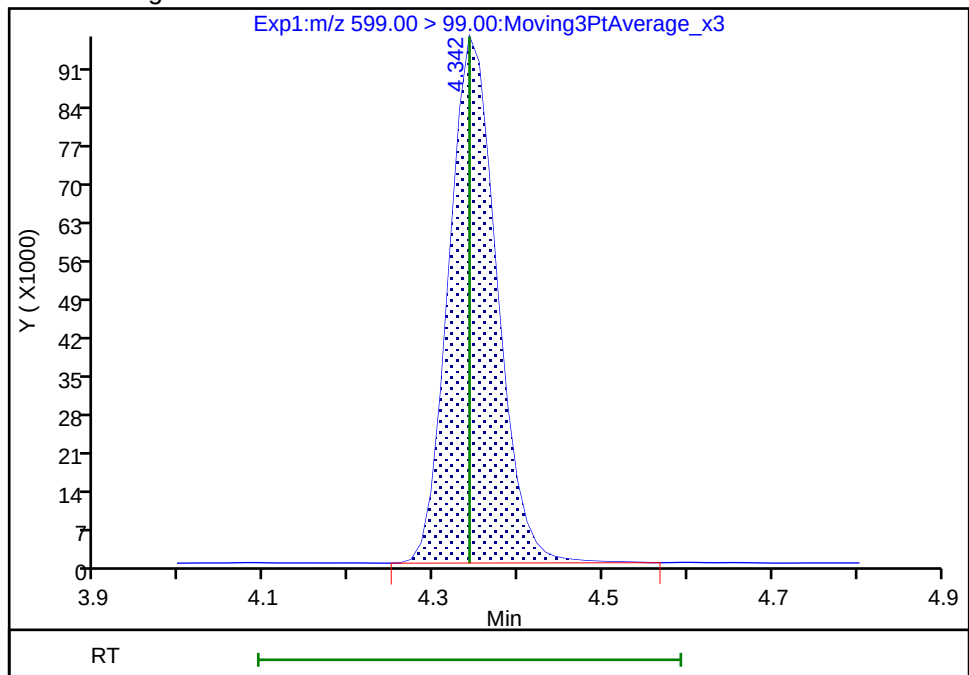
RT: 4.34
Area: 380558
Amount: 1.991285
Amount Units: ng/ml

Processing Integration Results



RT: 4.34
Area: 379490
Amount: 1.982217
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:39:32

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

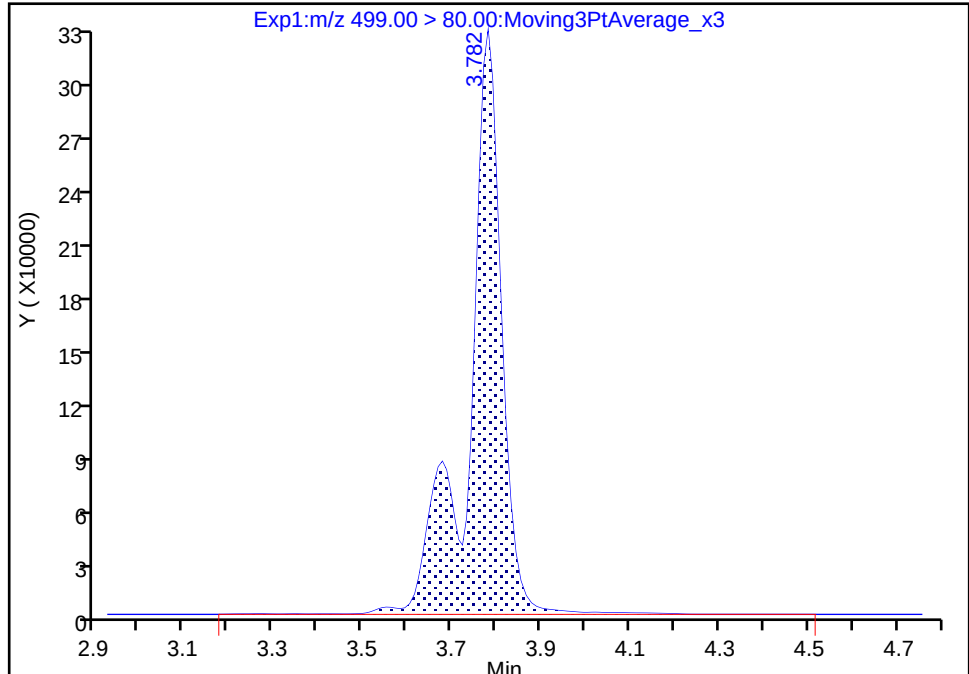
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A20.d
Injection Date: 09-Aug-2022 18:26:39 Instrument ID: LC812
Lims ID: 200-64441-A-11-B MS
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

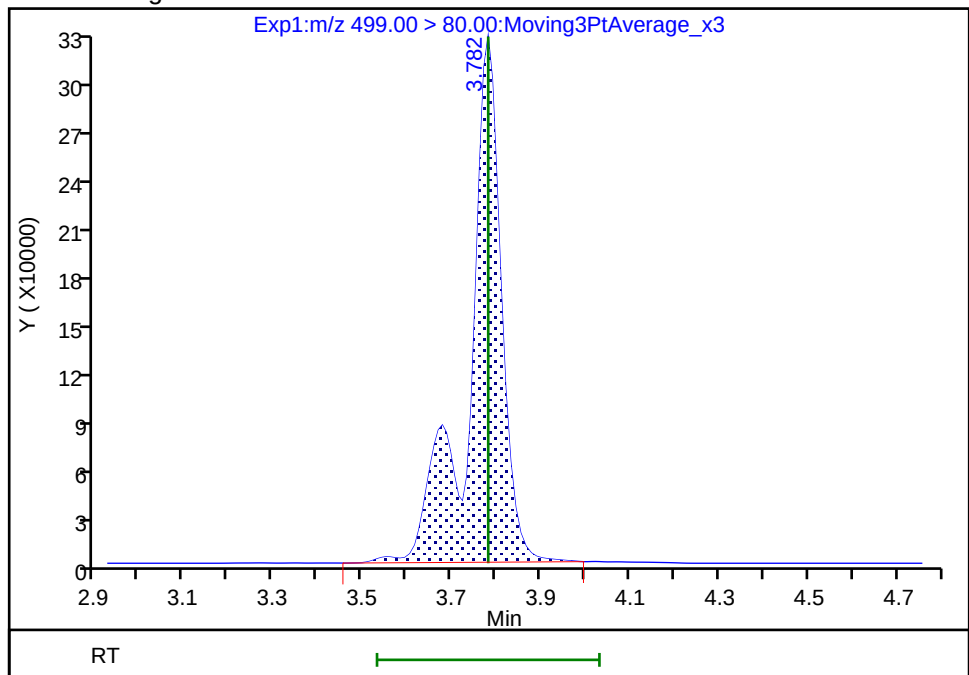
RT: 3.78
Area: 1690566
Amount: 2.030291
Amount Units: ng/ml

Processing Integration Results



RT: 3.78
Area: 1661550
Amount: 1.995127
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:38:34

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

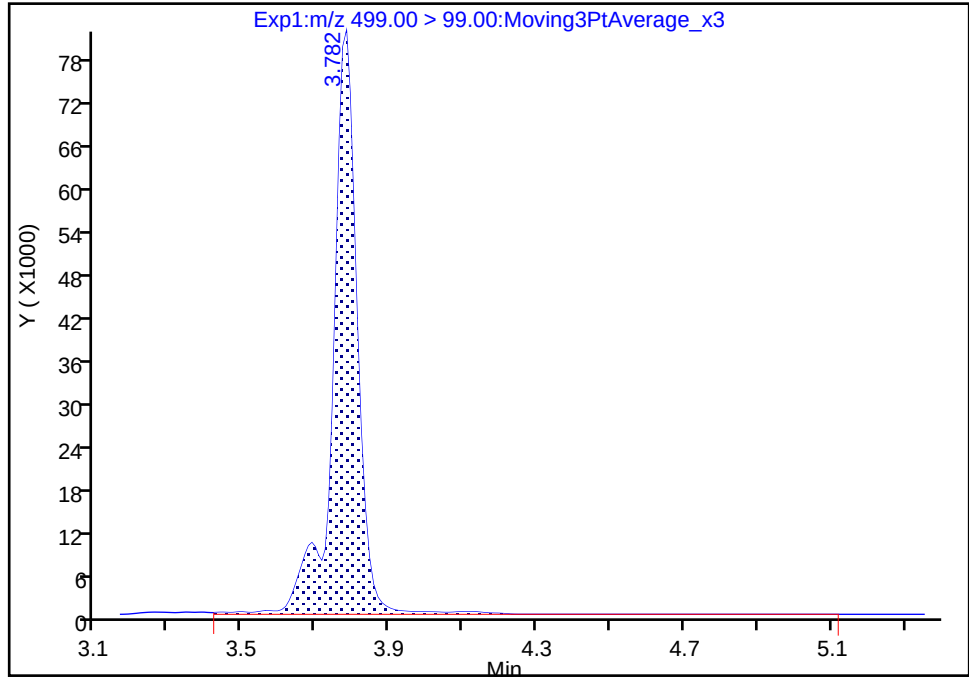
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A20.d
Injection Date: 09-Aug-2022 18:26:39 Instrument ID: LC812
Lims ID: 200-64441-A-11-B MS
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

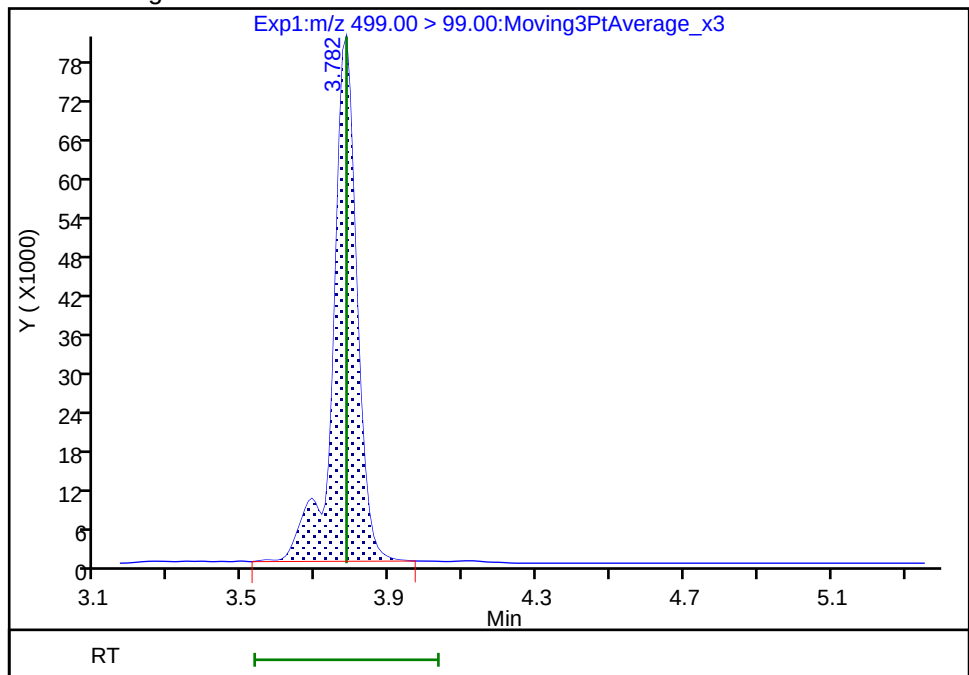
RT: 3.78
Area: 379816
Amount: 2.030291
Amount Units: ng/ml

Processing Integration Results



RT: 3.78
Area: 366362
Amount: 1.995127
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:38:41

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

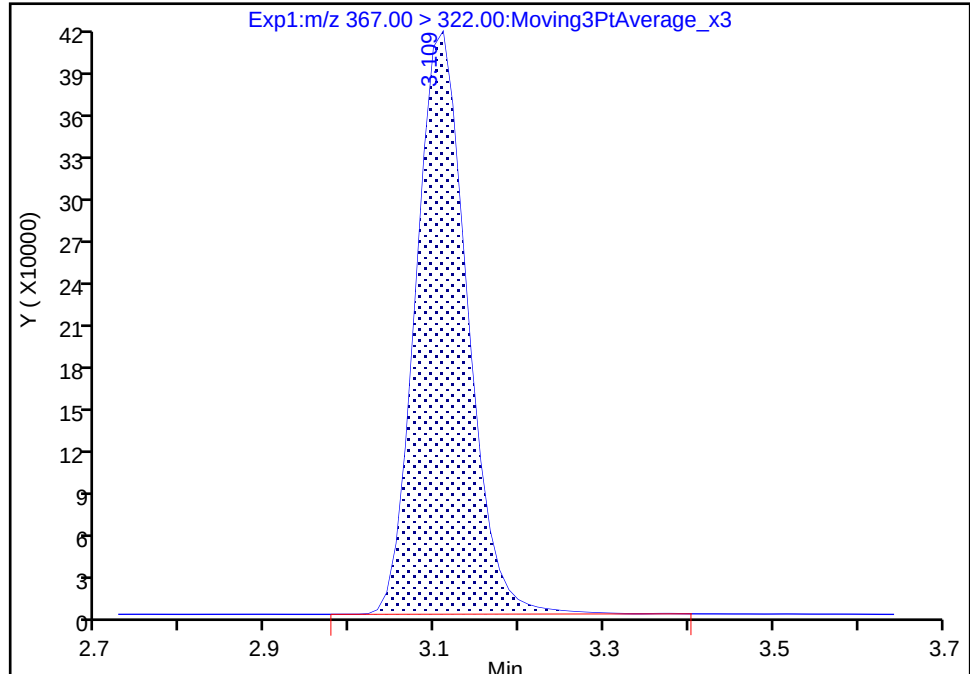
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A20.d
Injection Date: 09-Aug-2022 18:26:39 Instrument ID: LC812
Lims ID: 200-64441-A-11-B MS
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 9 13C4 PFHpA, CAS: STL01892

Signal: 1

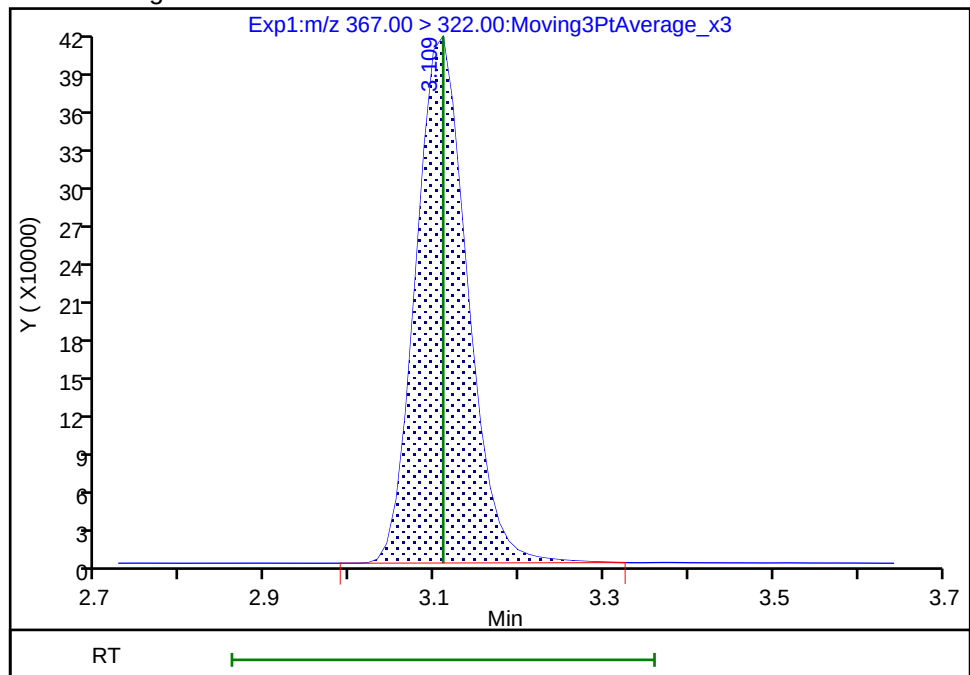
RT: 3.11
Area: 1769069
Amount: 1.194245
Amount Units: ng/ml

Processing Integration Results



RT: 3.11
Area: 1766732
Amount: 1.192667
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 09:17:33

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

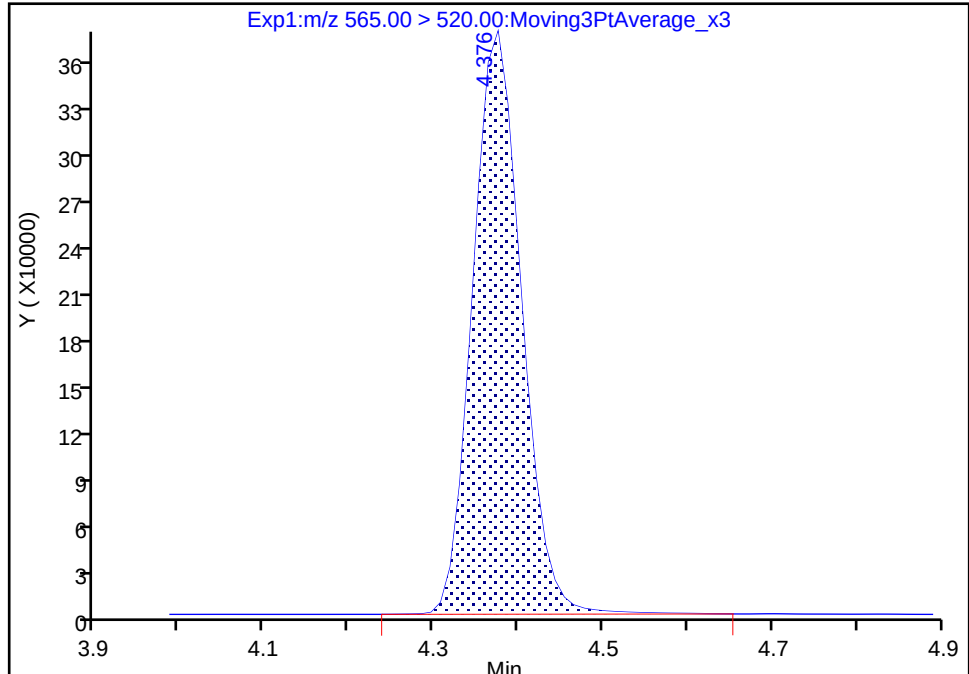
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A20.d
Injection Date: 09-Aug-2022 18:26:39 Instrument ID: LC812
Lims ID: 200-64441-A-11-B MS
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

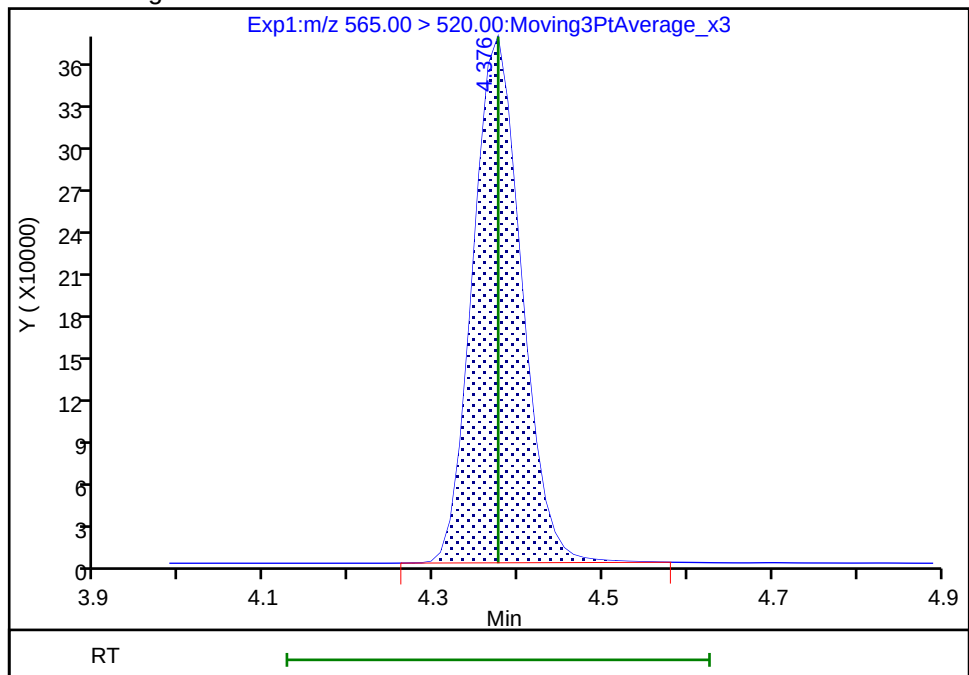
RT: 4.38
Area: 1516473
Amount: 1.305029
Amount Units: ng/ml

Processing Integration Results



RT: 4.38
Area: 1510254
Amount: 1.299677
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 09:18:05
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1518 of 1695

08/18/2022

Eurofins Burlington

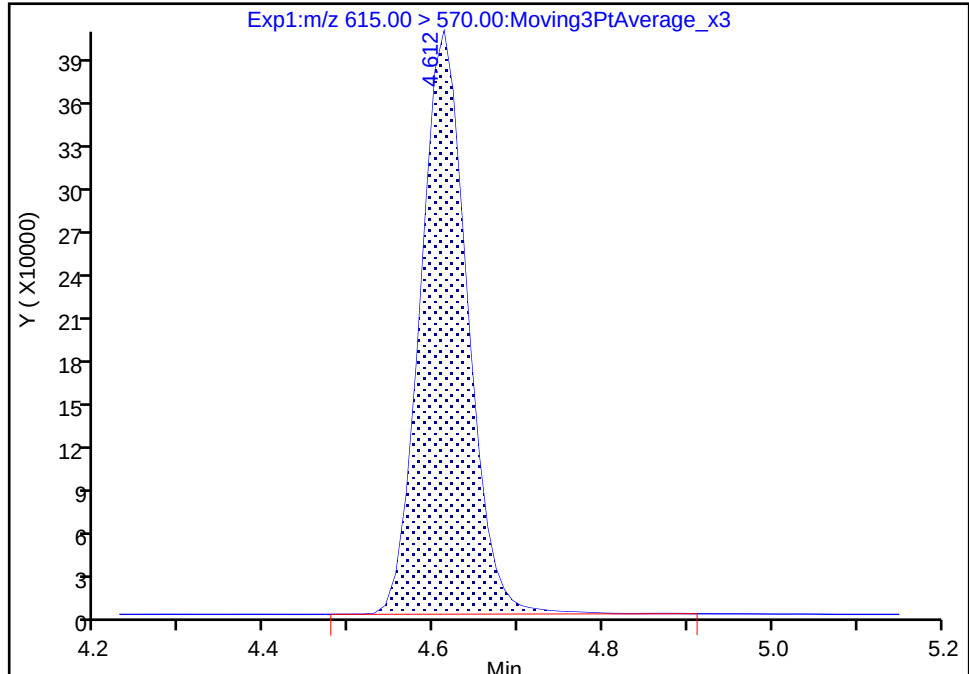
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A20.d
Injection Date: 09-Aug-2022 18:26:39 Instrument ID: LC812
Lims ID: 200-64441-A-11-B MS
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 36 13C2 PFD_oA, CAS: STL00998

Signal: 1

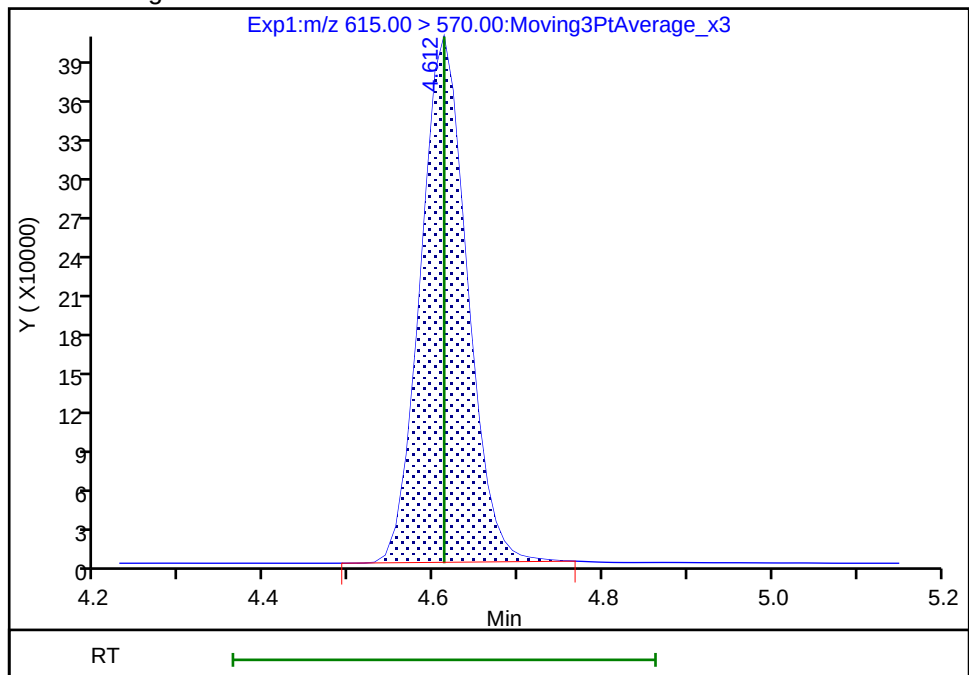
RT: 4.61
Area: 1562603
Amount: 1.297697
Amount Units: ng/ml

Processing Integration Results



RT: 4.61
Area: 1548883
Amount: 1.286303
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 09:18:17
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

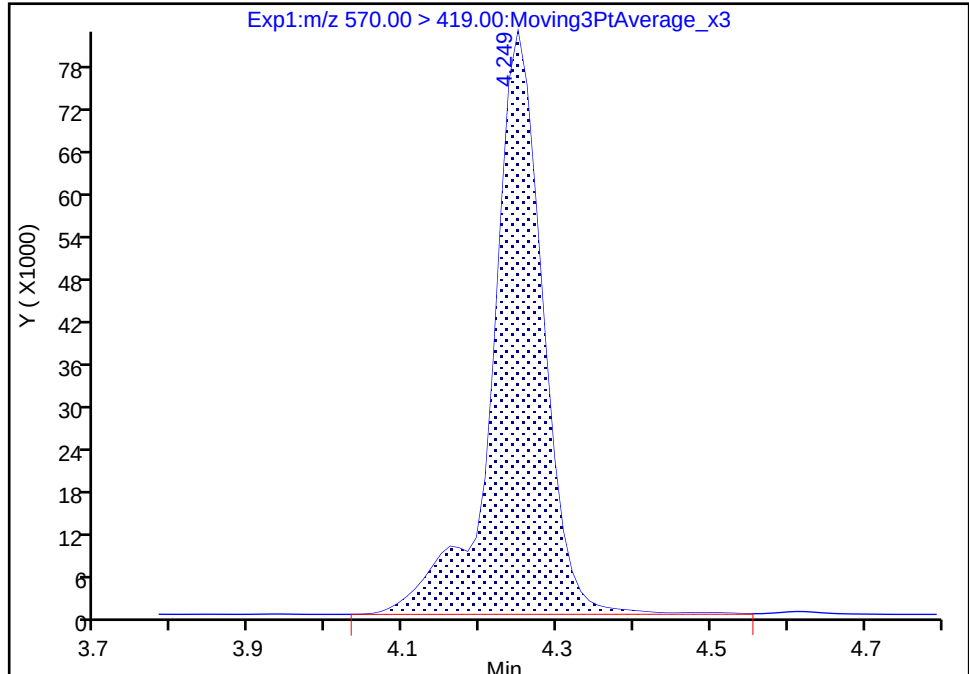
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A20.d
Injection Date: 09-Aug-2022 18:26:39 Instrument ID: LC812
Lims ID: 200-64441-A-11-B MS
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

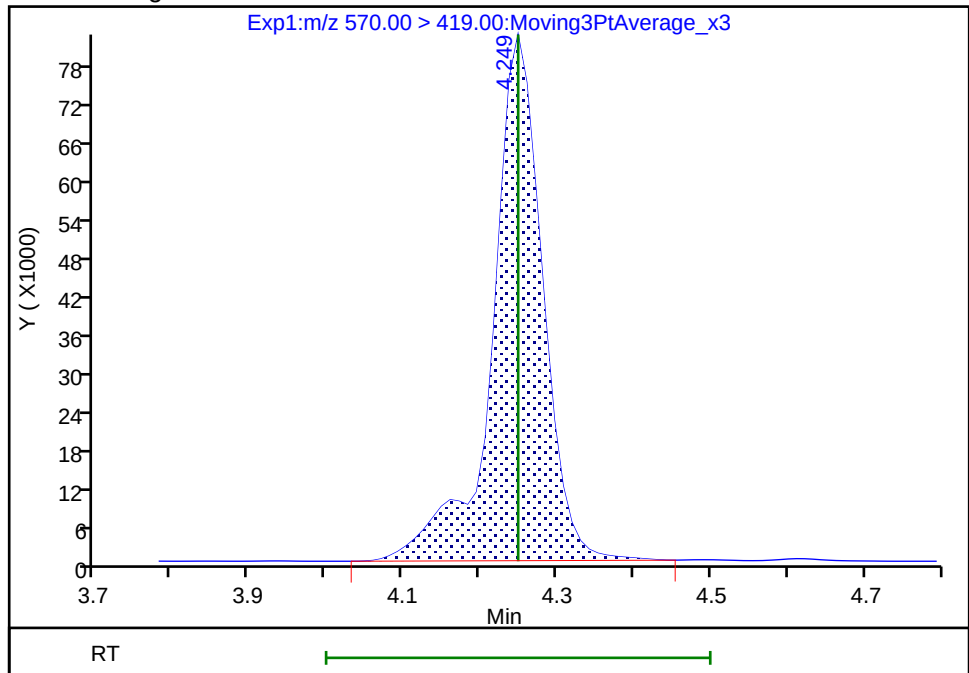
RT: 4.25
Area: 382085
Amount: 2.205335
Amount Units: ng/ml

Processing Integration Results



RT: 4.25
Area: 379181
Amount: 2.188573
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 09:18:00
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1520 of 1695

08/18/2022

Eurofins Burlington

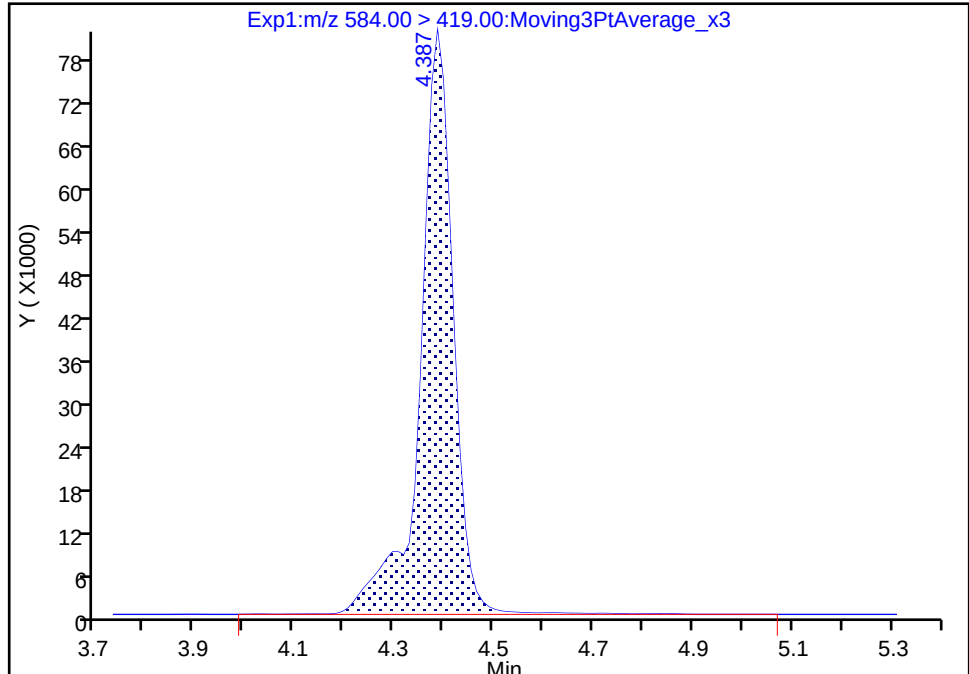
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A20.d
Injection Date: 09-Aug-2022 18:26:39 Instrument ID: LC812
Lims ID: 200-64441-A-11-B MS
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

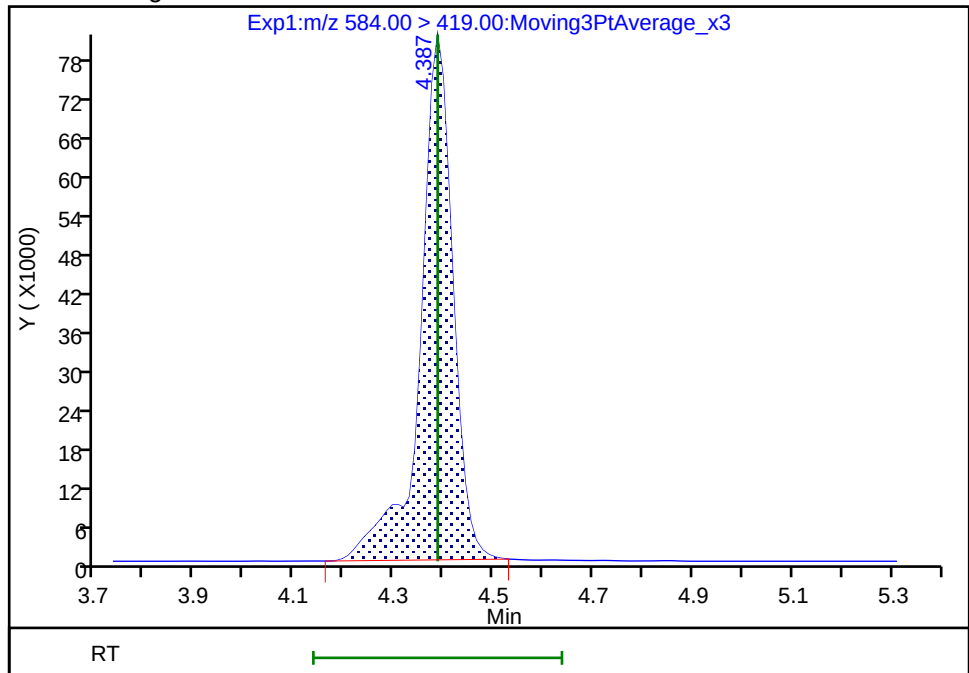
RT: 4.39
Area: 377939
Amount: 2.149316
Amount Units: ng/ml

Processing Integration Results



RT: 4.39
Area: 370978
Amount: 2.109729
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 09:18:12
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

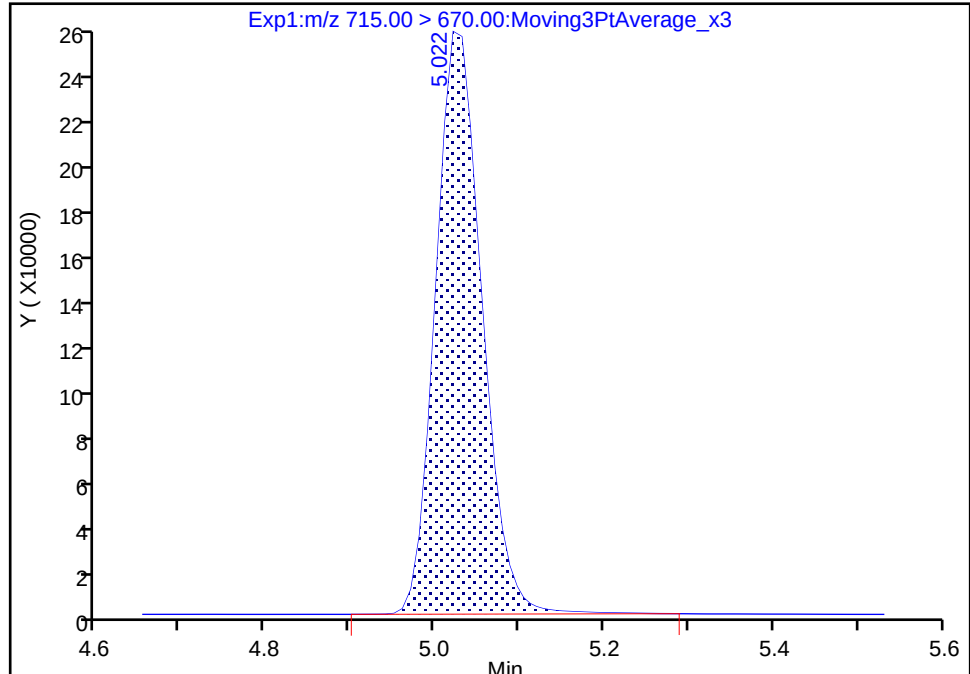
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A20.d
Injection Date: 09-Aug-2022 18:26:39 Instrument ID: LC812
Lims ID: 200-64441-A-11-B MS
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

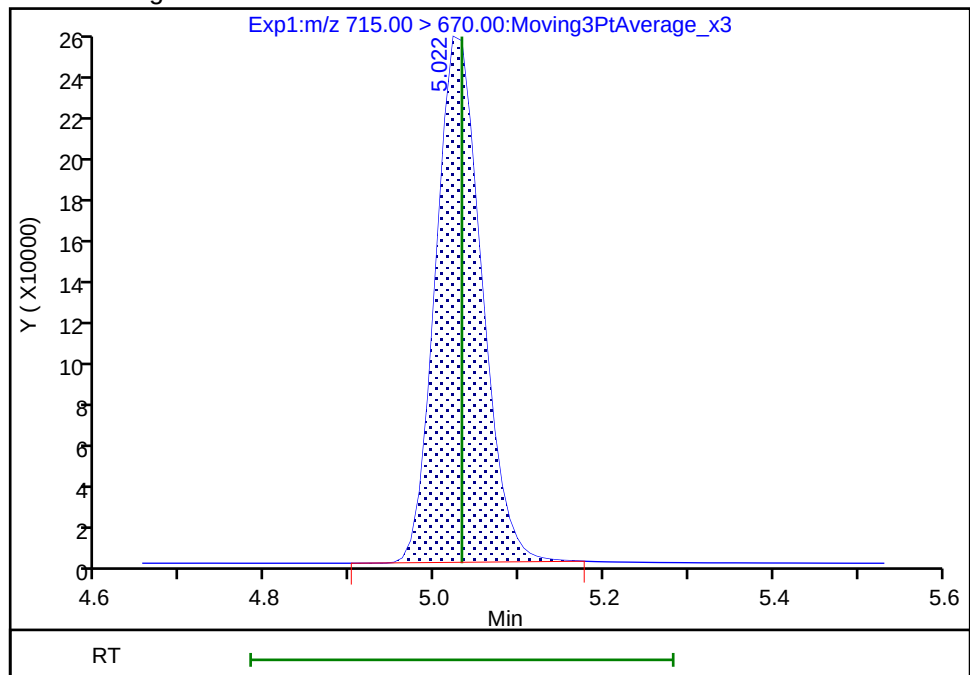
RT: 5.02
Area: 951401
Amount: 0.966531
Amount Units: ng/ml

Processing Integration Results



RT: 5.02
Area: 943380
Amount: 0.958382
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 09:18:26
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

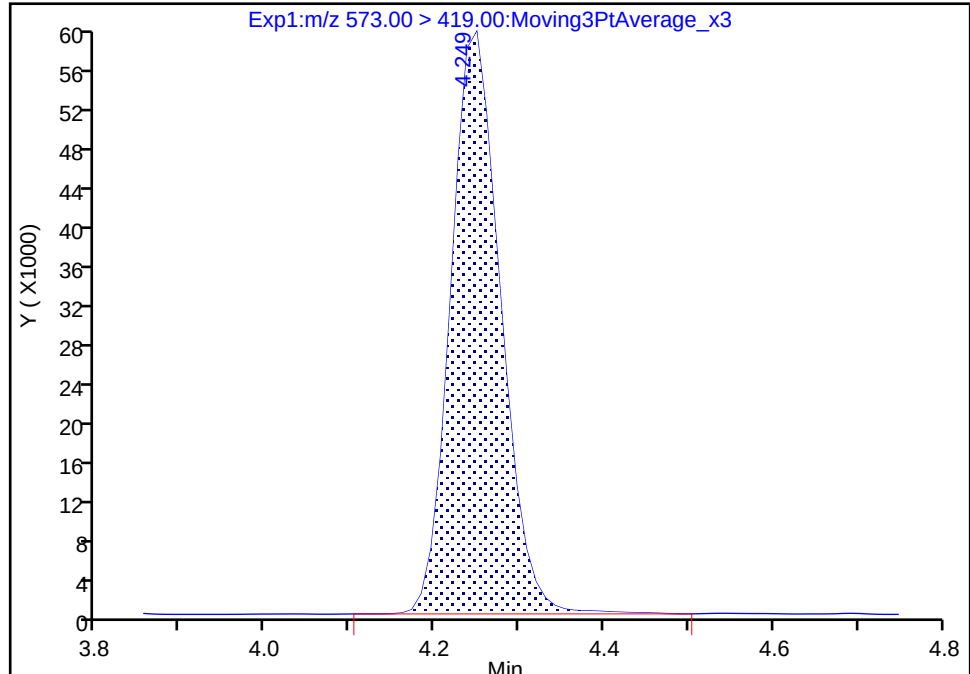
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A20.d
Injection Date: 09-Aug-2022 18:26:39 Instrument ID: LC812
Lims ID: 200-64441-A-11-B MS
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

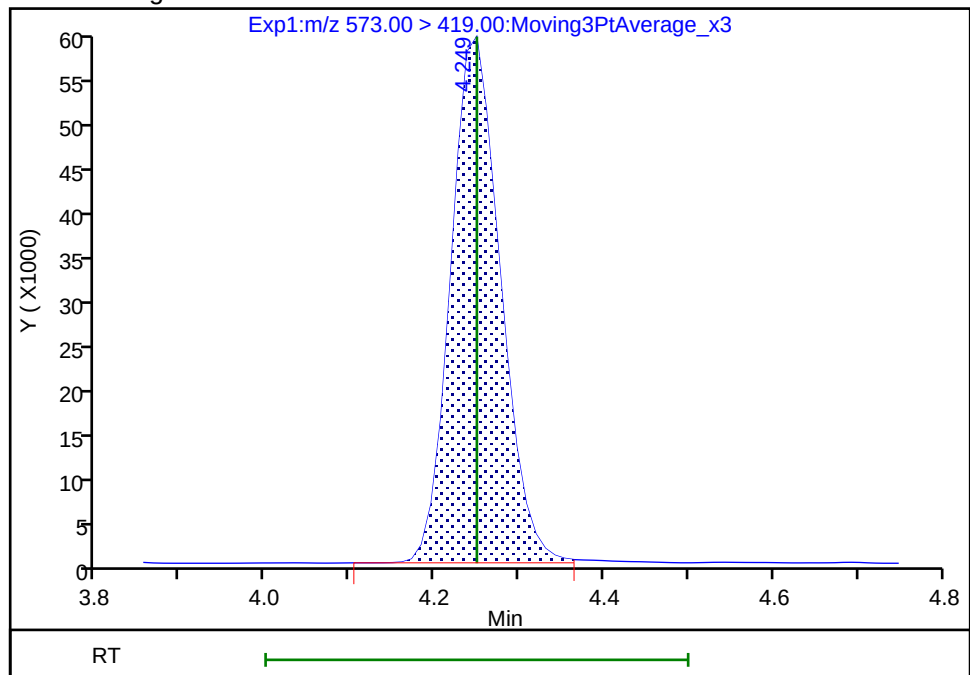
RT: 4.25
Area: 245092
Amount: 1.192317
Amount Units: ng/ml

Processing Integration Results



RT: 4.25
Area: 243853
Amount: 1.186290
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:36:14

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

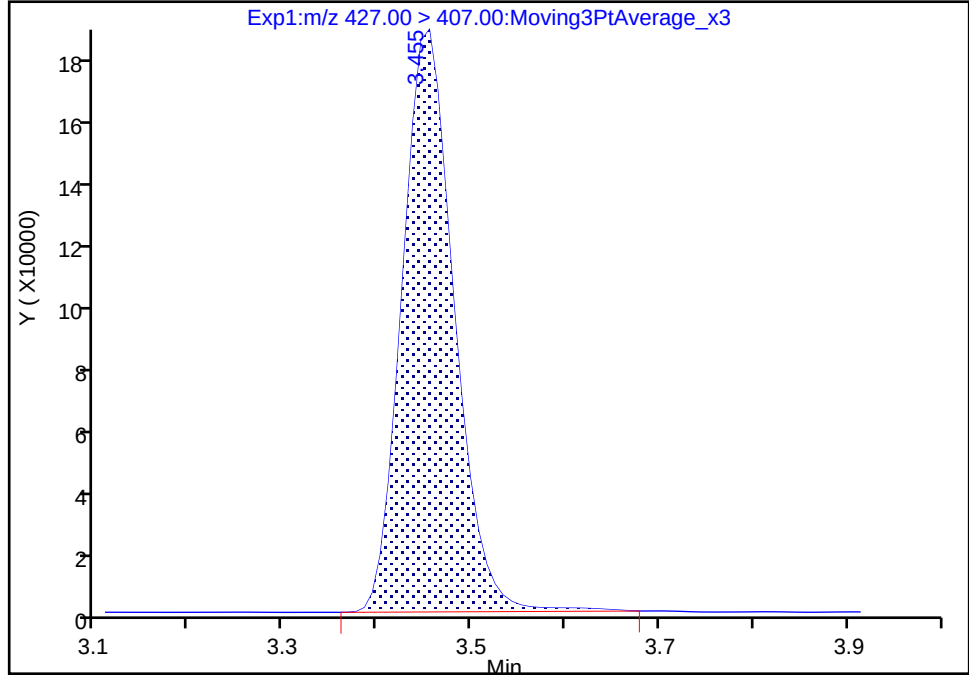
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A20.d
Injection Date: 09-Aug-2022 18:26:39 Instrument ID: LC812
Lims ID: 200-64441-A-11-B MS
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

13 1H,1H,2H,2H-perfluorooctanesulfo, CAS: 27619-97-2

Signal: 1

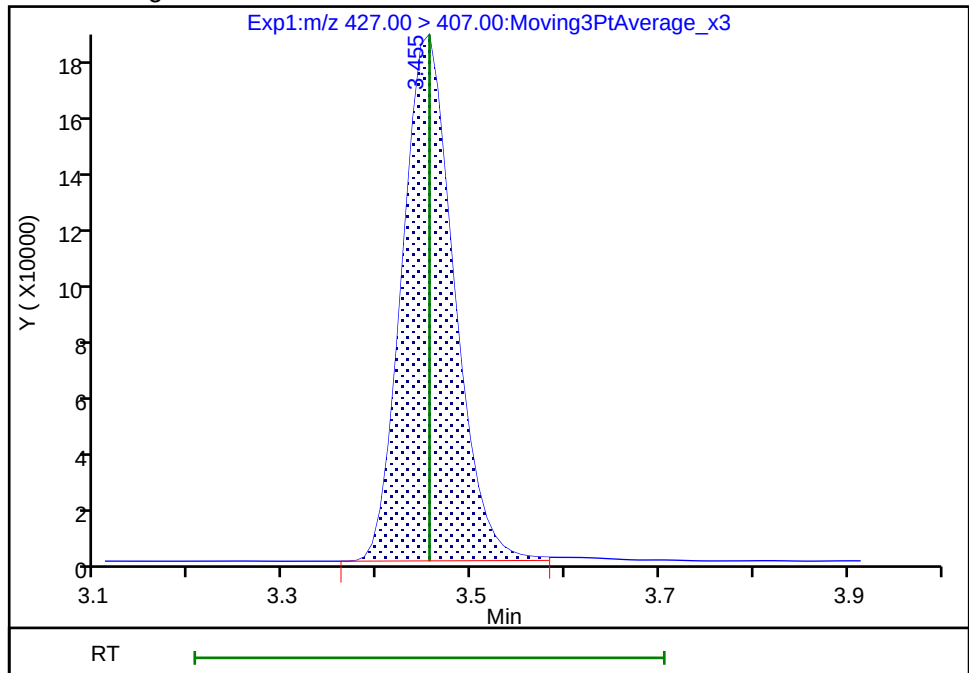
RT: 3.45
Area: 706531
Amount: 2.162488
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 702747
Amount: 2.150816
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:37:59

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

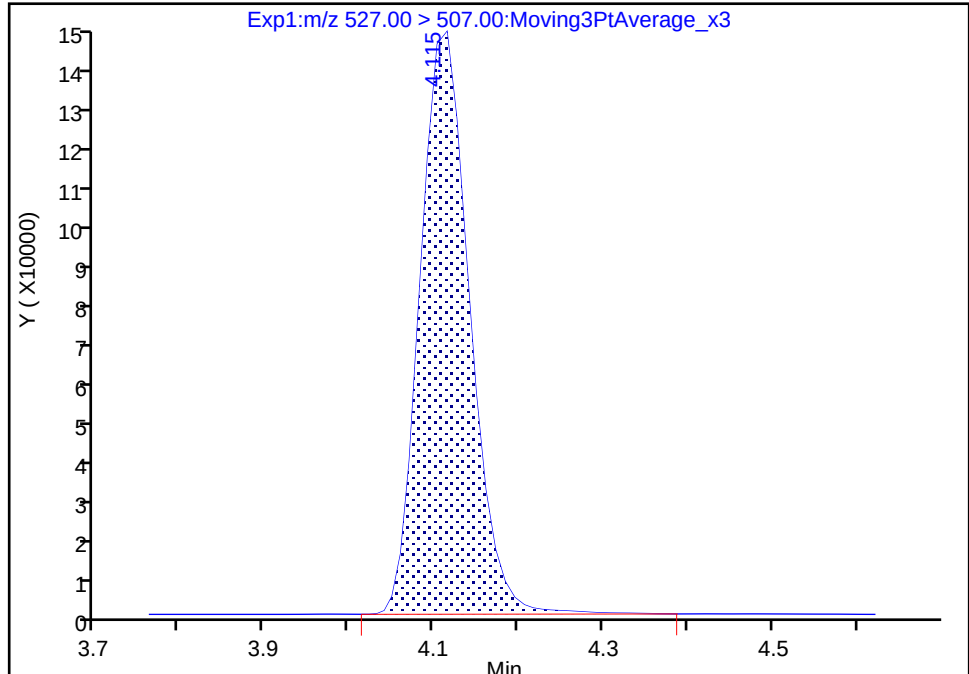
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A20.d
Injection Date: 09-Aug-2022 18:26:39 Instrument ID: LC812
Lims ID: 200-64441-A-11-B MS
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

25 1H,1H,2H,2H-perfluorodecanesulfo, CAS: 39108-34-4

Signal: 1

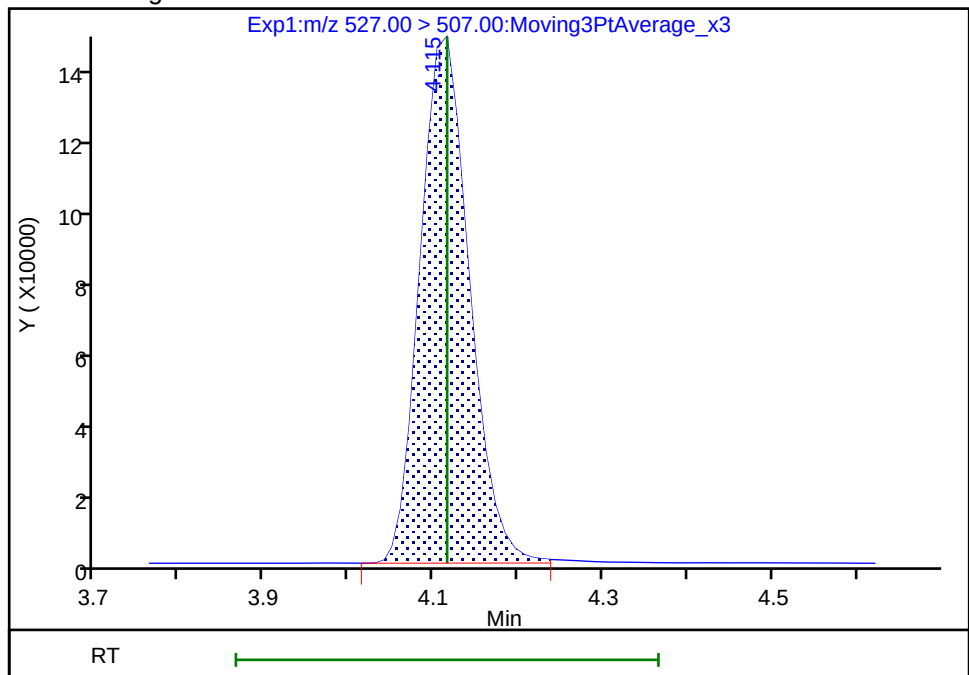
RT: 4.12
Area: 577100
Amount: 2.131162
Amount Units: ng/ml

Processing Integration Results



RT: 4.12
Area: 574201
Amount: 2.120456
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:39:14

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

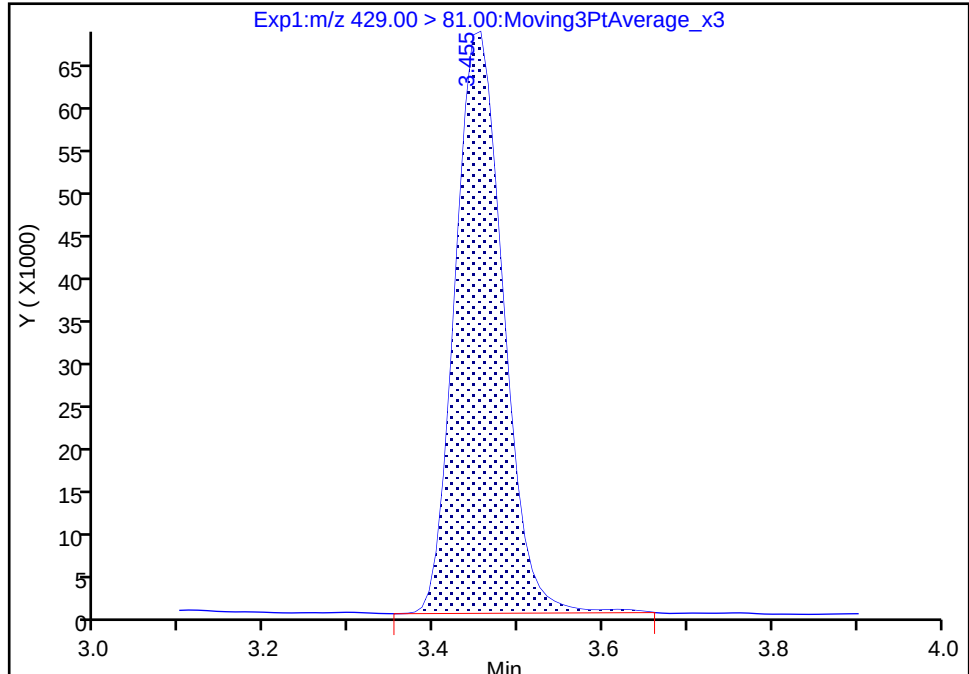
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A20.d
Injection Date: 09-Aug-2022 18:26:39 Instrument ID: LC812
Lims ID: 200-64441-A-11-B MS
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 12 M2-6:2 FTS, CAS: STL02279

Signal: 1

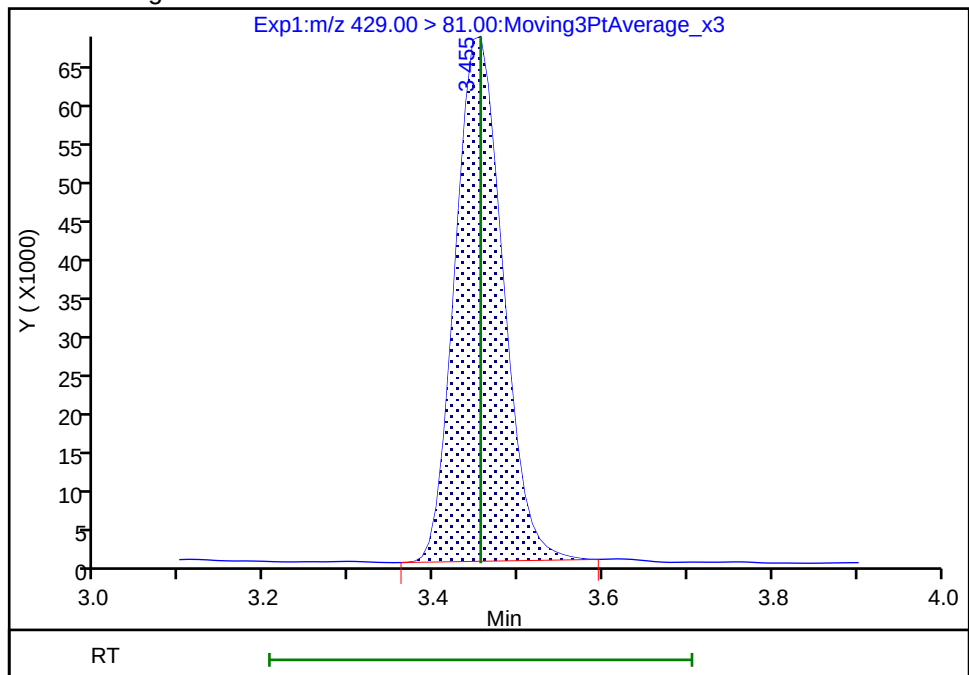
RT: 3.45
Area: 267522
Amount: 1.373072
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 264199
Amount: 1.356017
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:36:03
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

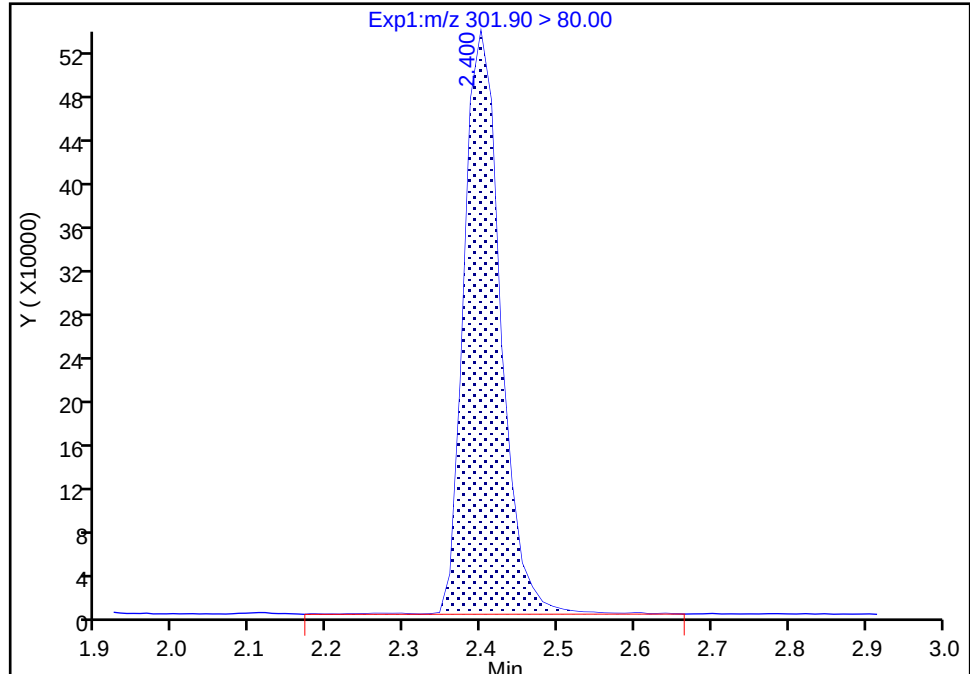
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A20.d
Injection Date: 09-Aug-2022 18:26:39 Instrument ID: LC812
Lims ID: 200-64441-A-11-B MS
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

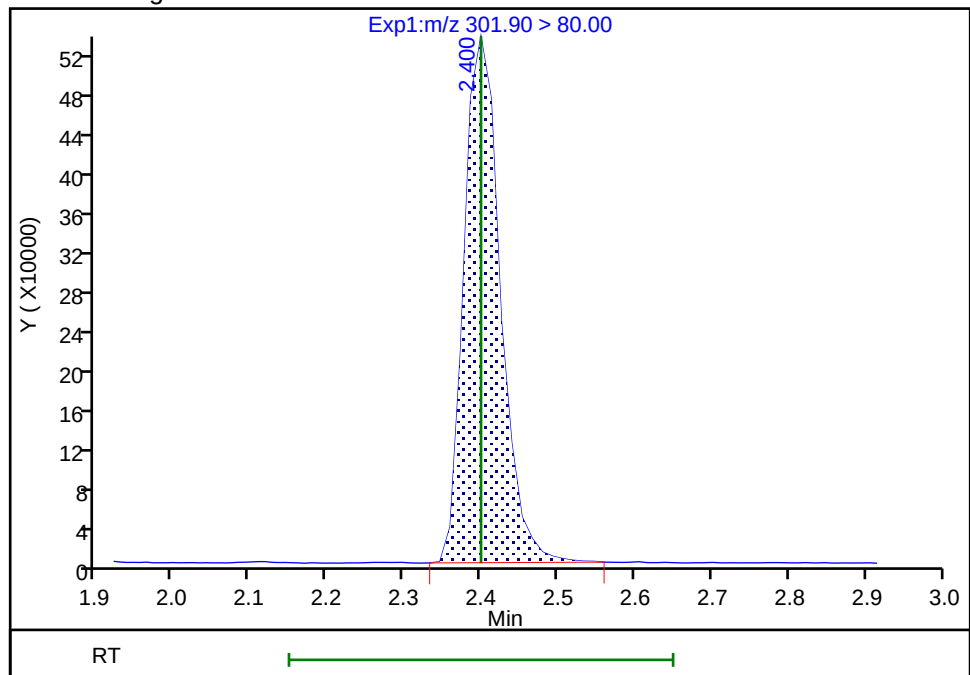
RT: 2.40
Area: 1759627
Amount: 1.063125
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 1744011
Amount: 1.053690
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:35:46
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-263208-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: 460-263422-A-2-B MS

Matrix: Solid Lab File ID: PA220811B17.d

Analysis Method: 537 (modified) Date Collected: _____

Extraction Method: SHAKE Date Extracted: 08/10/2022 17:30

Sample wt/vol: 5.08 (g) Date Analyzed: 08/11/2022 20:42

Con. Extract Vol.: 10 (mL) Dilution Factor: 1

Injection Volume: 20 (uL) GC Column: C-18 ID: 4.6 (mm)

% Moisture: 8.9 % Solids: 91.1 GPC Cleanup: (Y/N) N

Cleanup Factor: _____

Analysis Batch No.: 182595 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	2.192		0.54	0.36
2706-90-3	Perfluoropentanoic acid (PFPeA)	2.419		0.22	0.059
307-24-4	Perfluorohexanoic acid (PFHxA)	2.276		0.22	0.050
375-85-9	Perfluoroheptanoic acid (PFHpA)	2.227		0.22	0.042
335-67-1	Perfluorooctanoic acid (PFOA)	2.734		0.22	0.063
375-95-1	Perfluorononanoic acid (PFNA)	2.277		0.22	0.037
335-76-2	Perfluorodecanoic acid (PFDA)	2.161		0.22	0.030
2058-94-8	Perfluoroundecanoic acid (PFUnA)	2.240		0.22	0.029
307-55-1	Perfluorododecanoic acid (PFDoA)	2.222		0.22	0.027
72629-94-8	Perfluorotridecanoic acid (PFTriA)	2.071		0.22	0.027
376-06-7	Perfluorotetradecanoic acid (PFTeA)	2.117		0.22	0.028
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1.930		0.22	0.036
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1.998		0.22	0.044
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	2.211		0.22	0.025
335-77-3	Perfluorodecanesulfonic acid (PFDS)	2.162		0.22	0.021
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	5.021		0.22	0.12
754-91-6	Perfluorooctanesulfonamide (FOSA)	2.177		0.22	0.037
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.267		2.16	0.12
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.071	J	2.16	0.090
27619-97-2	6:2 FTS	2.225		2.16	0.062
39108-34-4	8:2 FTS	2.396		2.16	0.040

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-263208-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: 460-263422-A-2-B MS
 Matrix: Solid Lab File ID: PA220811B17.d
 Analysis Method: 537 (modified) Date Collected: _____
 Extraction Method: SHAKE Date Extracted: 08/10/2022 17:30
 Sample wt/vol: 5.08(g) Date Analyzed: 08/11/2022 20:42
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 20(uL) GC Column: C-18 ID: 4.6 (mm)
 % Moisture: 8.9 % Solids: 91.1 GPC Cleanup: (Y/N) N
 Cleanup Factor: _____
 Analysis Batch No.: 182595 Units: ug/Kg

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL01892	13C4 PFHpA	80		50-150
STL00990	13C4 PFOA	88		50-150
STL00995	13C5 PFNA	88		50-150
STL00992	13C4 PFBA	78		50-150
STL00993	13C2 PFHxA	80		50-150
STL00996	13C2 PFDA	88		50-150
STL00997	13C2 PFUnA	95		50-150
STL00994	18O2 PFHxS	73		50-150
STL00998	13C2 PFDoA	97		50-150
STL00991	13C4 PFOS	69		50-150
STL01056	13C8 FOSA	62		50-150
STL01893	13C5 PFPeA	77		50-150
STL02116	13C2 PFTeDA	88		50-150
STL02118	d3-NMeFOSAA	101		50-150
STL02117	d5-NEtFOSAA	116		50-150
STL02279	M2-6:2 FTS	96		50-150
STL02337	13C3 PFBS	69		50-150
STL02280	M2-8:2 FTS	125		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B17.d
 Lims ID: 460-263422-A-2-B MS
 Client ID:
 Sample Type: MS
 Inject. Date: 11-Aug-2022 20:42:10 ALS Bottle#: 17 Worklist Smp#: 17
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: 460-263422-A-2-B MS
 Misc. Info.: 200-0052043-017 Plate: 1 Rack: 2
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 12-Aug-2022 12:20:35 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: CTX1609

First Level Reviewer: nampitakw

Date: 12-Aug-2022 10:12:24

Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.085	2.076	0.009	0.602	1763418	0.9789		78.3	7110	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.085	2.076	0.009	1.000	1387328	1.01		101	135	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.386	2.386	0.0	0.689	1330843	0.9605		76.8	2143	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.386	2.386	0.0	1.000	1228514	1.12		112	23.4	M
D 47 13C3 PFBS										M
301.90 > 80.00	2.413	2.400	0.013	0.696	1293396	0.8067		69.4	101394	M
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.413	2.413	0.0	1.000	1096486	0.8928	Target=2.23	101	289	M
298.90 > 99.00	2.413	2.413	0.0	1.000	505238		2.17(1.11-3.34)		68.0	M
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.701	2.701	0.0	0.780	128872	0.9337		80.0	46.7	M
61 1H,1H,2H,2H-perfluorohexanesulfo										M
327.00 > 307.00	2.701	2.701	0.0	1.000	263281	1.00		107	186	M
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.737	2.737	0.0	1.000	1217376	1.05	Target=12.24	105	59.2	M
313.00 > 119.00	2.737	2.737	0.0	1.000	95055		12.81(6.12-18.36)		70.4	M
D 7 13C2 PFHxA										M
315.00 > 270.00	2.737	2.737	0.0	0.790	1384957	1.00		80.1	2242	M
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.750	2.737	0.013	0.884	988260	0.9243	Target=2.95	98.5	381	M
349.00 > 99.00	2.750	2.737	0.013	0.884	323912		3.05(1.48-4.43)		195	M
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.847	2.847	0.0	0.822	243176	0.9340		74.7	1613	

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	2.847	0.0	1.000	215035	1.03		103	1609	
D 11 18O2 PFHxS										
403.00 > 84.00	3.110	3.098	0.012	0.897	975156	0.8648		73.1	2349	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.110	3.098	0.012	1.000	840607	0.9242	Target=3.43	102	332	M
399.00 > 99.00	3.110	3.098	0.012	1.000	232989		3.61(1.72-5.15)		72.3	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.110	3.098	0.012	0.897	1438299	1.00		80.2	2387	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.110	3.110	0.0	1.000	1221546	1.03	Target=3.73	103	76.5	M
363.00 > 169.00	3.110	3.110	0.0	1.000	337127		3.62(1.86-5.59)		373	
77 DONA										M
377.00 > 251.00	3.154	3.143	0.011	0.834	2582288	1.08	Target=2.84	114	1592	M
377.00 > 85.00	3.154	3.143	0.011	0.834	908095		2.84(1.42-4.26)		634	M
D 12 M2-6:2 FTS										M
429.00 > 81.00	3.456	3.447	0.009	0.997	215803	1.14		96.3	122	M
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.456	3.447	0.009	1.000	277004	1.03		109	458	M
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.456	3.447	0.009	0.914	736362	1.02	Target=4.89	107	377	M
449.00 > 99.00	3.456	3.447	0.009	0.914	145348		5.07(2.44-7.33)		160	M
D 14 13C4 PFOA										
417.00 > 372.00	3.465	3.456	0.009	1.000	1612499	1.10		87.7	3264	
* 62 13C2 PFOA										M
415.00 > 370.00	3.465	3.456	0.009		1929487	1.25			2764	M
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.465	3.456	0.009	1.000	1829889	1.26	Target=2.67	126	82.1	M
413.00 > 169.00	3.465	3.456	0.009	1.000	661014		2.77(1.34-4.01)		518	M
D 18 13C4 PFOS										
503.00 > 80.00	3.783	3.773	0.010	1.092	696133	0.8268		69.2	593	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.783	3.773	0.010	1.000	1357177	2.32	Target=4.88	250	458	M
499.00 > 99.00	3.783	3.773	0.010	1.000	287637		4.72(2.44-7.32)		273	M
20 Perfluorononanoic acid										
463.00 > 419.00	3.802	3.792	0.010	1.000	1438885	1.05	Target=8.23	105	138	
463.00 > 169.00	3.802	3.792	0.010	1.000	182812		7.87(4.11-12.34)		648	
D 19 13C5 PFNA										M
468.00 > 423.00	3.802	3.792	0.010	1.097	1678230	1.10		88.0	1962	M
69 9-Chlorohexadecafluoro-3-oxanona										M
531.00 > 351.00	3.951	3.940	0.011	1.044	1019116	0.99		106	1375	M
68 Perfluorononanesulfonic acid										M
549.00 > 80.00	4.081	4.060	0.021	1.079	438844	0.9621	Target=2.53	100	373	M
549.00 > 99.00	4.081	4.060	0.021	1.079	179687		2.44(1.26-3.79)		322	M
D 23 13C2 PFDA										M
515.00 > 470.00	4.104	4.092	0.012	1.184	1641876	1.11		88.4	2021	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	4.104	4.092	0.012	1.000	1381063	1.00	Target=9.67	100.0	195	
513.00 > 169.00	4.104	4.092	0.012	1.000	159452		8.66(4.83-14.50)		192	M
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.116	4.092	0.024	1.000	302822	1.11		116	1550	
D 26 M2-8:2 FTS										M
529.00 > 81.00	4.116	4.104	0.012	1.188	338761	1.49		125	248	M
D 21 13C8 FOSA										
506.00 > 78.00	4.161	4.150	0.011	1.201	1004531	0.7726		61.8	2020	
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.161	4.161	0.0	1.000	824900	1.01		101	671	
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.250	4.238	0.012	1.226	251582	1.26		101	586	
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.250	4.238	0.012	1.000	187495	1.05		105	406	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.353	4.330	0.023	1.151	339573	1.00	Target=2.80	104	493	
599.00 > 99.00	4.342	4.330	0.012	1.148	128312		2.65(1.40-4.20)		204	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.376	4.364	0.012	1.263	1343222	1.19		95.5	3337	
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.376	4.364	0.012	1.000	1179660	1.04	Target=9.07	104	274	M
563.00 > 169.00	4.376	4.364	0.012	1.000	132192		8.92(4.54-13.61)		292	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.387	4.376	0.011	1.266	272905	1.45		116	819	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.387	4.376	0.011	1.000	189879	0.9579		95.8	722	M
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.478	4.465	0.013	1.184	1319046	0.9848		105	2259	
D 36 13C2 PFDaA										M
615.00 > 570.00	4.612	4.601	0.011	1.331	1409127	1.21		96.6	2263	M
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.612	4.601	0.011	1.000	1174980	1.03	Target=6.97	103	204	
613.00 > 169.00	4.612	4.601	0.011	1.000	170598		6.89(3.48-10.45)		687	M
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.633	4.622	0.011	1.126	178853	1.40		145	654	M
75 Perfluorododecanesulfonic acid (										M
699.00 > 80.00	4.794	4.776	0.018	1.267	149822	0.99	Target=0.52	103	382	M
699.00 > 99.00	4.794	4.776	0.018	1.267	271206		0.55(0.26-0.79)		764	
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.837	4.813	0.024	1.049	949354	0.9579	Target=4.56	95.8	225	M
663.00 > 169.00	4.825	4.813	0.012	1.046	209166		4.54(2.28-6.84)		632	M
D 43 13C2 PFTeDA										
715.00 > 670.00	5.032	5.012	0.020	1.452	1051732	1.10		88.2	4004	
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.032	5.012	0.020	1.000	132019	0.9794	Target=0.94	97.9	516	M
713.00 > 219.00	5.022	5.012	0.010	0.998	135786		0.97(0.47-1.41)		785	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 44 13C2 PFHxDA										
815.00 > 770.00	5.389	5.366	0.023	1.555	871782	0.8026		64.2	2777	
45 Perfluorohexadecanoic acid										
813.00 > 769.00	5.389	5.378	0.011	1.000	650089	1.02	Target=4.38	102	297	
813.00 > 169.00	5.389	5.378	0.011	1.000	147017		4.42(2.19-6.57)		739	
46 Perfluorooctadecanoic acid										
913.00 > 869.00	5.740	5.713	0.027	1.065	510143	1.10	Target=4.31	110	363	M
913.00 > 169.00	5.740	5.713	0.027	1.065	115685		4.41(2.16-6.47)		456	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B17.d

Injection Date: 11-Aug-2022 20:42:10

Instrument ID: LC812

Lims ID: 460-263422-A-2-B MS

Client ID:

Operator ID: lc812tech

ALS Bottle#: 17

Worklist Smp#: 17

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

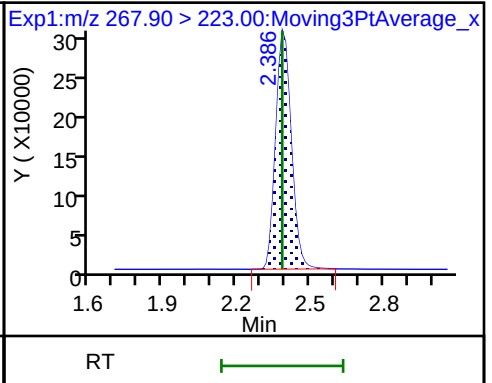
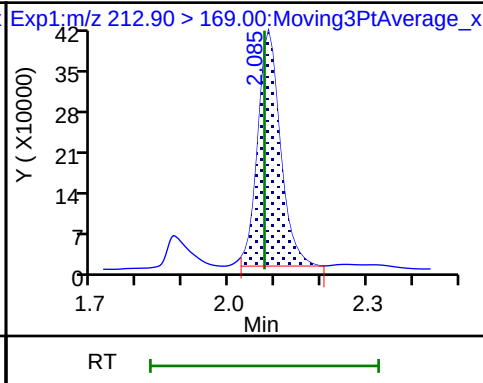
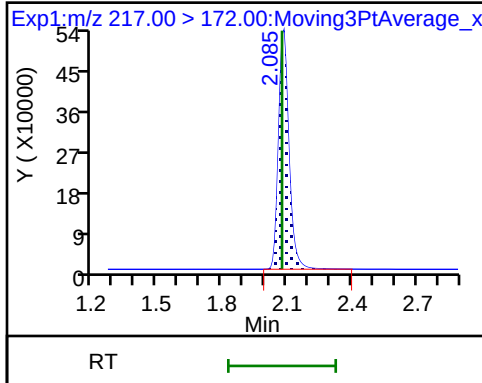
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

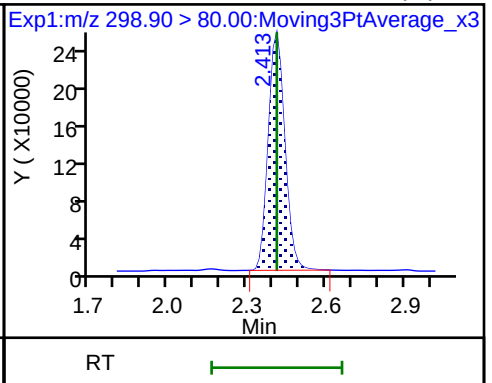
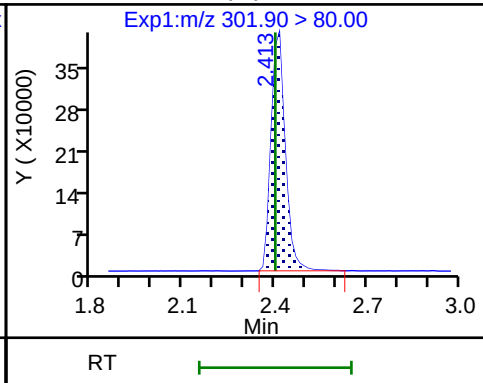
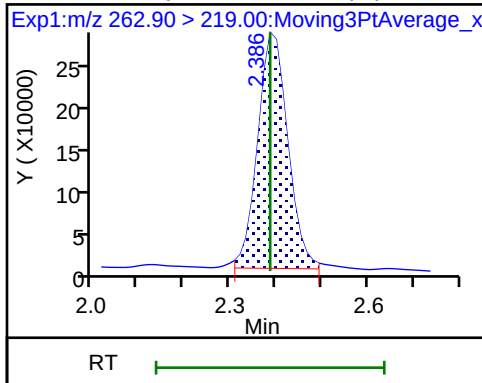
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

D 47 13C3 PFBS (M)

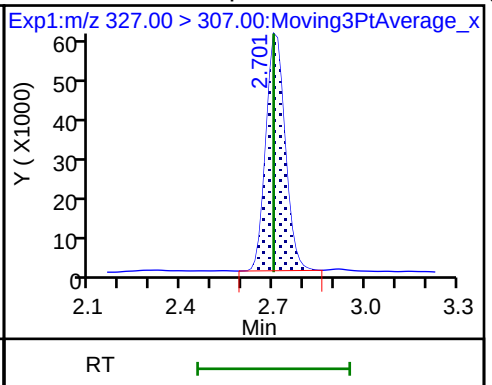
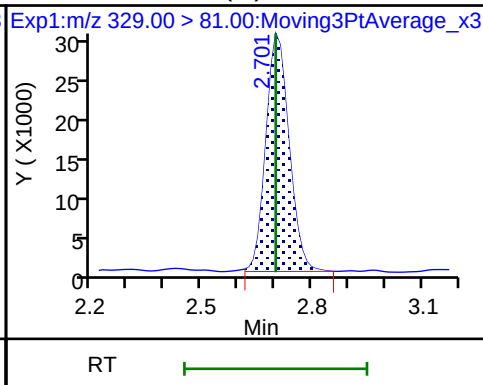
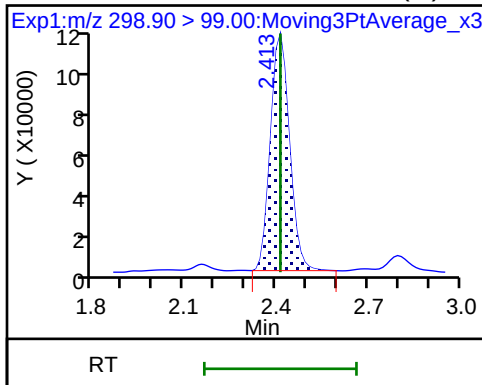
5 Perfluorobutanesulfonic acid (M)



5 Perfluorobutanesulfonic acid (M)

D 60 M2-4:2 FTS (M)

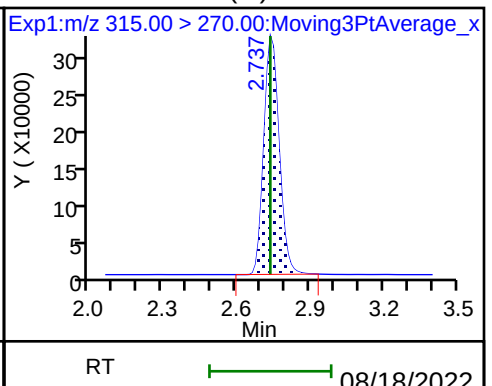
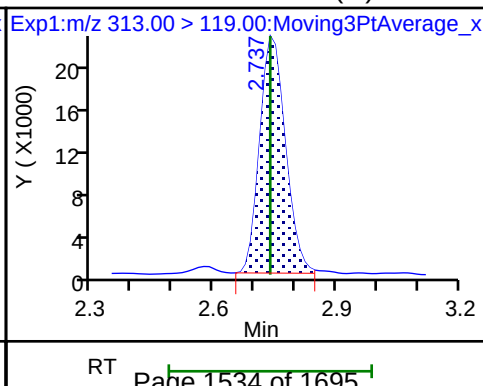
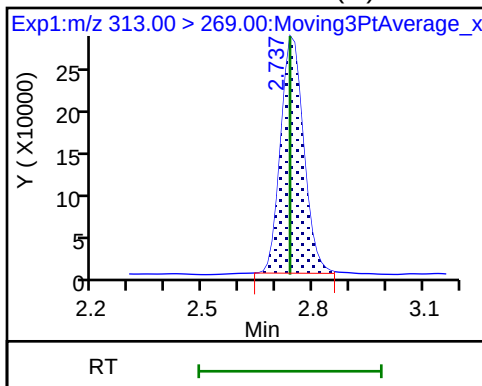
61 1H,1H,2H,2H-perfluorohexanesulfo (M)



6 Perfluorohexanoic acid (M)

6 Perfluorohexanoic acid (M)

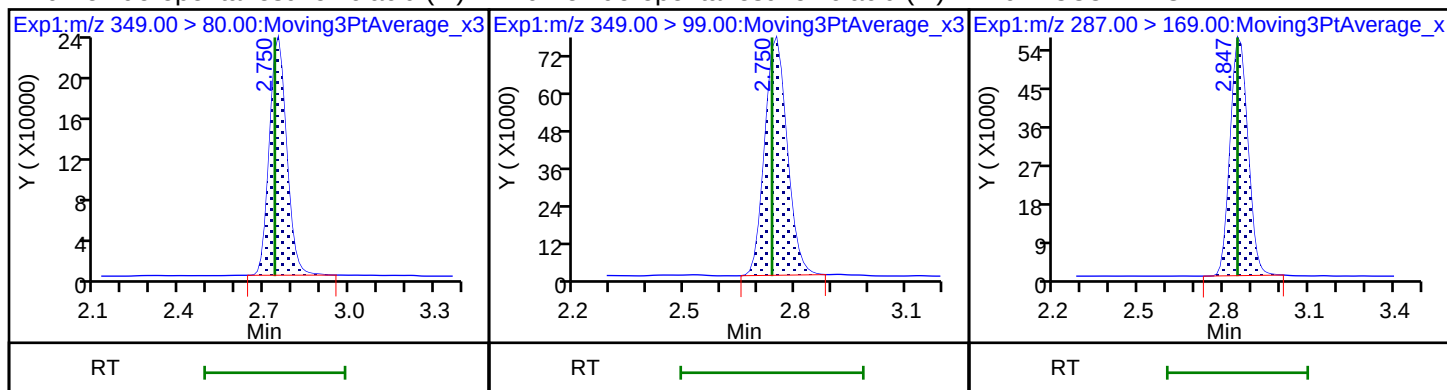
D 7 13C2 PFHxA (M)



70 Perfluoropentanesulfonic acid (M)

70 Perfluoropentanesulfonic acid (M)

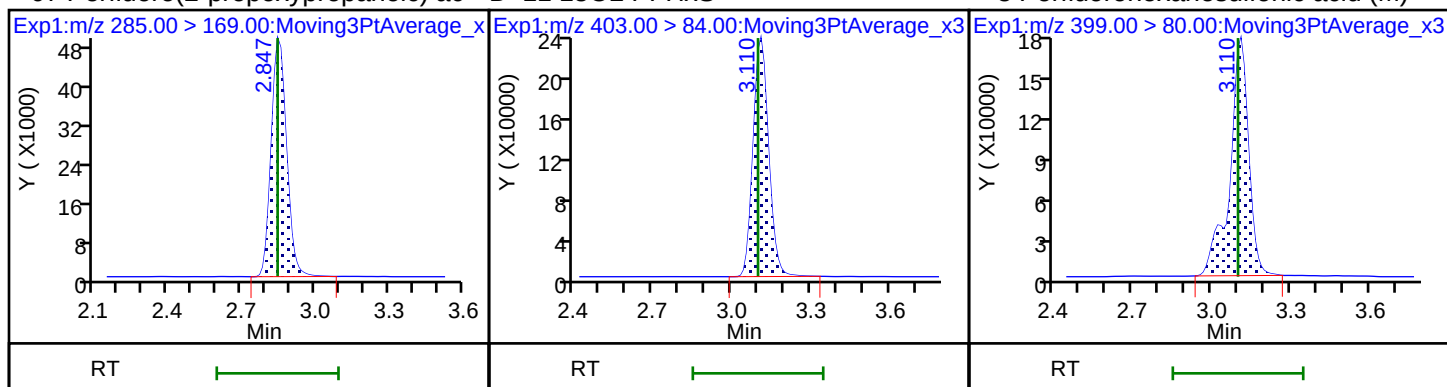
D 64 13C3 HFPO-DA



67 Perfluoro(2-propoxypropanoic) ac

D 11 18O2 PFHxS

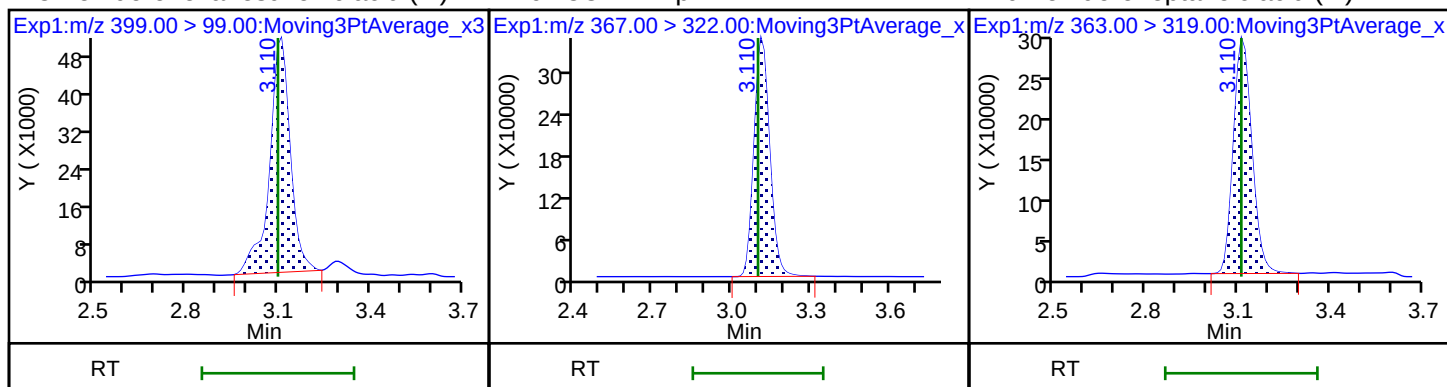
8 Perfluorohexanesulfonic acid (M)



8 Perfluorohexanesulfonic acid (M)

D 9 13C4 PFHpa

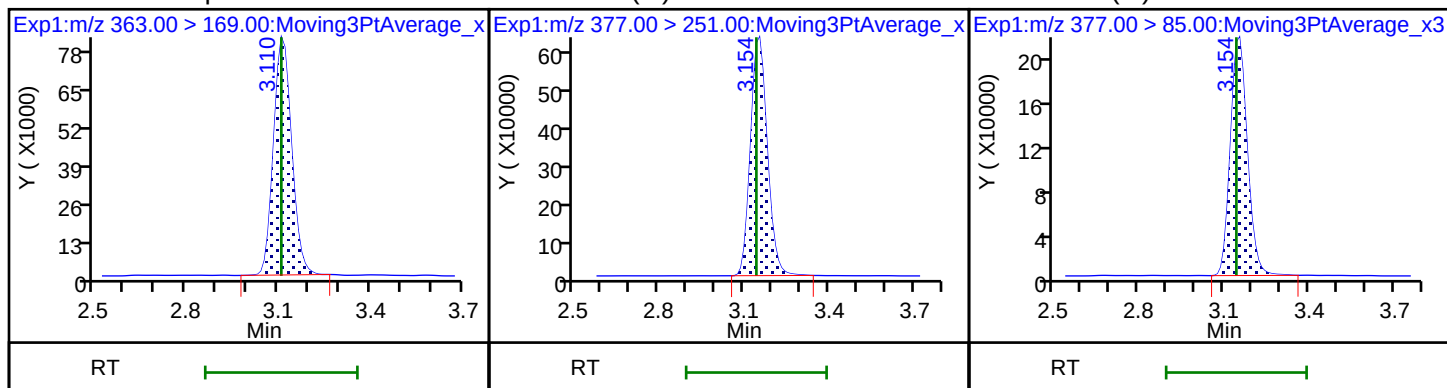
10 Perfluoroheptanoic acid (M)



10 Perfluoroheptanoic acid

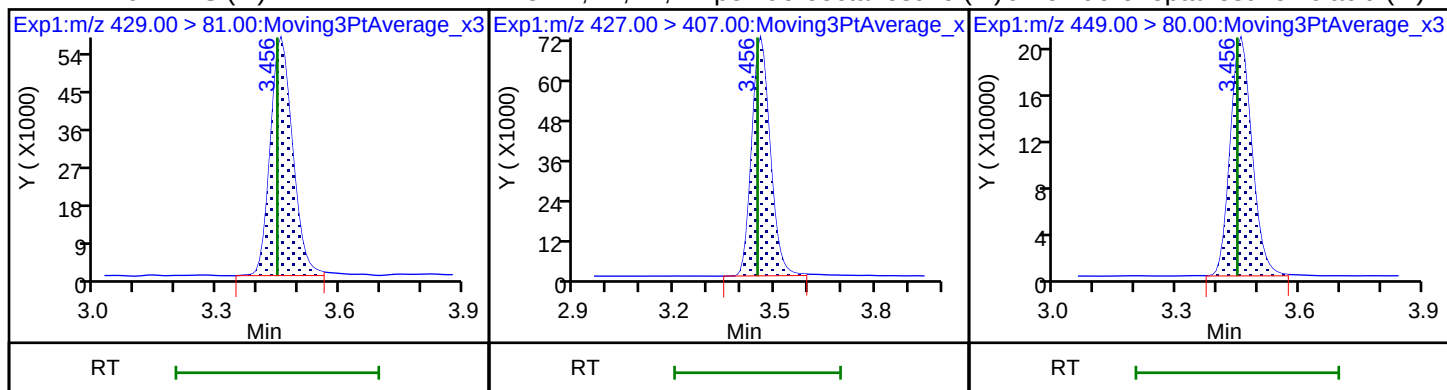
77 DONA (M)

77 DONA (M)



D 12 M2-6:2 FTS (M)

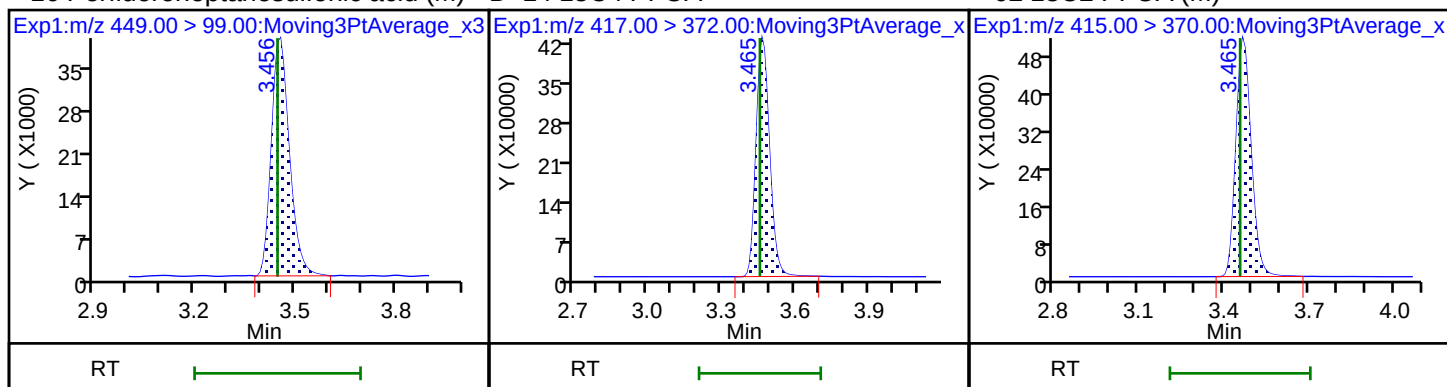
13 1H,1H,2H,2H-perfluorooctanesulfo (M) 16 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M)

D 14 13C4 PFOA

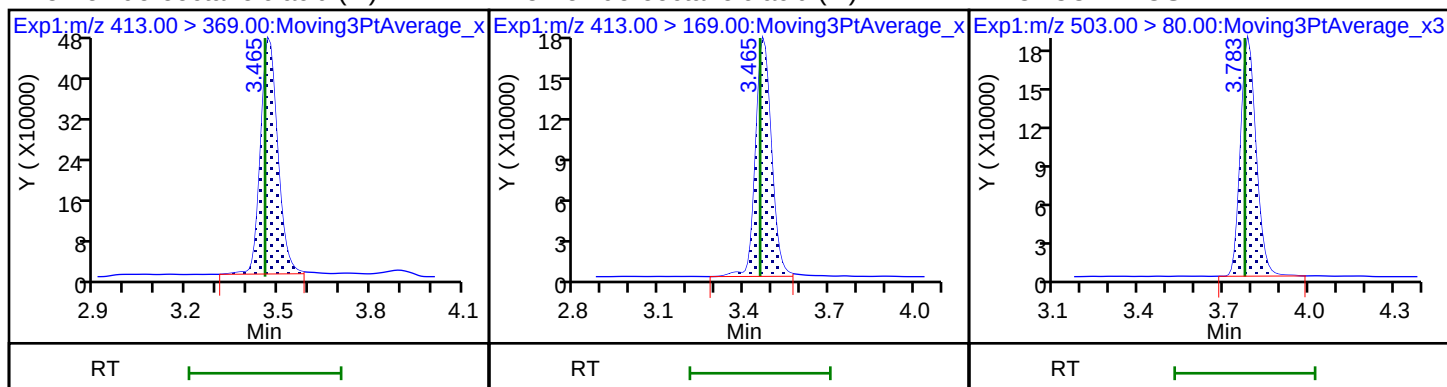
* 62 13C2 PFOA (M)



15 Perfluorooctanoic acid (M)

15 Perfluorooctanoic acid (M)

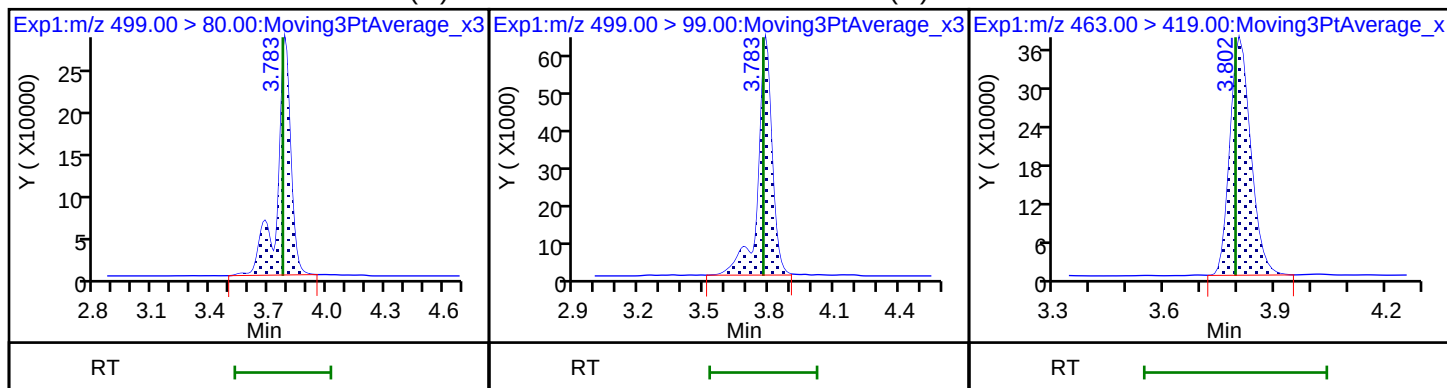
D 18 13C4 PFOS

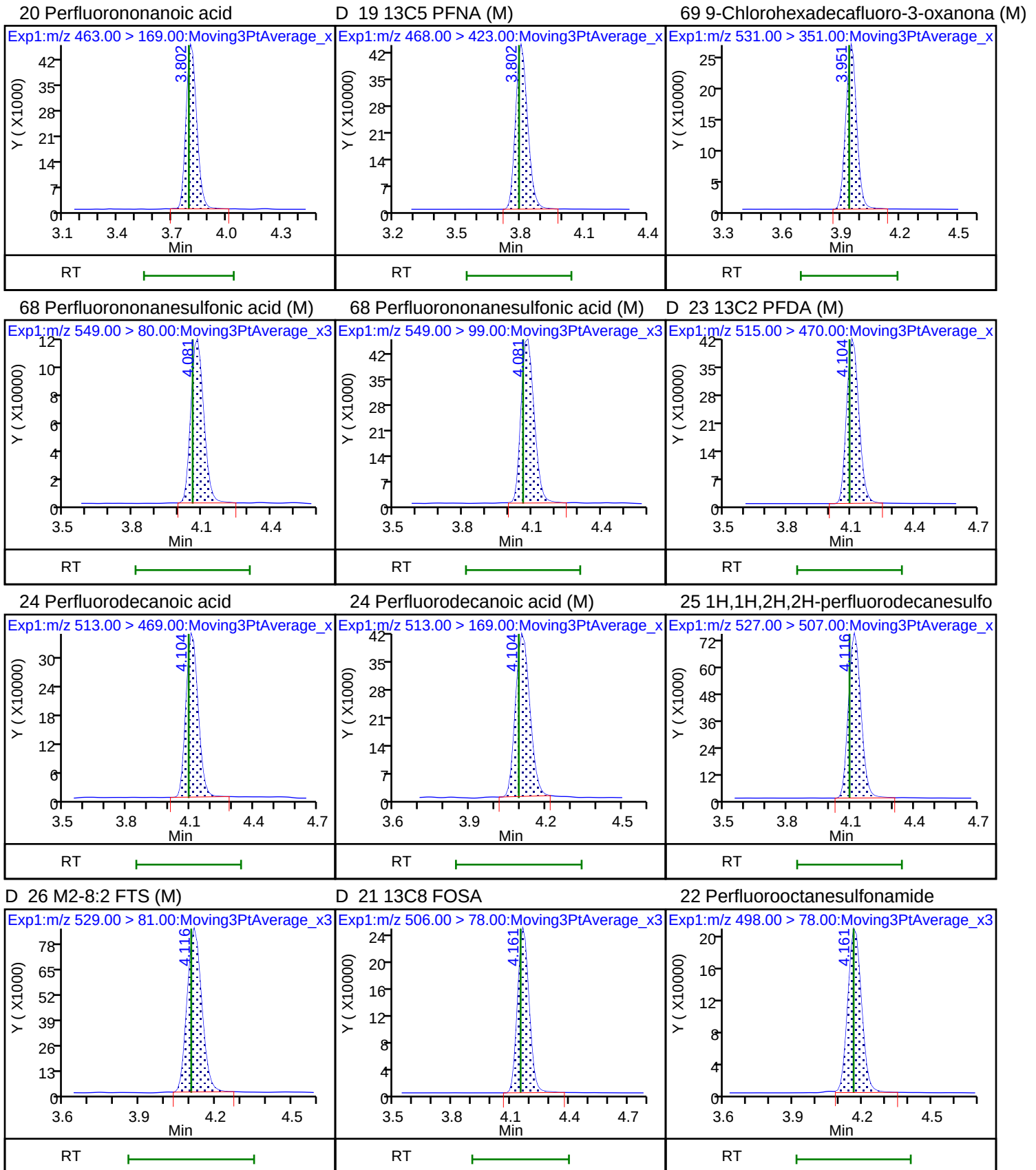


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

20 Perfluorononanoic acid

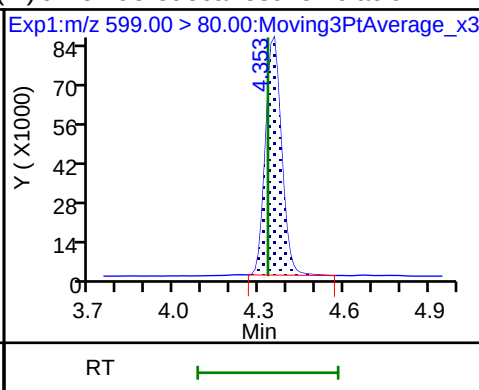
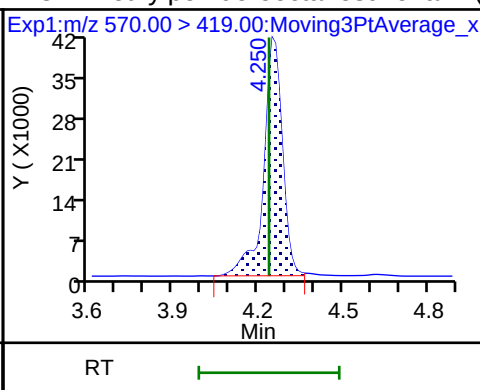
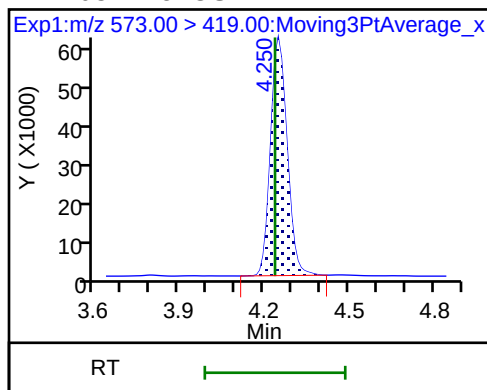




D 27 d3-NMeFOSAA

28 N-methylperfluorooctanesulfonami (M)

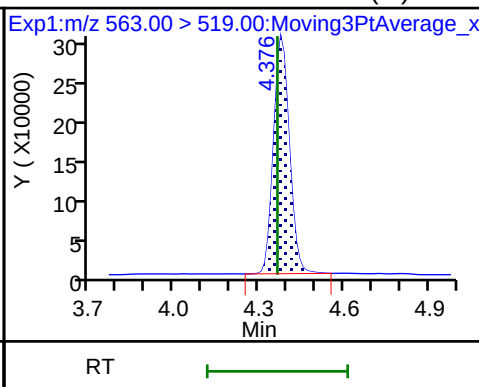
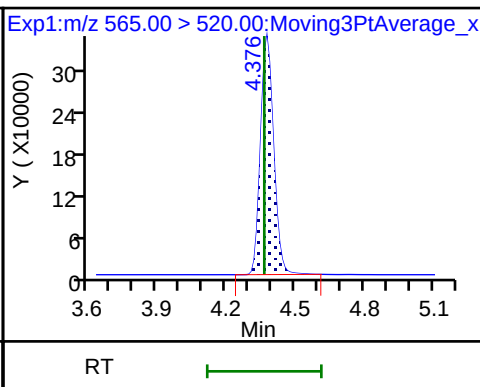
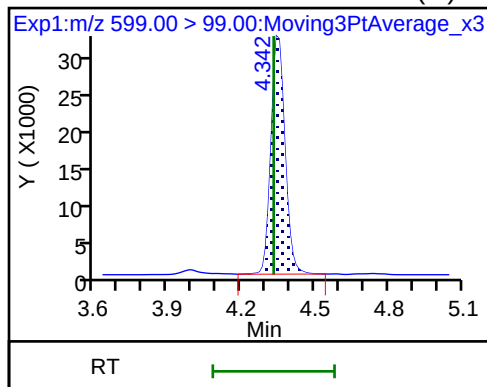
29 Perfluorodecanesulfonic acid



29 Perfluorodecanesulfonic acid (M)

D 30 13C2 PFUoA

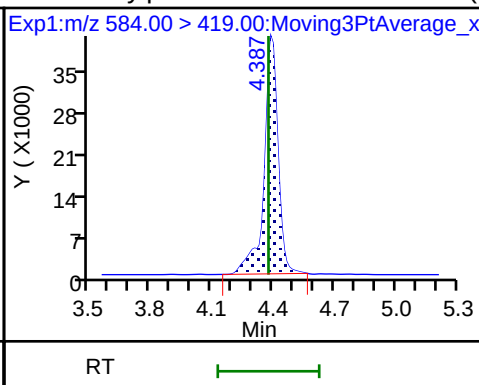
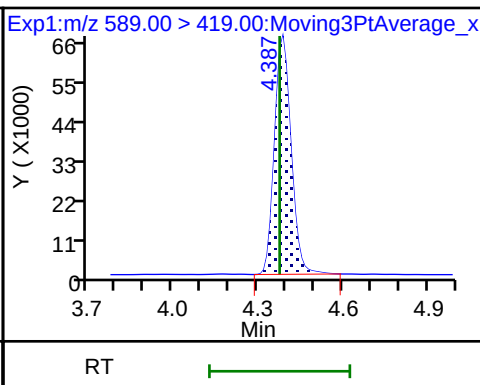
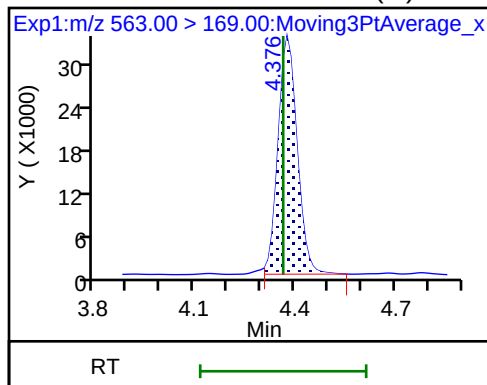
31 Perfluoroundecanoic acid (M)



31 Perfluoroundecanoic acid (M)

D 32 d5-NEtFOSAA

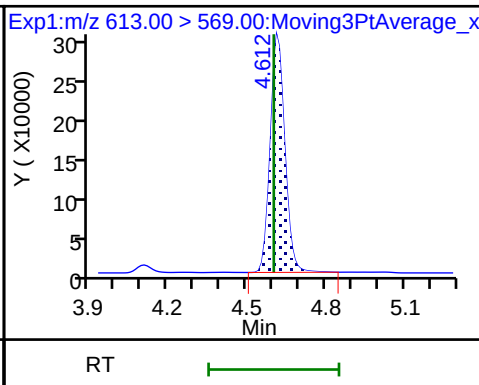
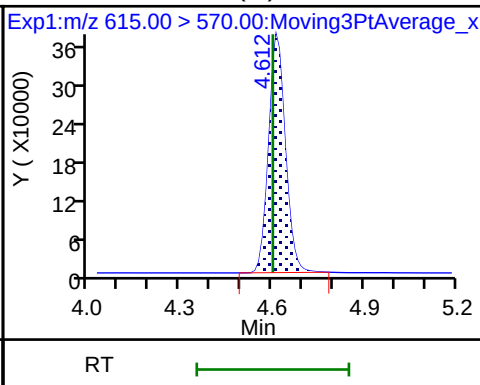
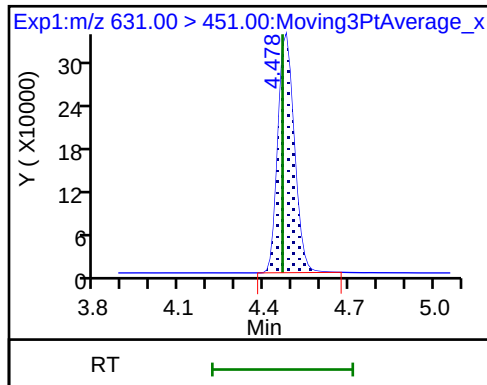
33 N-ethylperfluorooctanesulfonamid (M)

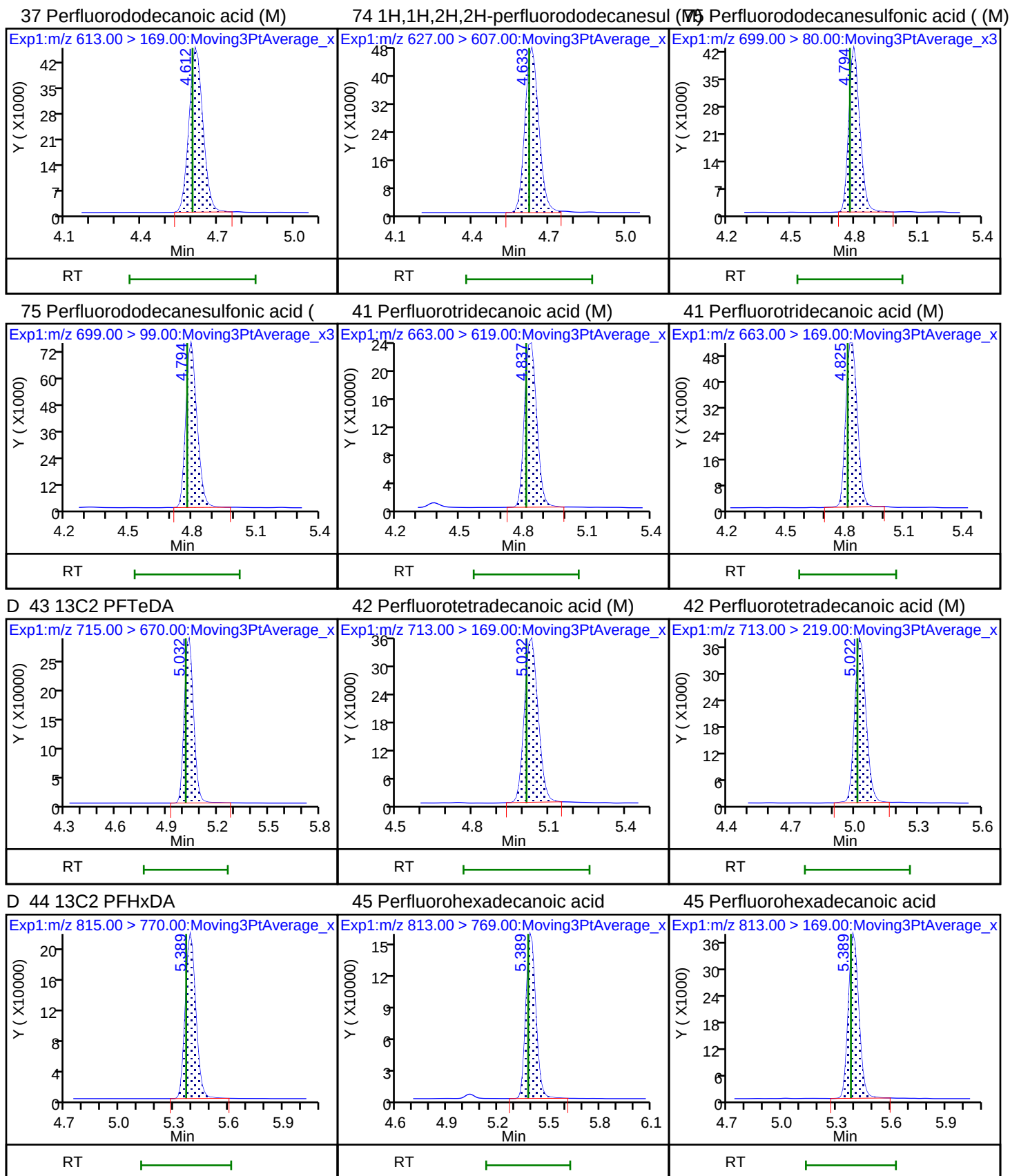


66 11-Chloroeicosafluoro-3-oxaundec

D 36 13C2 PFDaA (M)

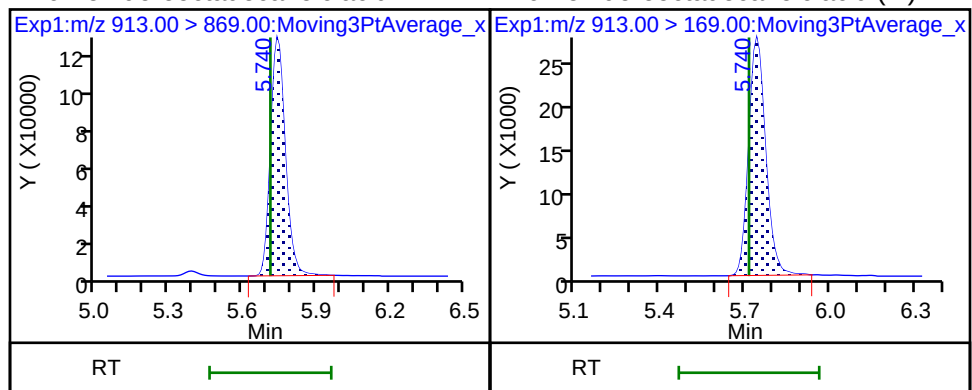
37 Perfluorododecanoic acid





46 Perfluorooctadecanoic acid

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B17.d

Injection Date: 11-Aug-2022 20:42:10

Instrument ID: LC812

Lims ID: 460-263422-A-2-B MS

Client ID:

Operator ID: lc812tech

ALS Bottle#:

17

Worklist Smp#: 17

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

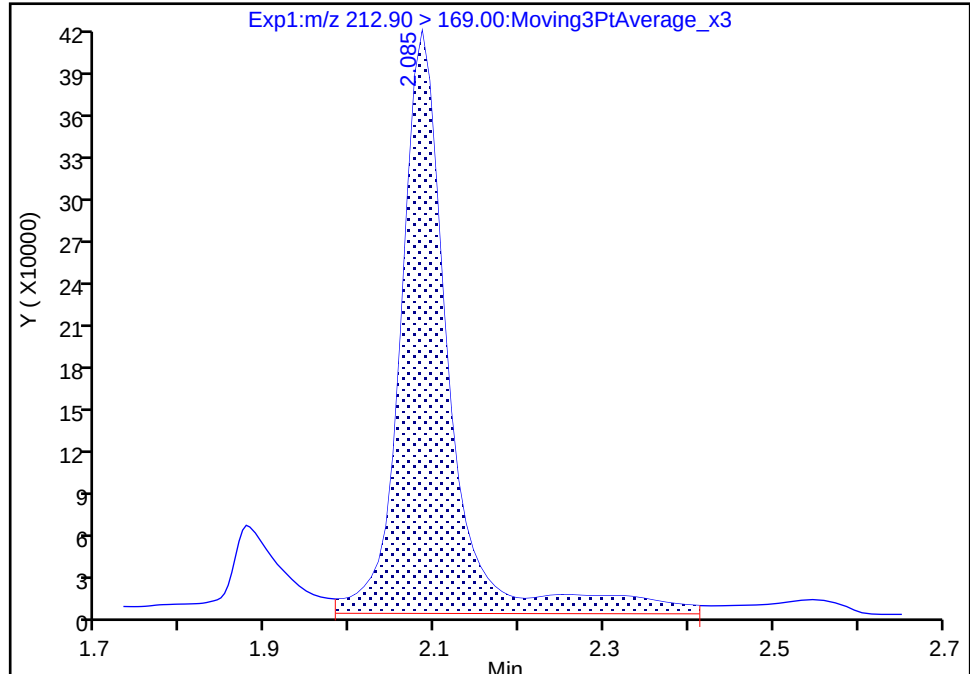
EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

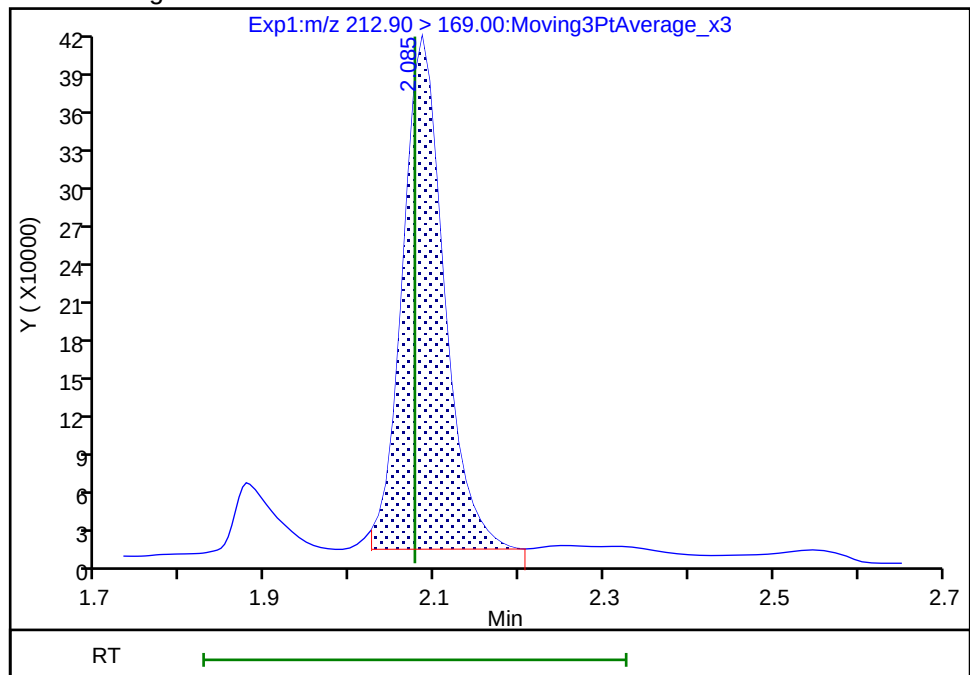
RT: 2.08
Area: 1677603
Amount: 1.226340
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 1387328
Amount: 1.014147
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 12:04:55

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B17.d

Injection Date: 11-Aug-2022 20:42:10

Instrument ID: LC812

Lims ID: 460-263422-A-2-B MS

Client ID:

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

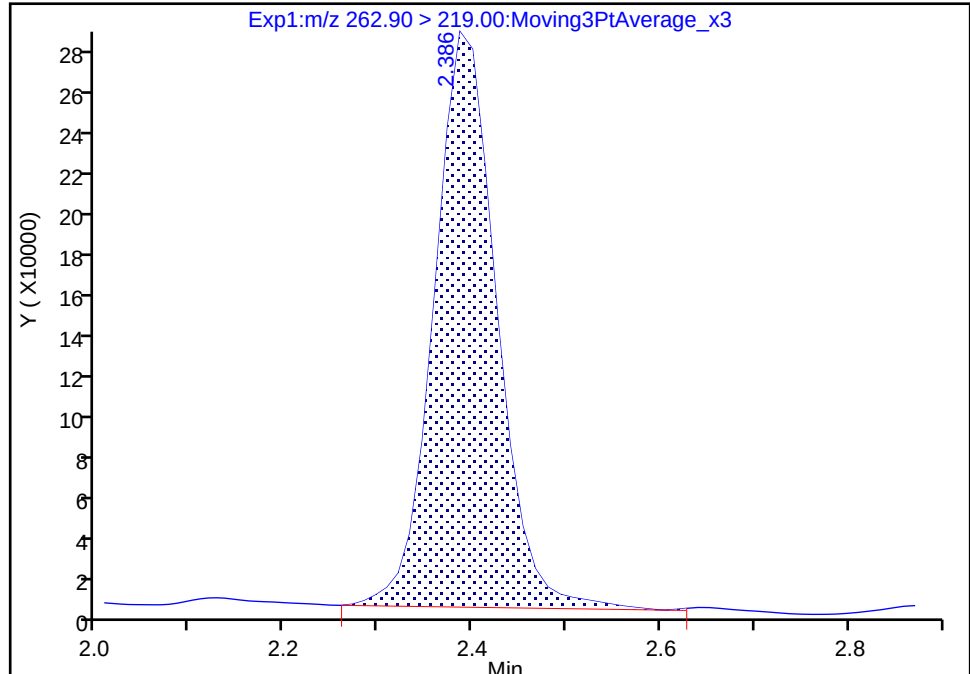
EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

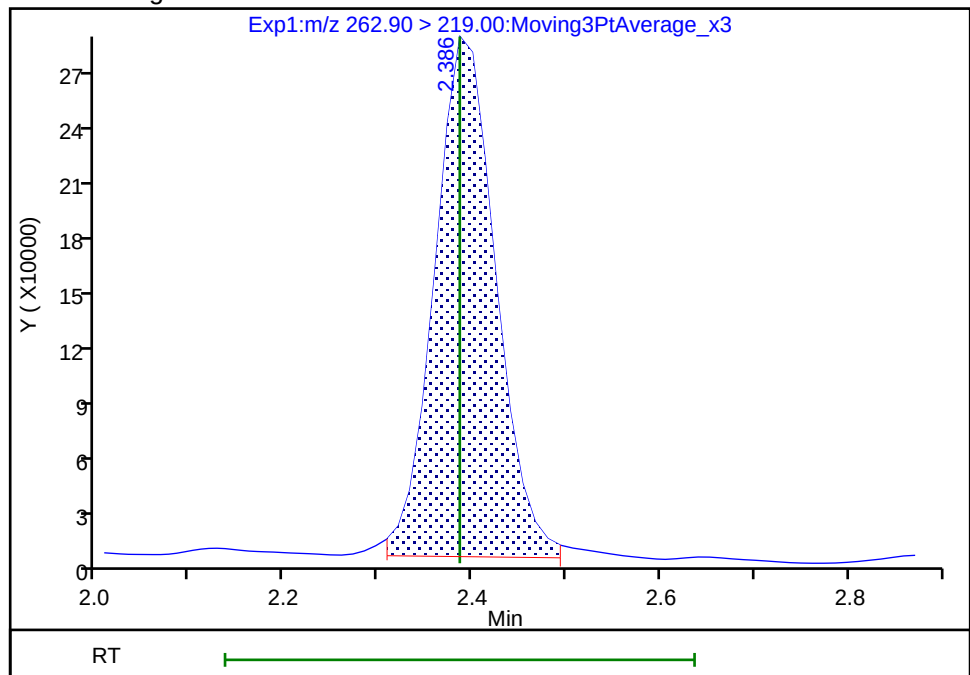
RT: 2.39
Area: 1256425
Amount: 1.144688
Amount Units: ng/ml

Processing Integration Results



RT: 2.39
Area: 1228514
Amount: 1.119260
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 12:05:01

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

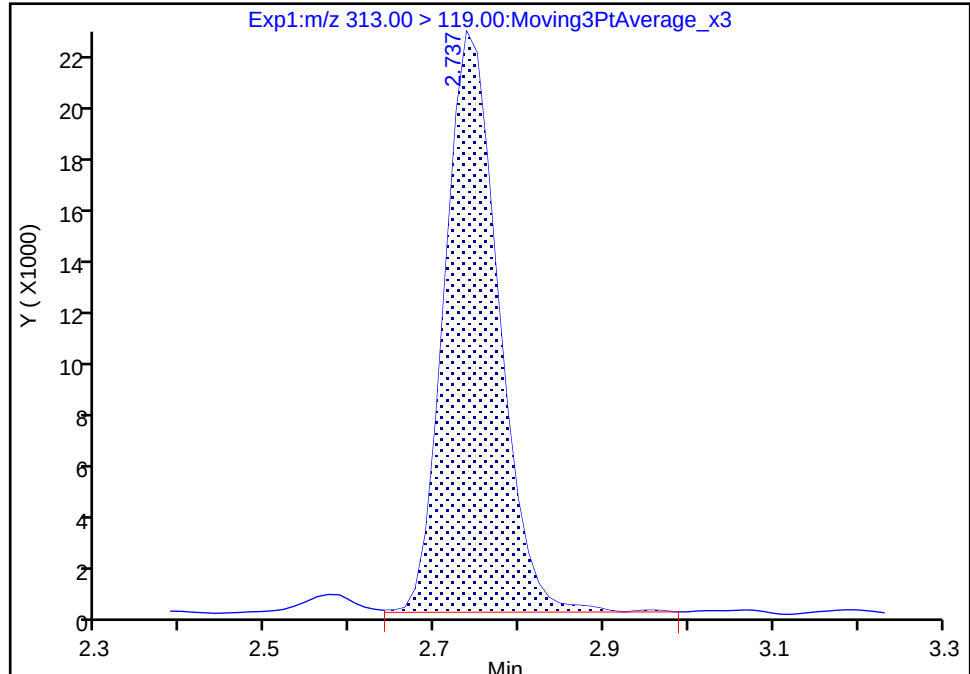
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B17.d
Injection Date: 11-Aug-2022 20:42:10 Instrument ID: LC812
Lims ID: 460-263422-A-2-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

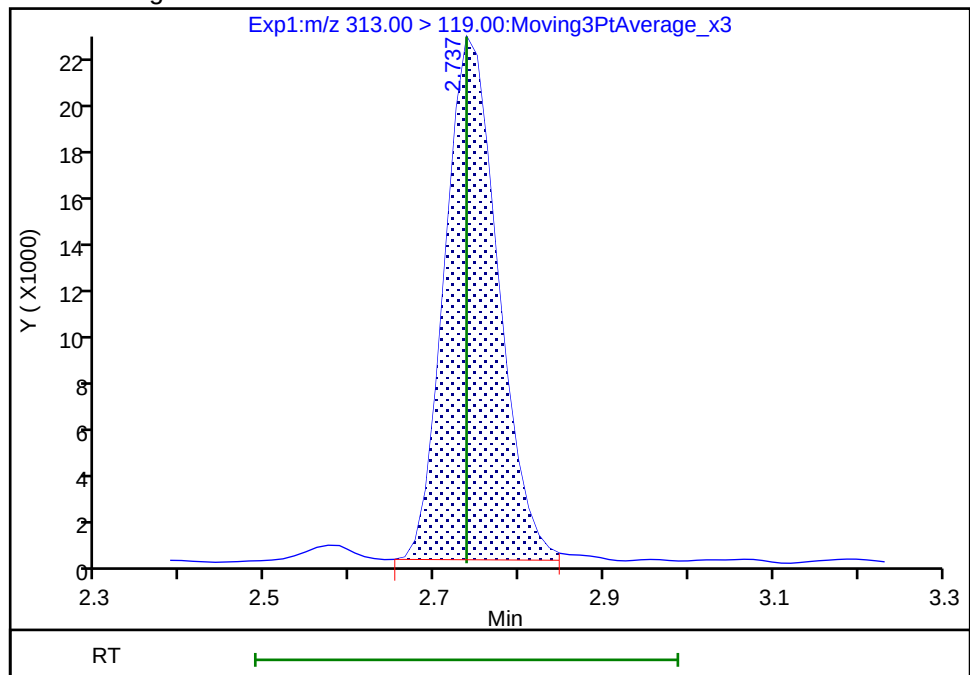
RT: 2.74
Area: 96787
Amount: 1.063162
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 95055
Amount: 1.052987
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 10:07:05
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1543 of 1695

08/18/2022

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B17.d

Injection Date: 11-Aug-2022 20:42:10

Instrument ID: LC812

Lims ID: 460-263422-A-2-B MS

Client ID:

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

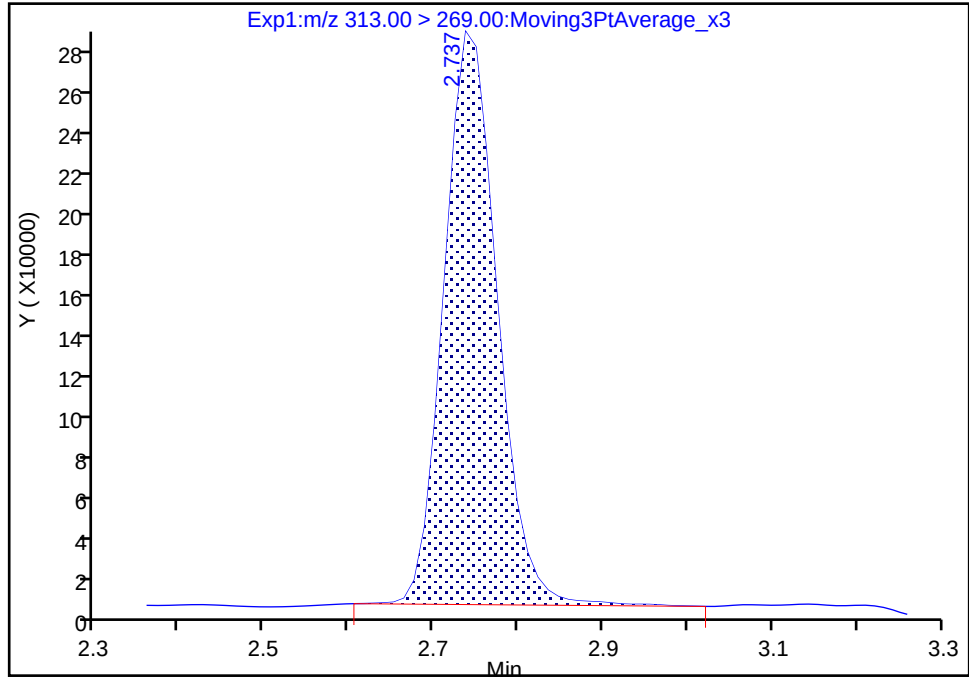
EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

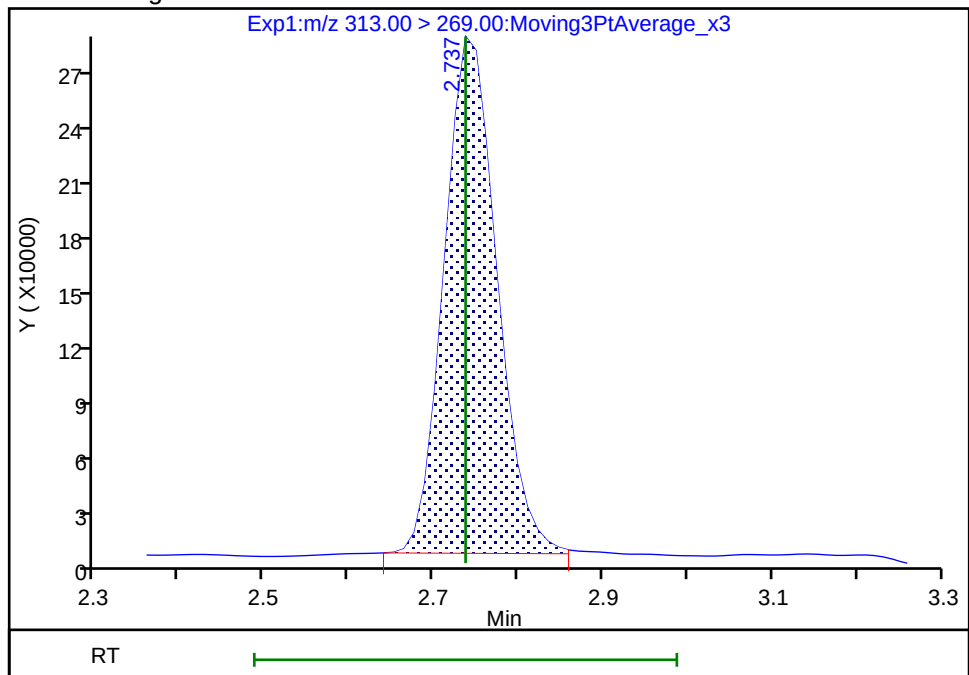
RT: 2.74
Area: 1235157
Amount: 1.063162
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 1217376
Amount: 1.052987
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 10:07:06

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B17.d

Injection Date: 11-Aug-2022 20:42:10

Instrument ID: LC812

Lims ID: 460-263422-A-2-B MS

Client ID:

Operator ID: lc812tech

ALS Bottle#:

17

Worklist Smp#: 17

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

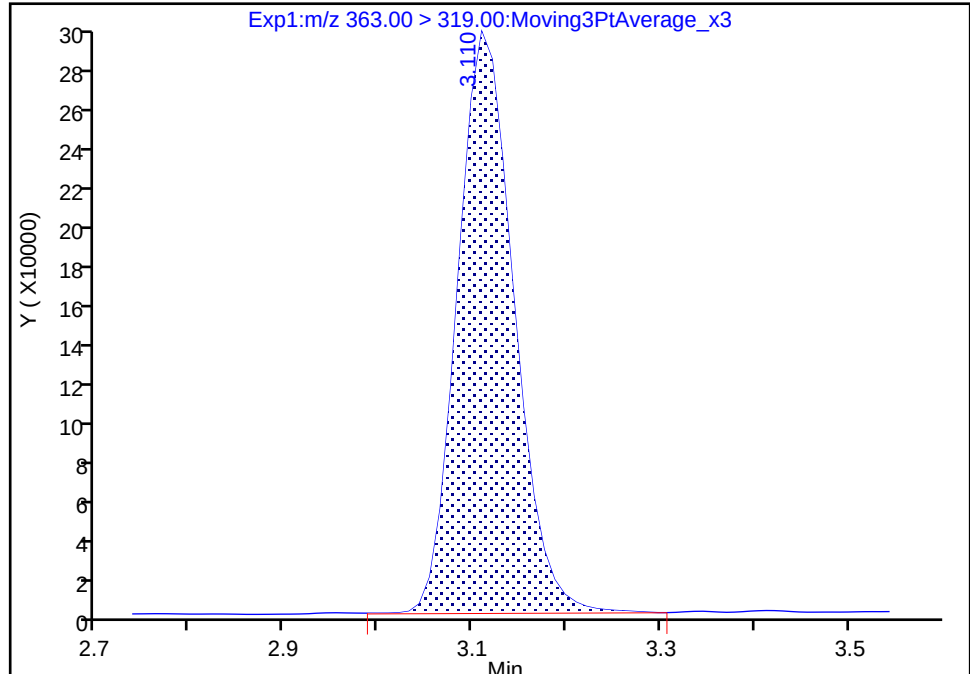
EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

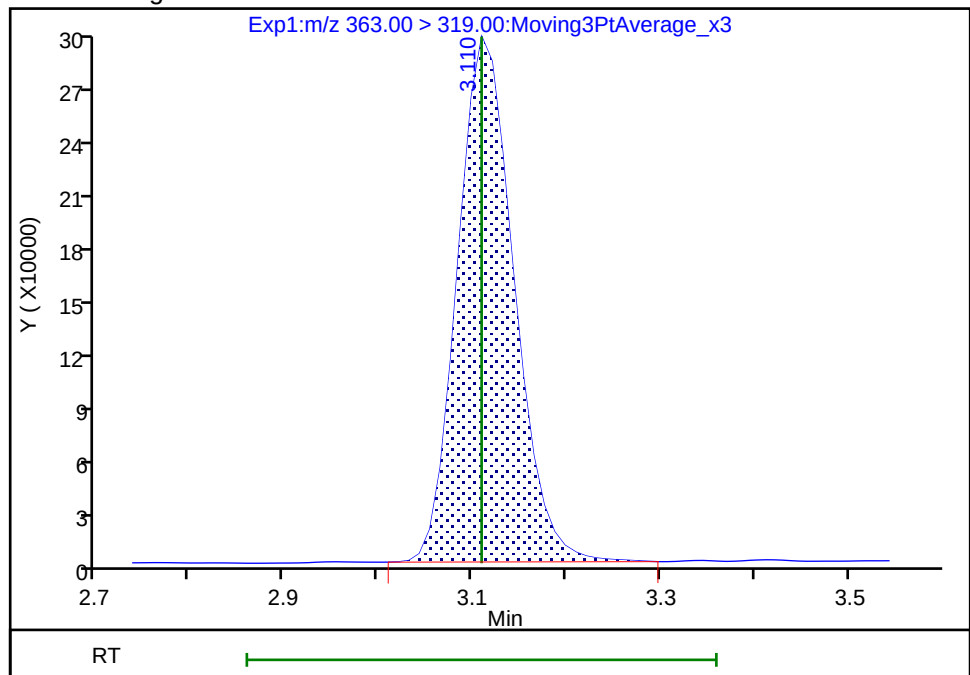
RT: 3.11
Area: 1225781
Amount: 1.033675
Amount Units: ng/ml

Processing Integration Results



RT: 3.11
Area: 1221546
Amount: 1.030104
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 10:07:39

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

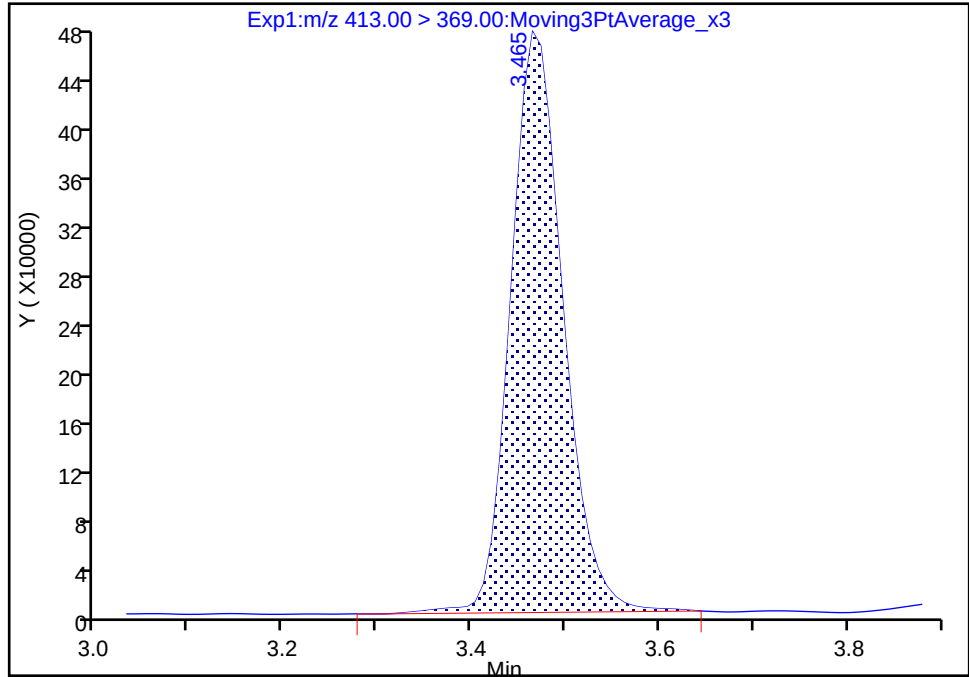
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B17.d
Injection Date: 11-Aug-2022 20:42:10 Instrument ID: LC812
Lims ID: 460-263422-A-2-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

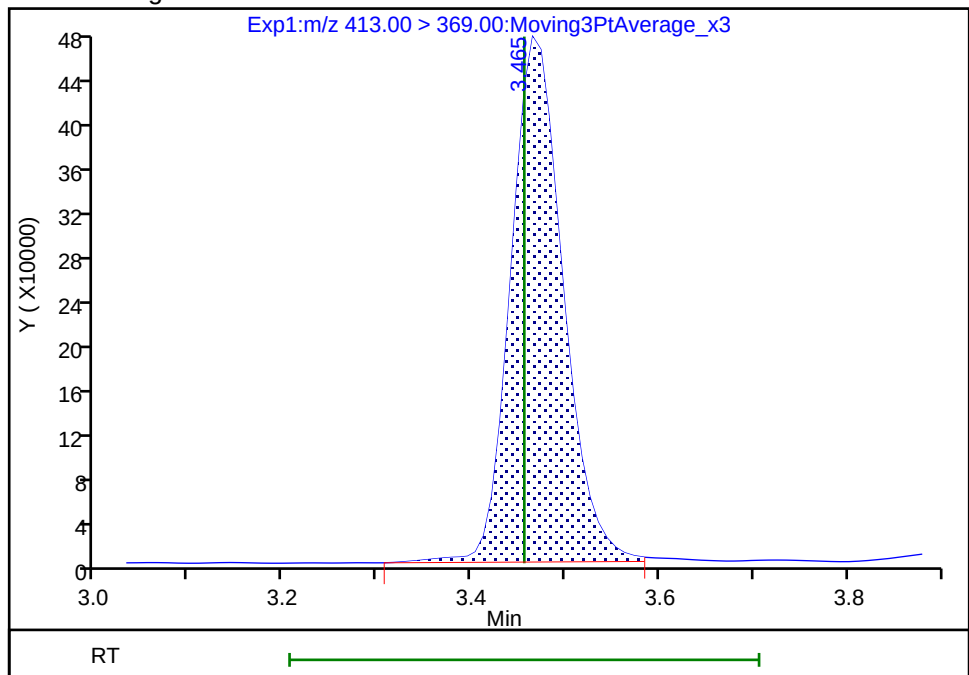
RT: 3.46
Area: 1829777
Amount: 1.264878
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 1829889
Amount: 1.264956
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 10:08:52
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B17.d

Injection Date: 11-Aug-2022 20:42:10

Instrument ID: LC812

Lims ID: 460-263422-A-2-B MS

Client ID:

Operator ID: lc812tech

ALS Bottle#:

17

Worklist Smp#: 17

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

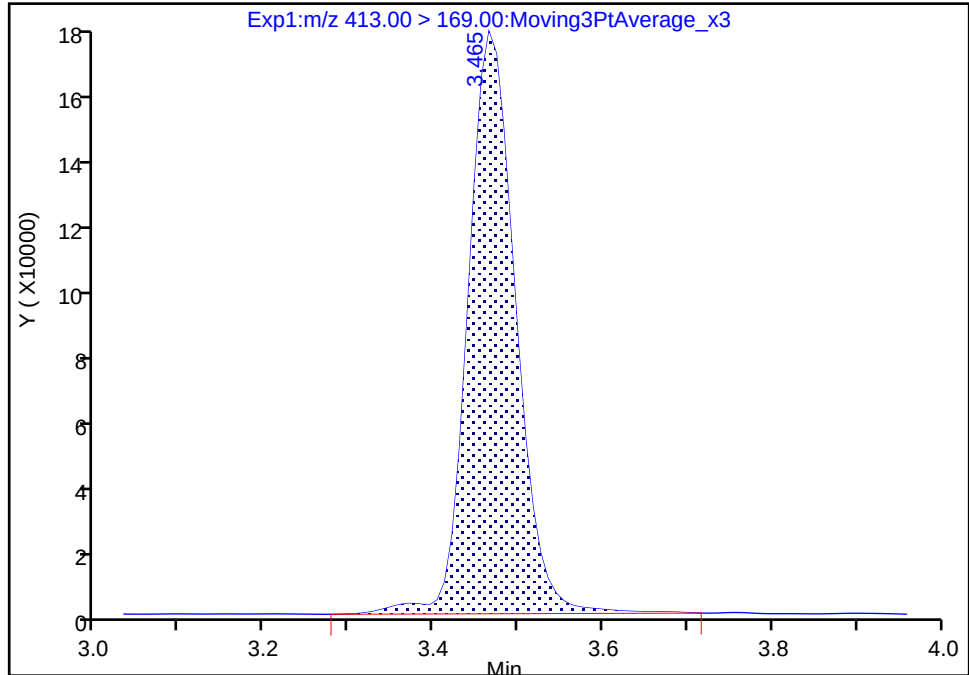
EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

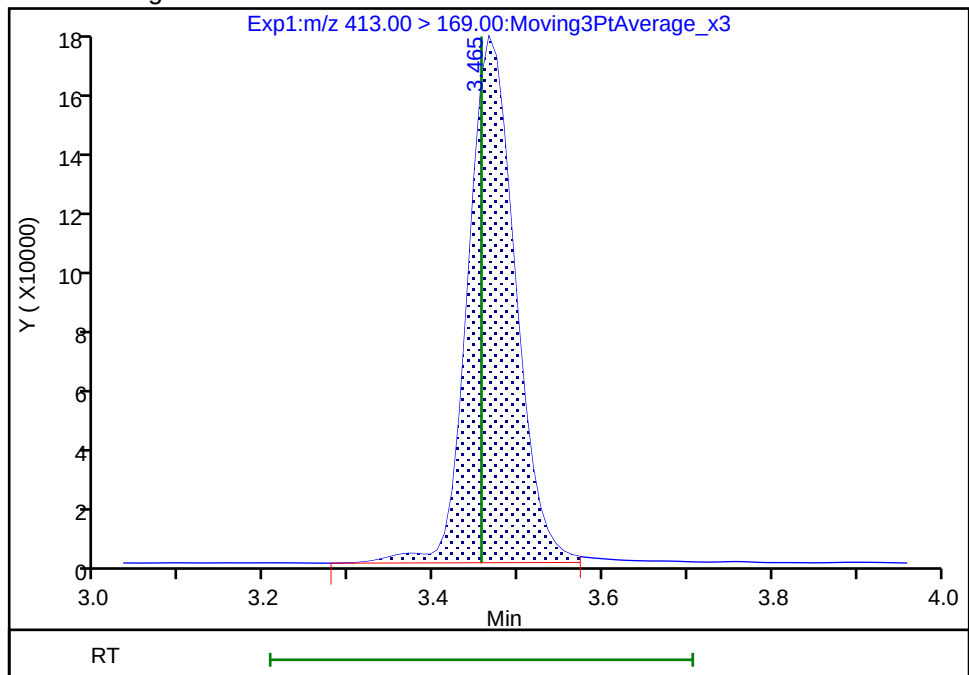
RT: 3.46
Area: 666671
Amount: 1.264878
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 661014
Amount: 1.264956
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 10:09:00

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B17.d

Injection Date: 11-Aug-2022 20:42:10

Instrument ID: LC812

Lims ID: 460-263422-A-2-B MS

Client ID:

Operator ID: lc812tech

ALS Bottle#:

17

Worklist Smp#: 17

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

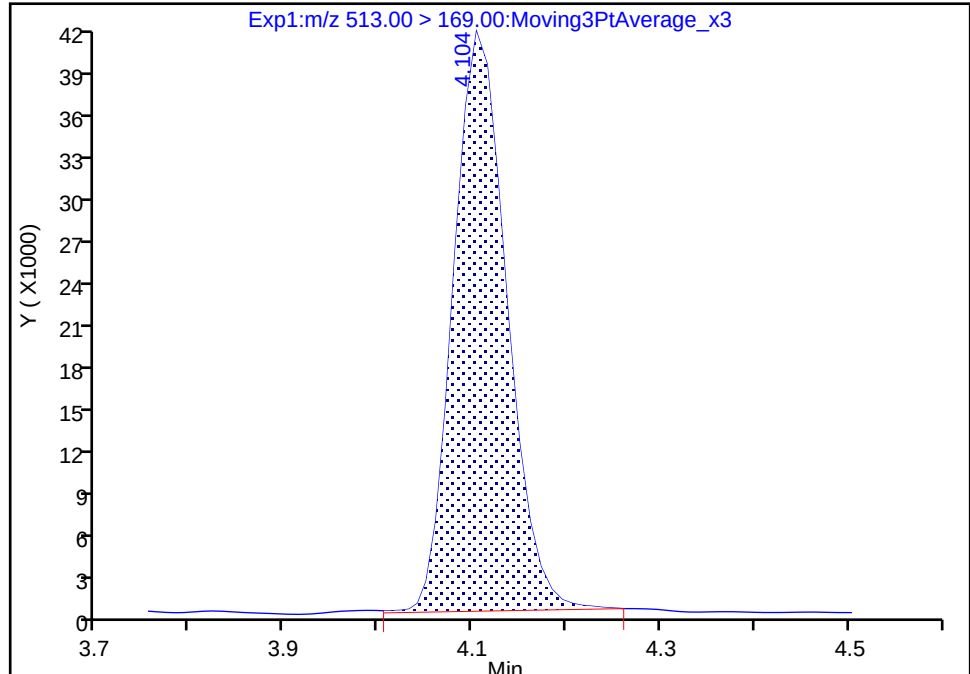
EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

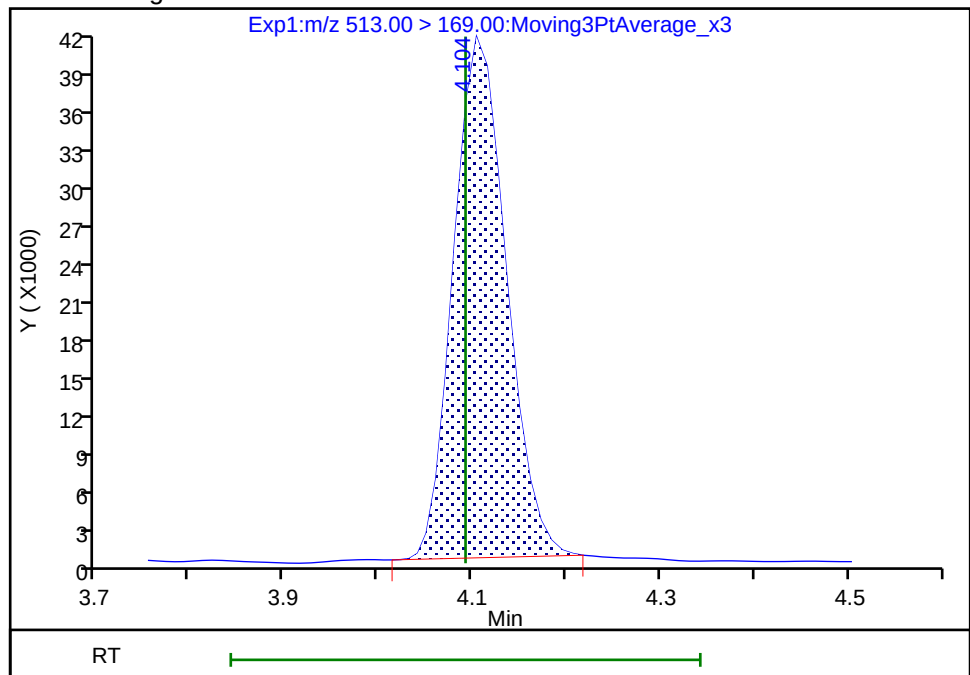
RT: 4.10
Area: 162395
Amount: 0.991865
Amount Units: ng/ml

Processing Integration Results



RT: 4.10
Area: 159452
Amount: 0.999751
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 10:10:30

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B17.d

Injection Date: 11-Aug-2022 20:42:10

Instrument ID: LC812

Lims ID: 460-263422-A-2-B MS

Client ID:

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

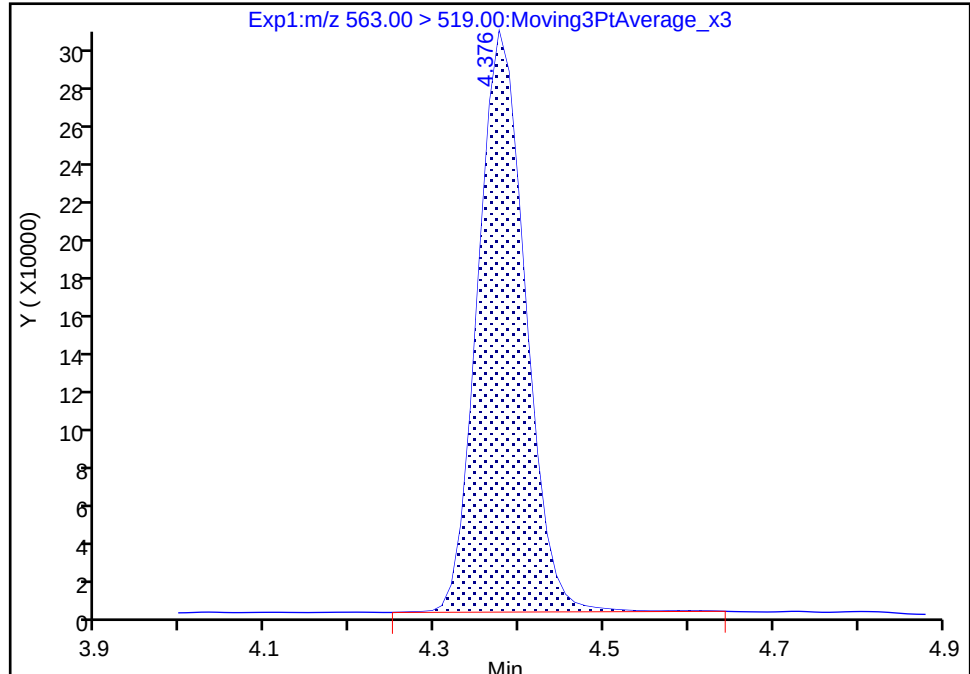
EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

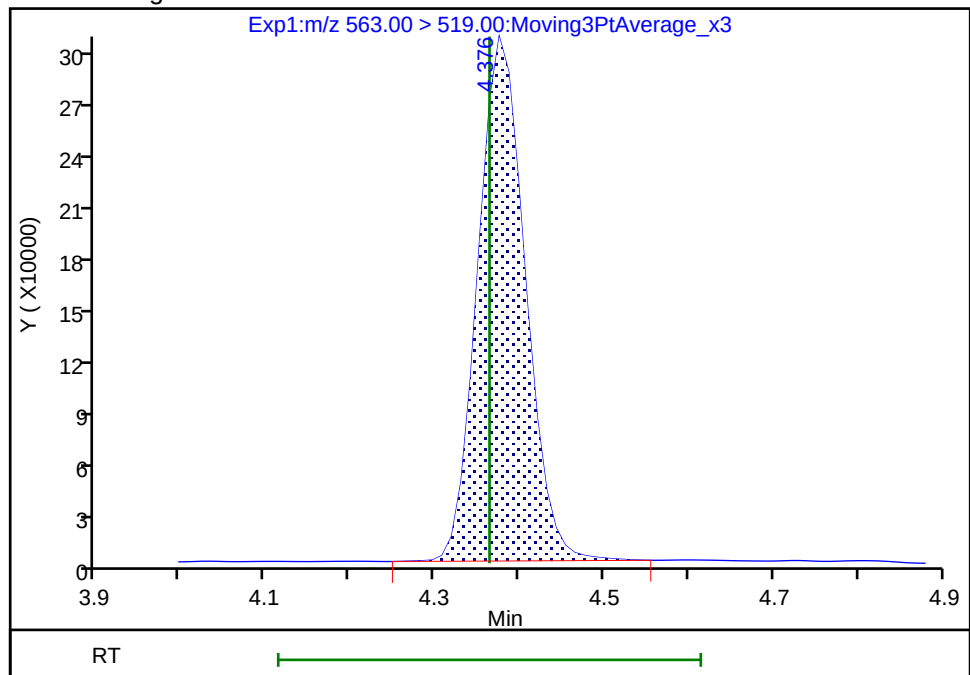
RT: 4.38
Area: 1183420
Amount: 1.039503
Amount Units: ng/ml

Processing Integration Results



RT: 4.38
Area: 1179660
Amount: 1.036200
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 10:11:12

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

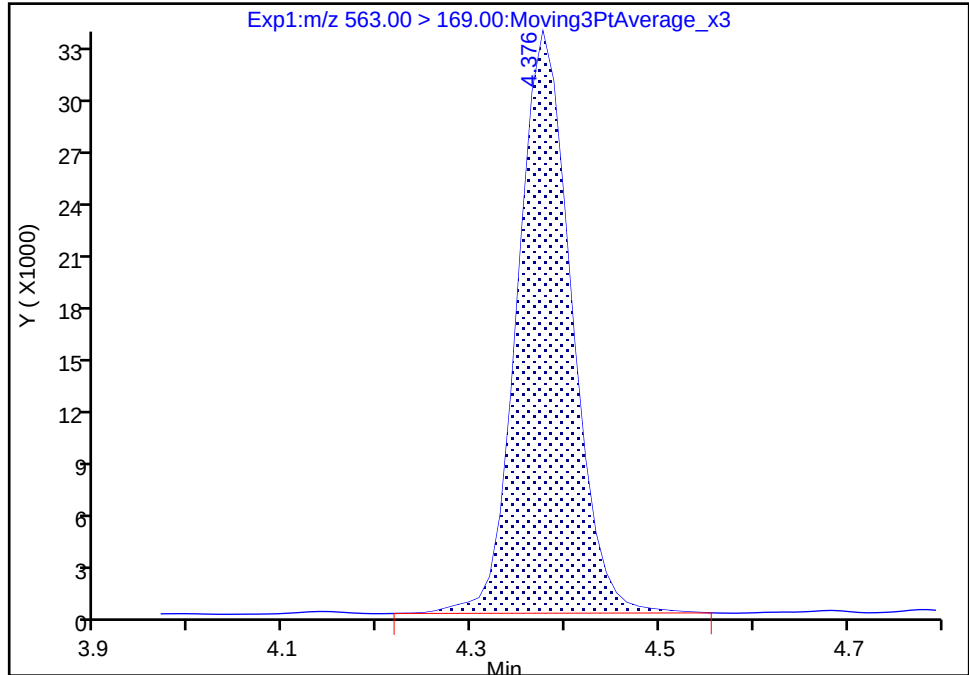
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B17.d
Injection Date: 11-Aug-2022 20:42:10 Instrument ID: LC812
Lims ID: 460-263422-A-2-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

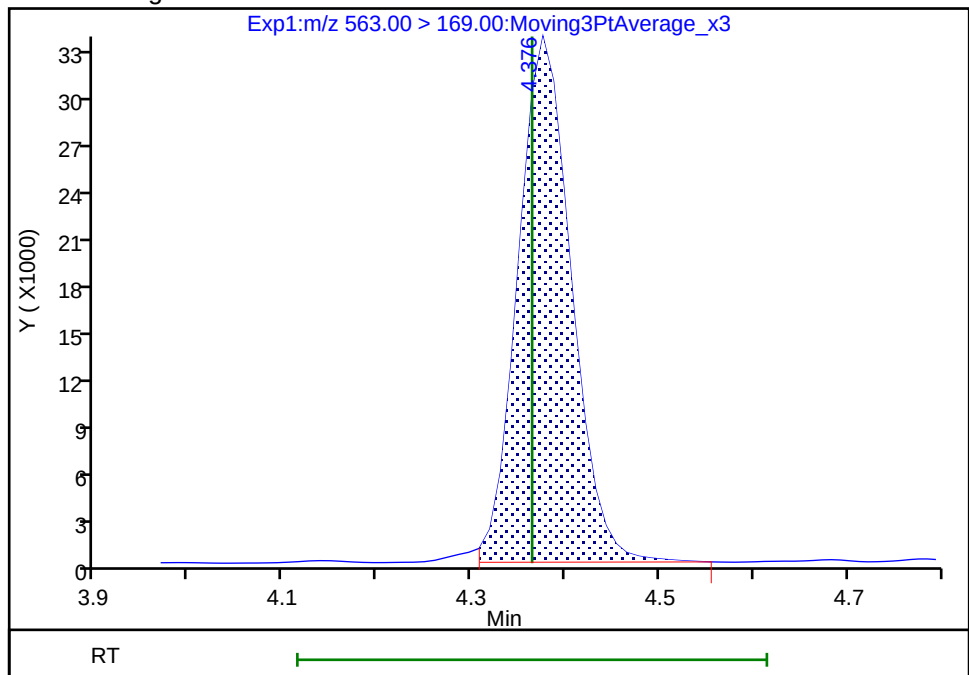
RT: 4.38
Area: 133635
Amount: 1.039503
Amount Units: ng/ml

Processing Integration Results



RT: 4.38
Area: 132192
Amount: 1.036200
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 12:06:24

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1550 of 1695

08/18/2022

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B17.d

Injection Date: 11-Aug-2022 20:42:10

Instrument ID: LC812

Lims ID: 460-263422-A-2-B MS

Client ID:

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

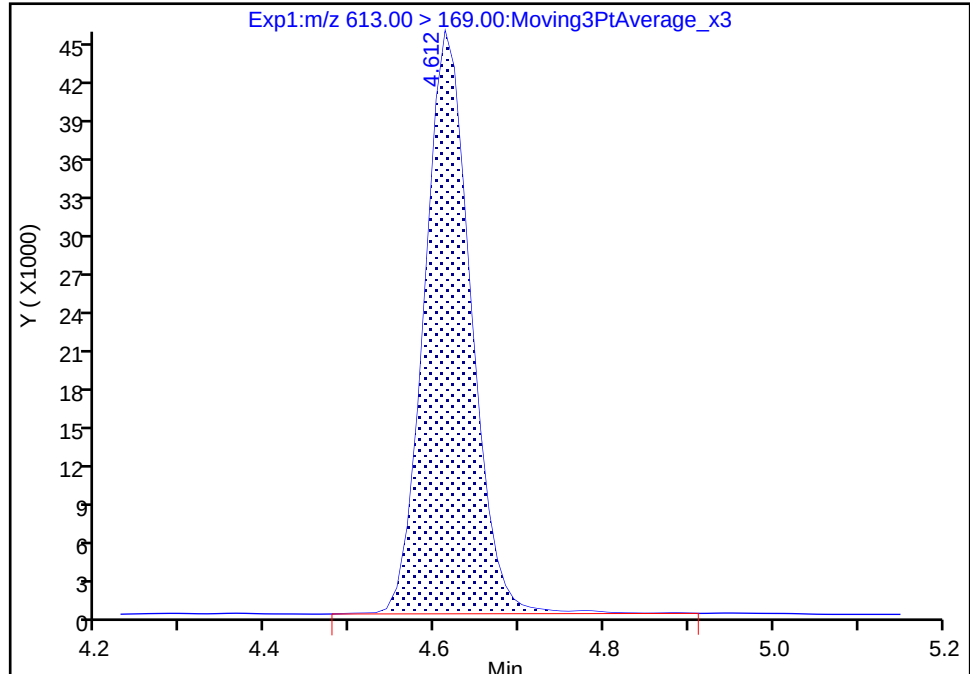
EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

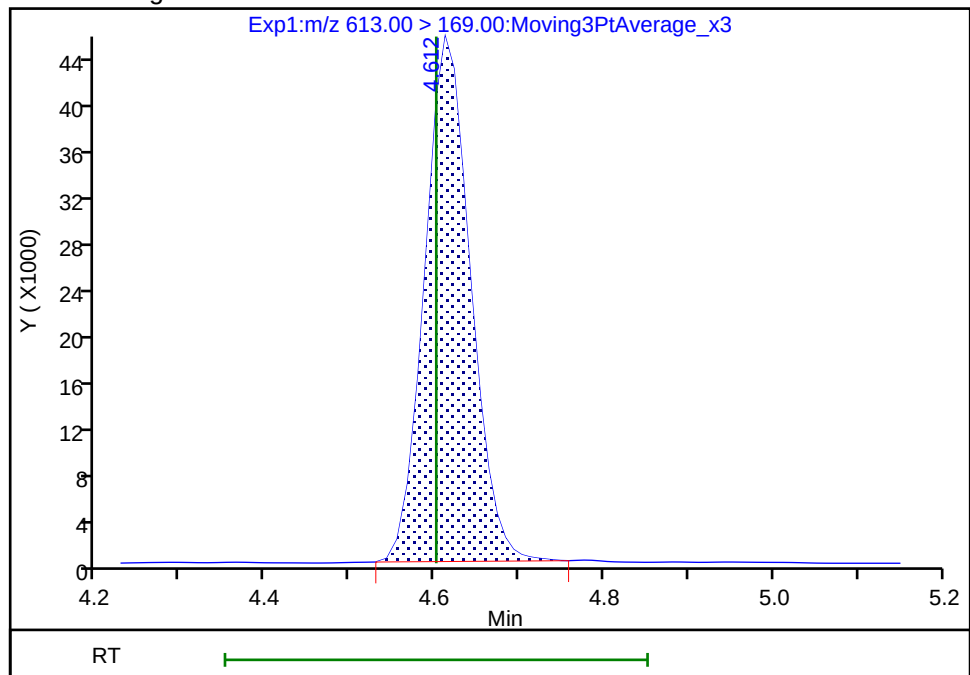
RT: 4.61
Area: 172972
Amount: 1.021474
Amount Units: ng/ml

Processing Integration Results



RT: 4.61
Area: 170598
Amount: 1.027770
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 10:11:28

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B17.d

Injection Date: 11-Aug-2022 20:42:10

Instrument ID: LC812

Lims ID: 460-263422-A-2-B MS

Client ID:

Operator ID: lc812tech

ALS Bottle#:

17

Worklist Smp#: 17

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

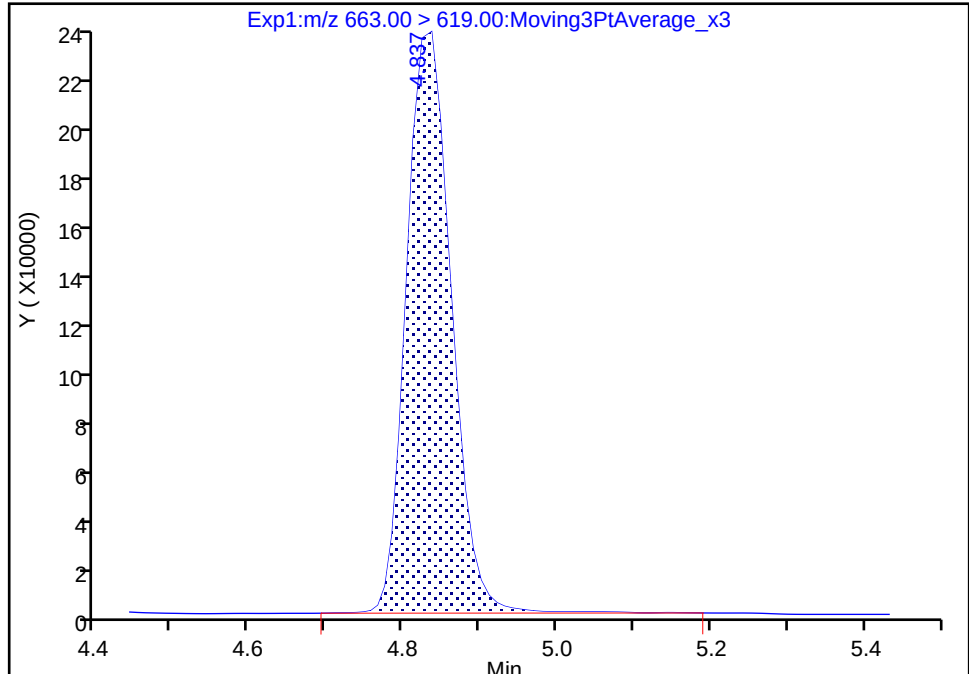
EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

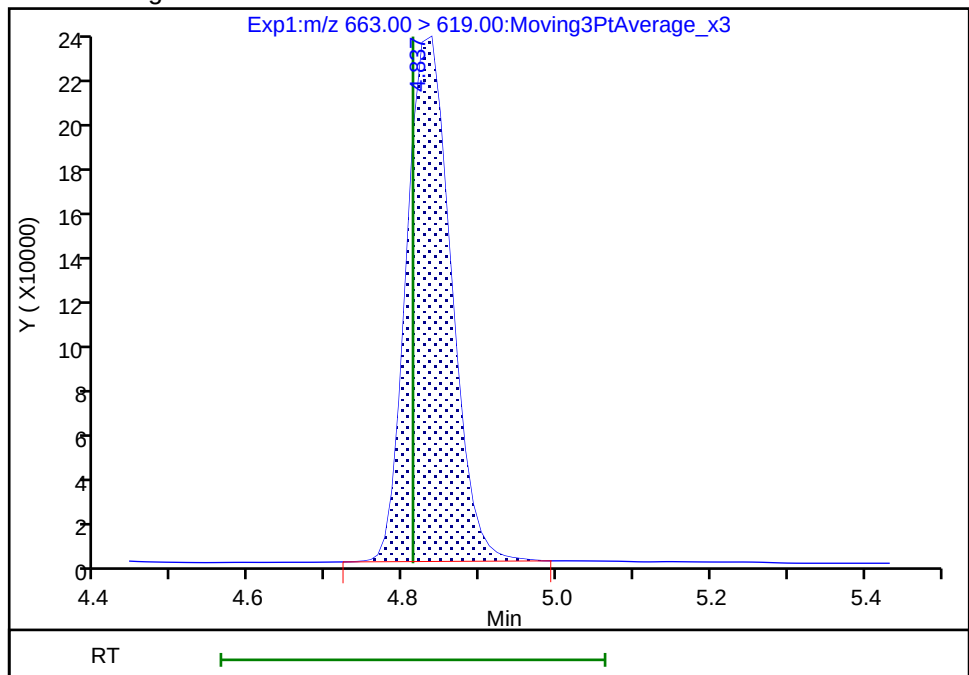
RT: 4.84
Area: 957962
Amount: 0.960712
Amount Units: ng/ml

Processing Integration Results



RT: 4.84
Area: 949354
Amount: 0.957947
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 10:11:49

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

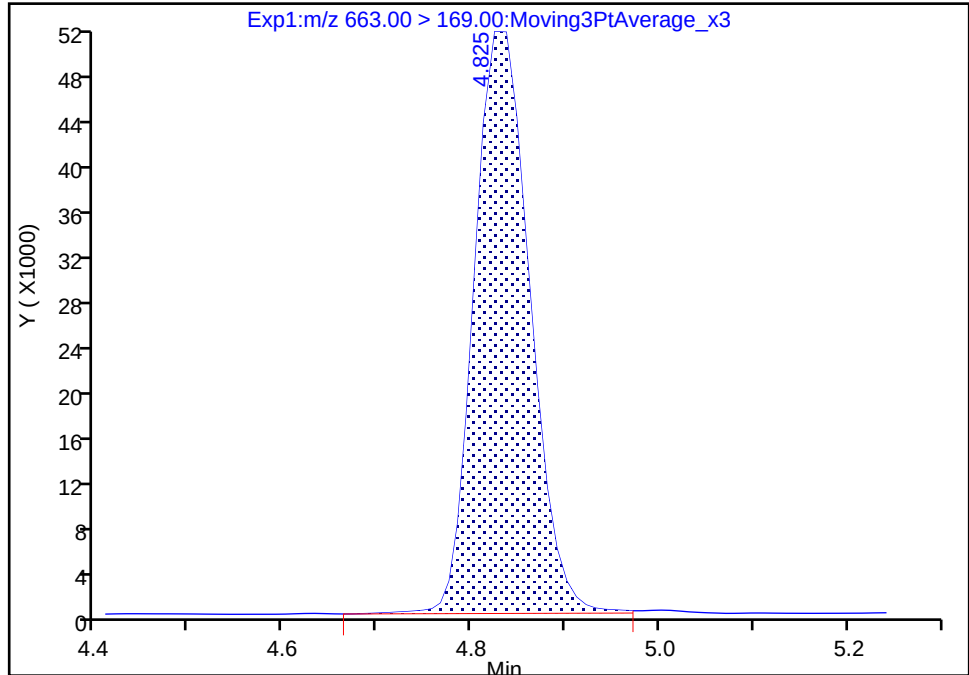
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B17.d
Injection Date: 11-Aug-2022 20:42:10 Instrument ID: LC812
Lims ID: 460-263422-A-2-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

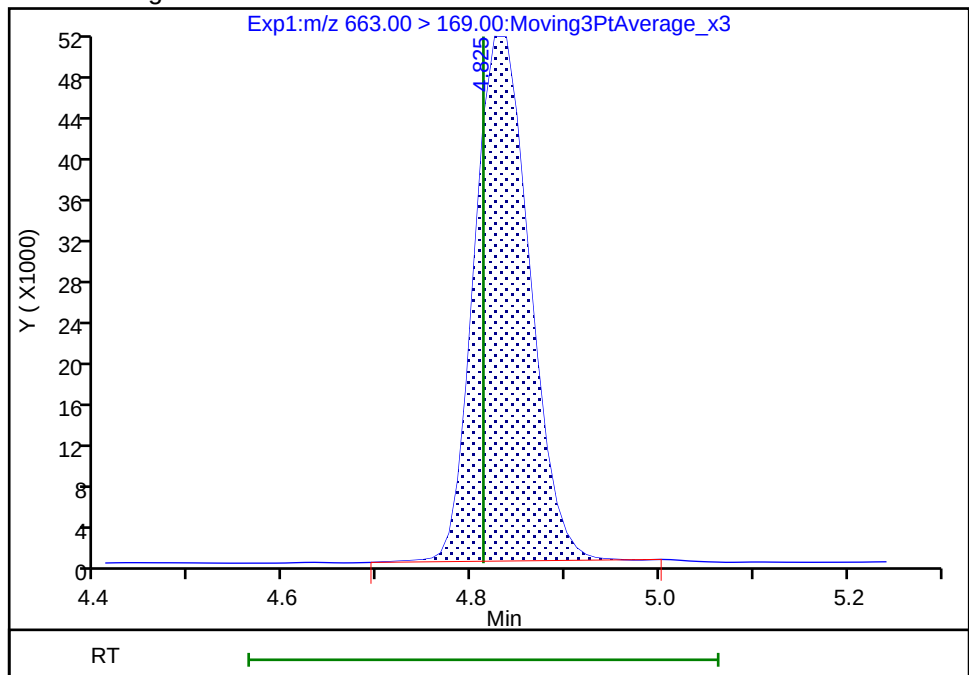
RT: 4.82
Area: 211459
Amount: 0.960712
Amount Units: ng/ml

Processing Integration Results



RT: 4.82
Area: 209166
Amount: 0.957947
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 12:06:42

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B17.d

Injection Date: 11-Aug-2022 20:42:10

Instrument ID: LC812

Lims ID: 460-263422-A-2-B MS

Client ID:

Operator ID: lc812tech

ALS Bottle#:

17

Worklist Smp#: 17

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

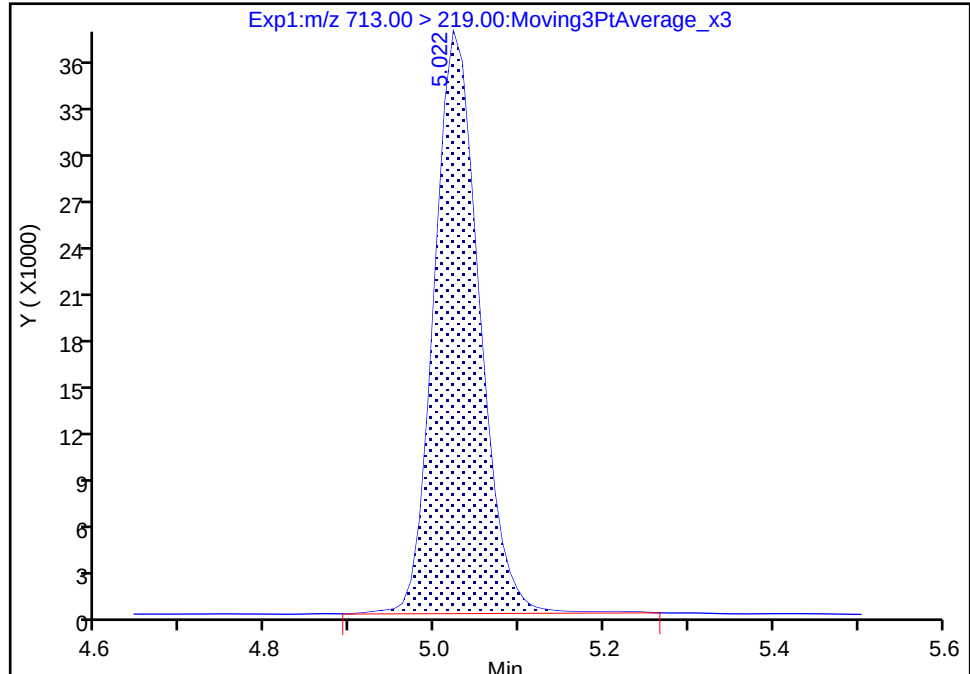
EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

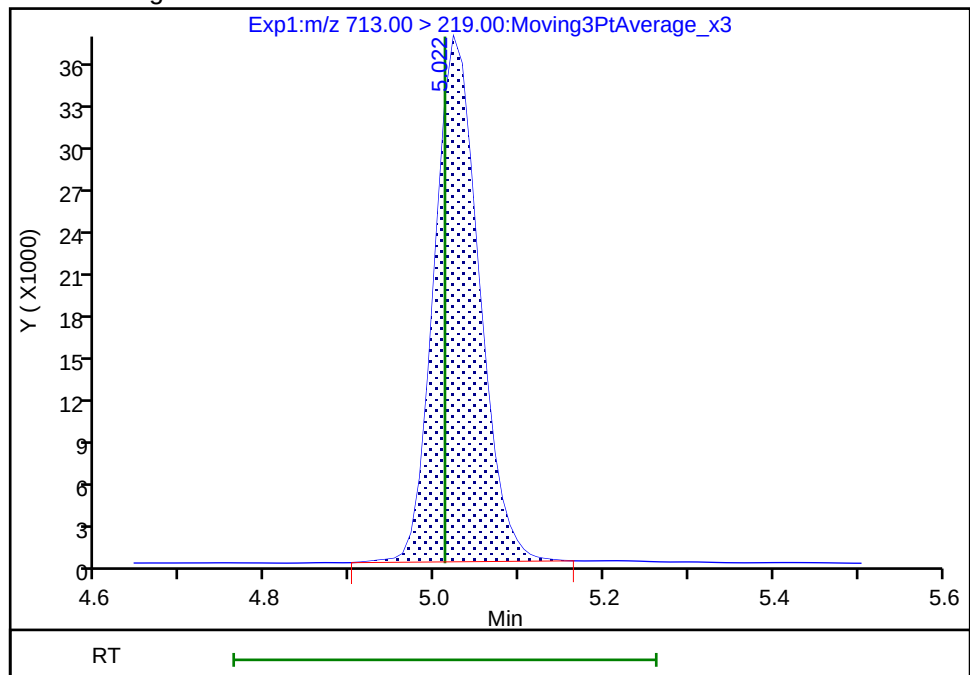
RT: 5.02
Area: 137107
Amount: 0.984507
Amount Units: ng/ml

Processing Integration Results



RT: 5.02
Area: 135786
Amount: 0.979374
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 10:12:05

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B17.d

Injection Date: 11-Aug-2022 20:42:10

Instrument ID: LC812

Lims ID: 460-263422-A-2-B MS

Client ID:

Operator ID: lc812tech

ALS Bottle#:

17

Worklist Smp#: 17

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

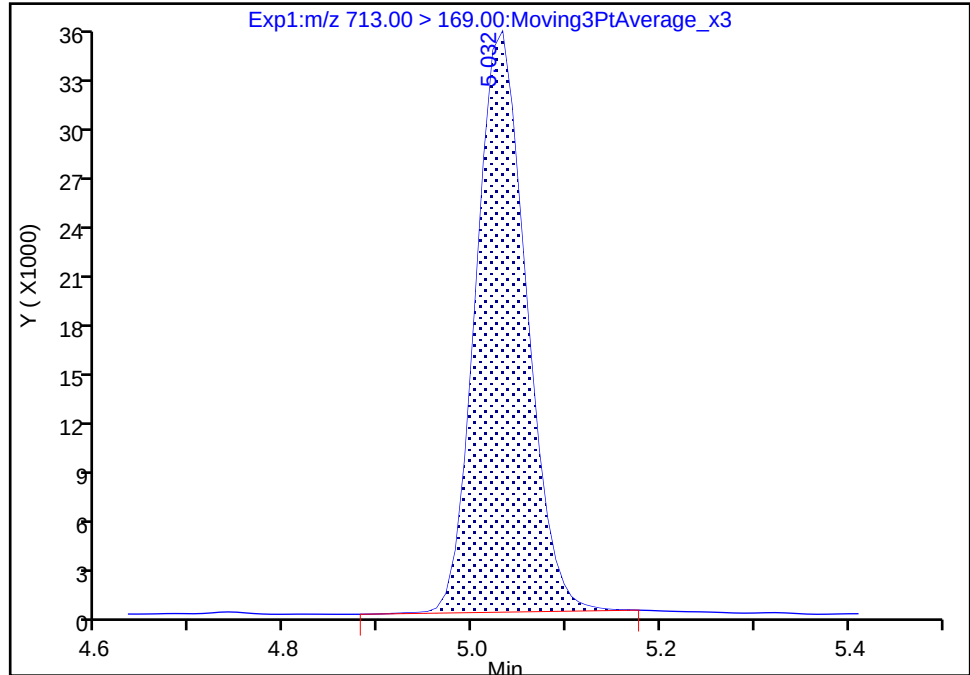
EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

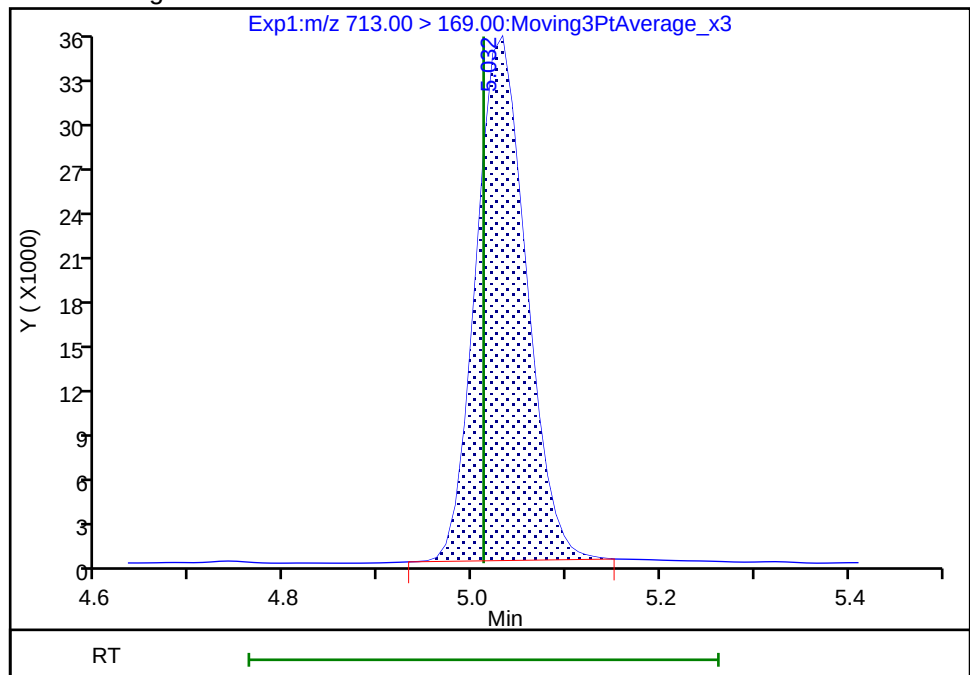
RT: 5.03
Area: 132711
Amount: 0.984507
Amount Units: ng/ml

Processing Integration Results



RT: 5.03
Area: 132019
Amount: 0.979374
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 10:12:09

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B17.d

Injection Date: 11-Aug-2022 20:42:10

Instrument ID: LC812

Lims ID: 460-263422-A-2-B MS

Client ID:

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

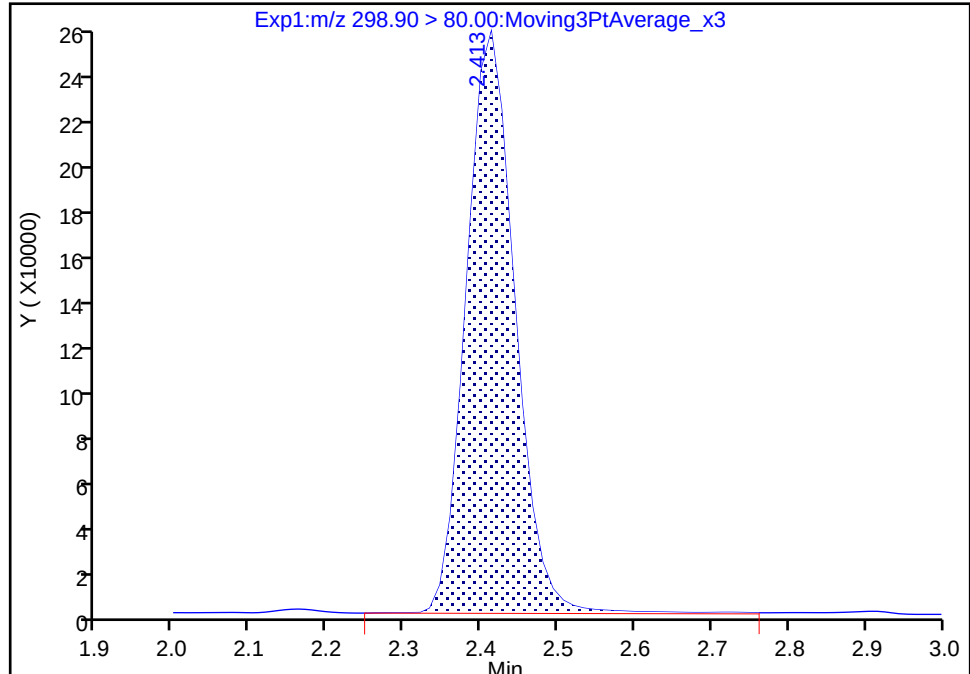
EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

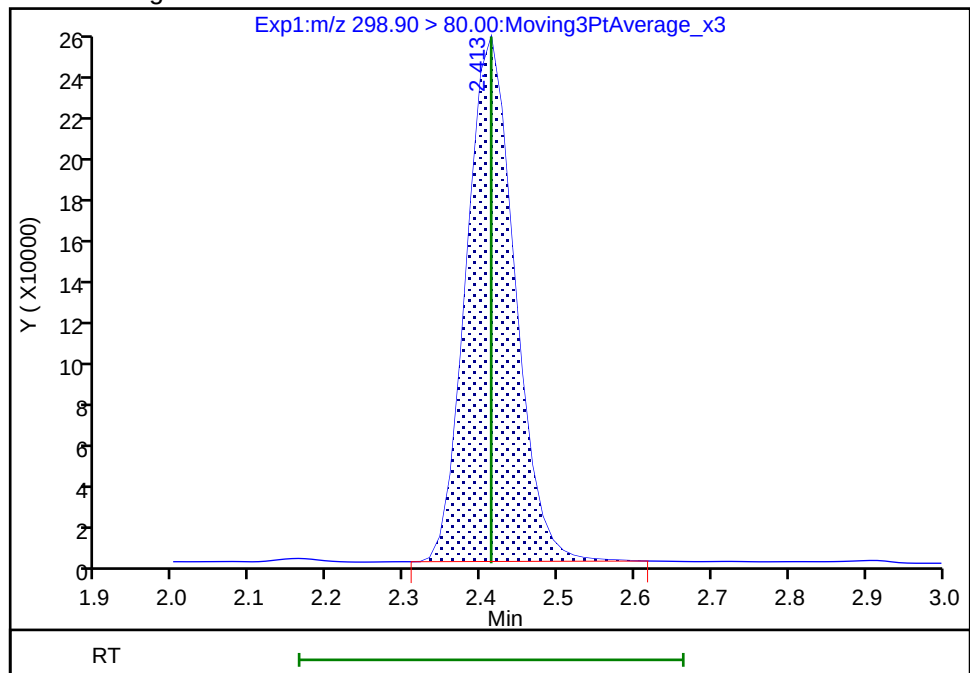
RT: 2.41
Area: 1111174
Amount: 0.904766
Amount Units: ng/ml

Processing Integration Results



RT: 2.41
Area: 1096486
Amount: 0.892806
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 10:06:31

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B17.d

Injection Date: 11-Aug-2022 20:42:10

Instrument ID: LC812

Lims ID: 460-263422-A-2-B MS

Client ID:

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

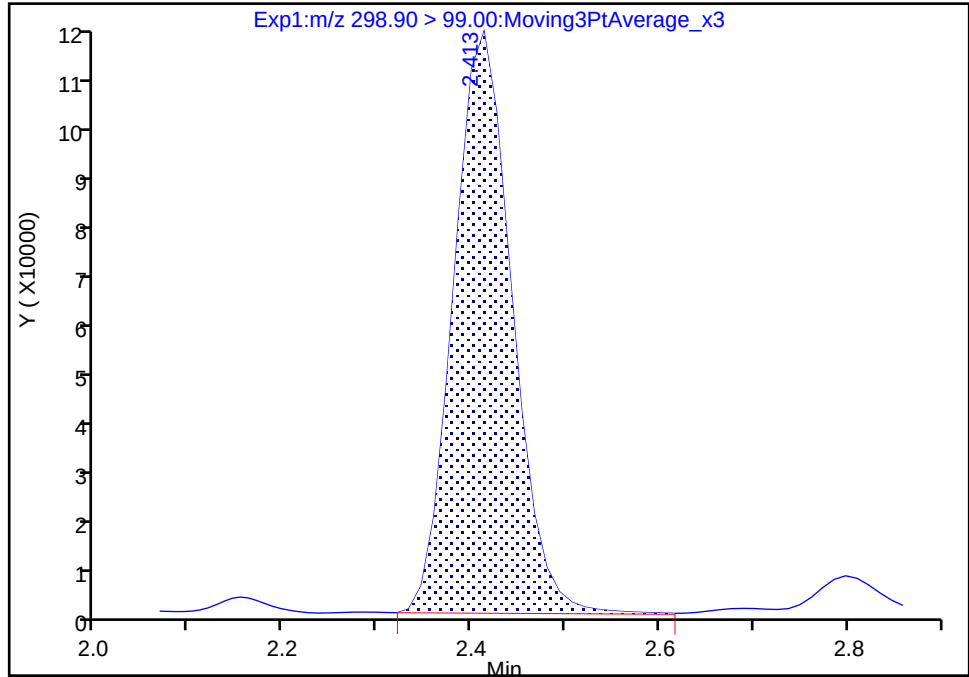
EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

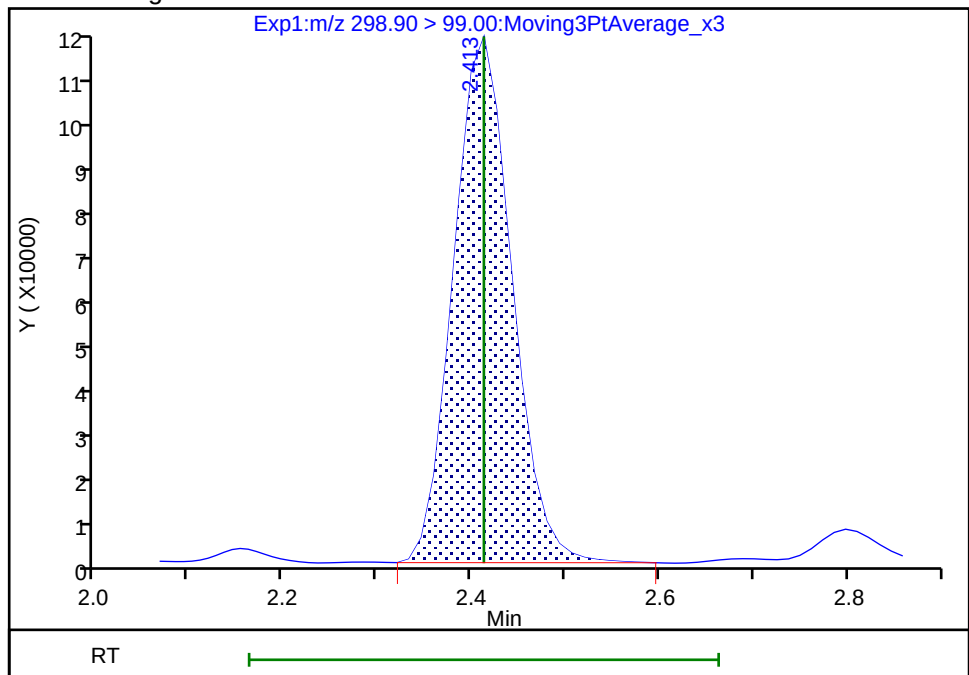
RT: 2.41
Area: 507770
Amount: 0.904766
Amount Units: ng/ml

Processing Integration Results



RT: 2.41
Area: 505238
Amount: 0.892806
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 10:06:38

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B17.d

Injection Date: 11-Aug-2022 20:42:10

Instrument ID: LC812

Lims ID: 460-263422-A-2-B MS

Client ID:

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)

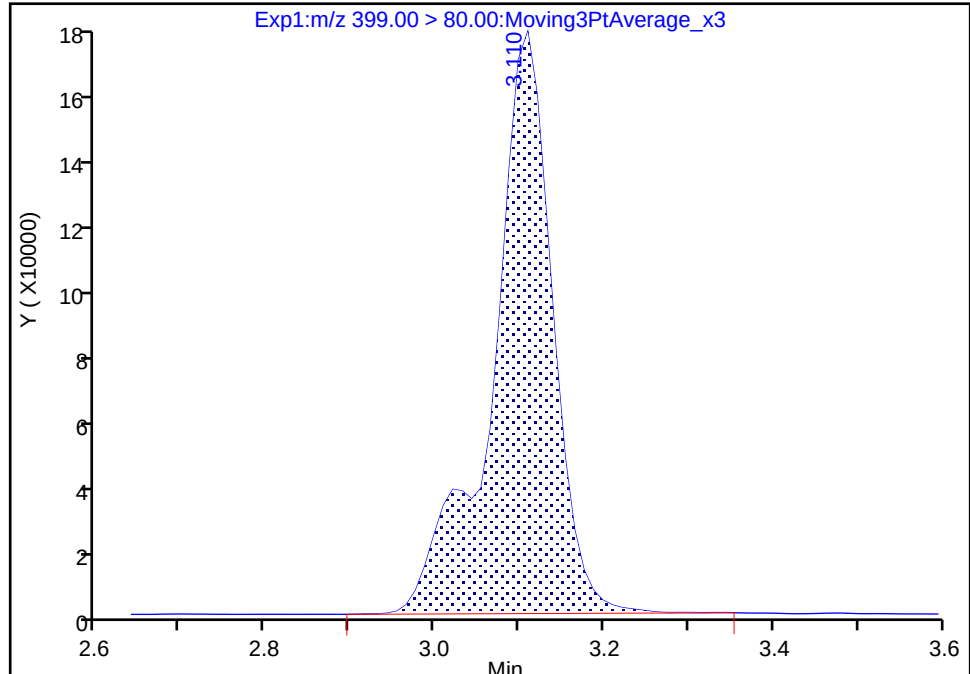
Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

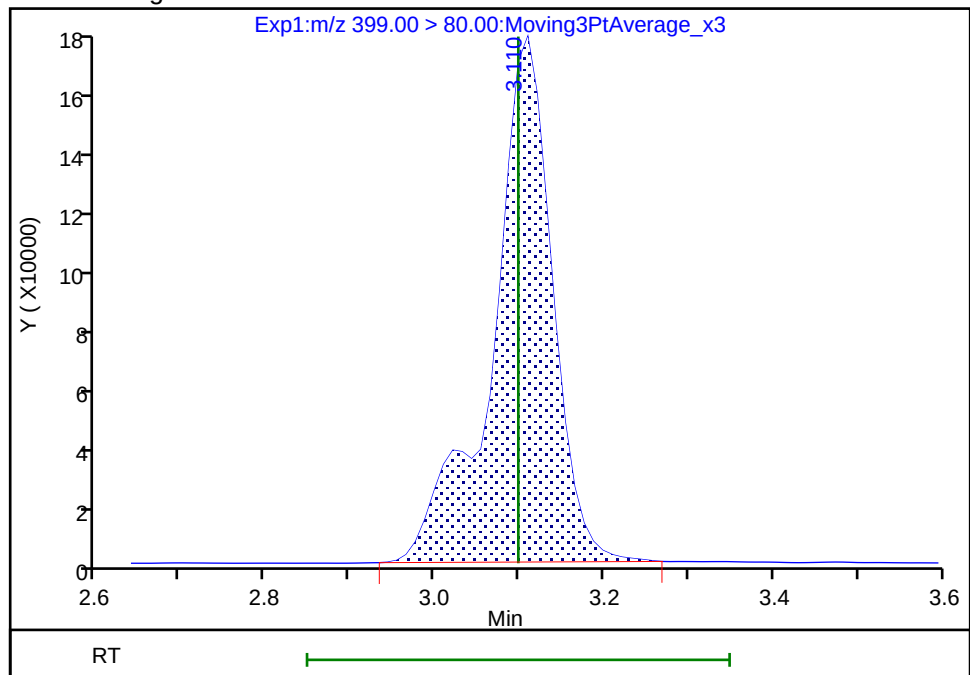
RT: 3.11
Area: 844551
Amount: 0.928541
Amount Units: ng/ml

Processing Integration Results



RT: 3.11
Area: 840607
Amount: 0.924204
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 10:07:26

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

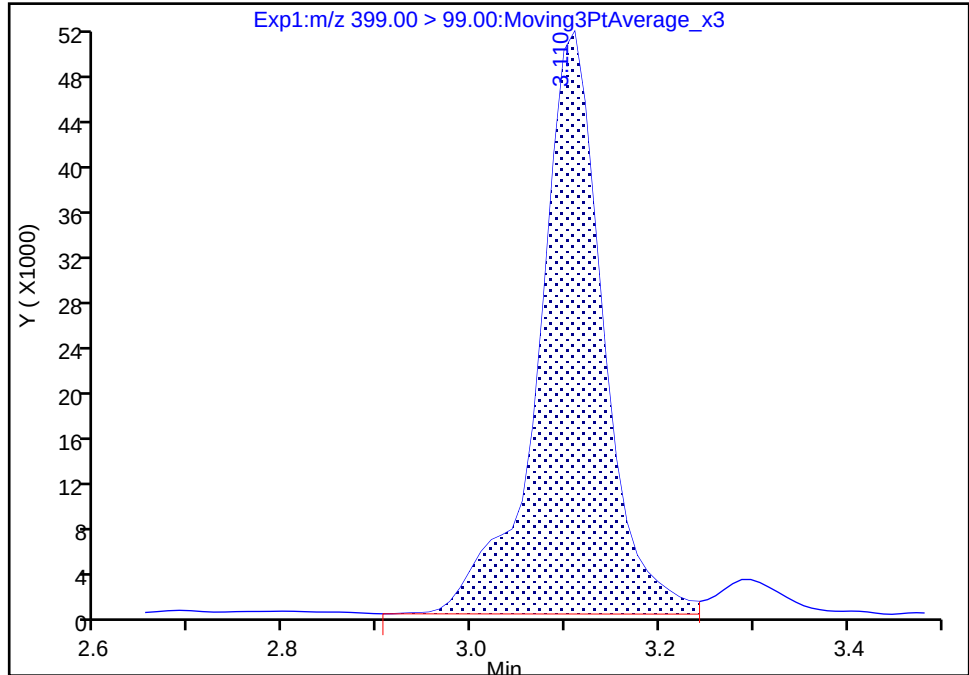
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B17.d
Injection Date: 11-Aug-2022 20:42:10 Instrument ID: LC812
Lims ID: 460-263422-A-2-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

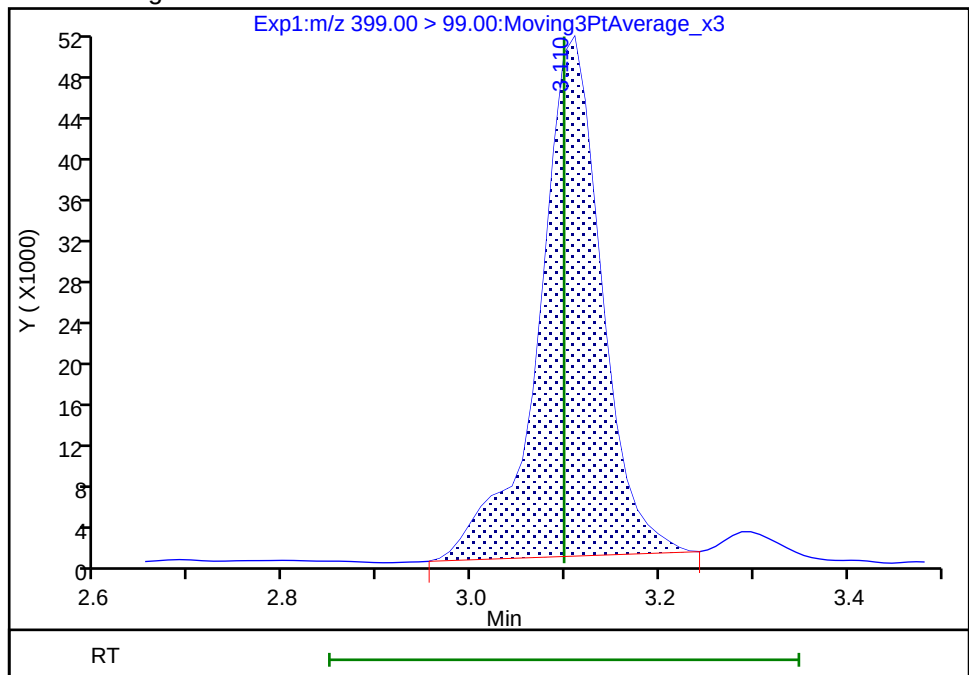
RT: 3.11
Area: 243829
Amount: 0.928541
Amount Units: ng/ml

Processing Integration Results



RT: 3.11
Area: 232989
Amount: 0.924204
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 10:07:30

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B17.d

Injection Date: 11-Aug-2022 20:42:10

Instrument ID: LC812

Lims ID: 460-263422-A-2-B MS

Client ID:

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)

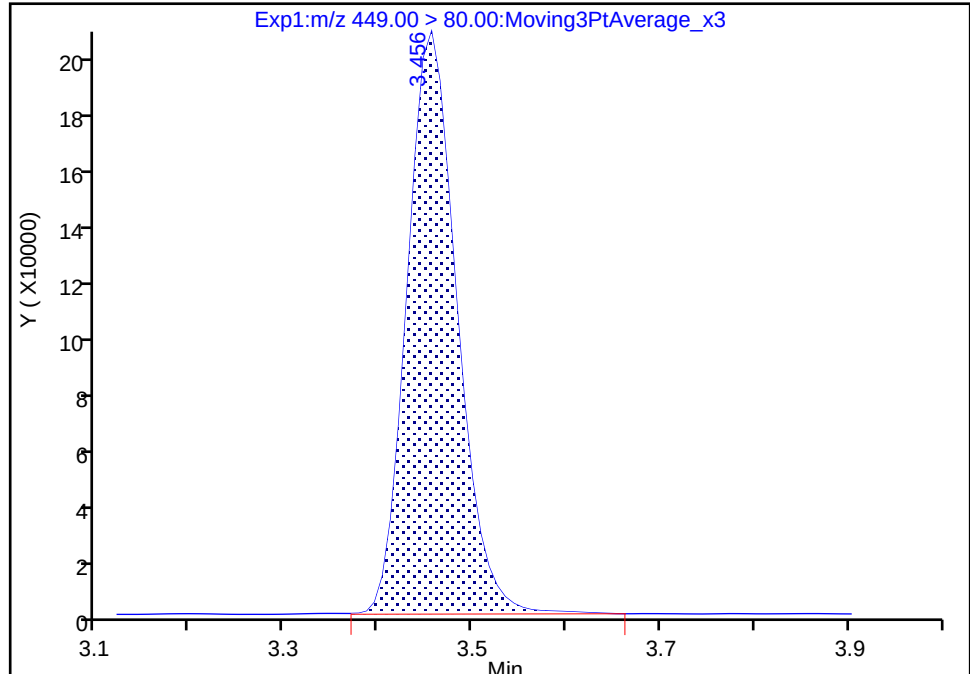
Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

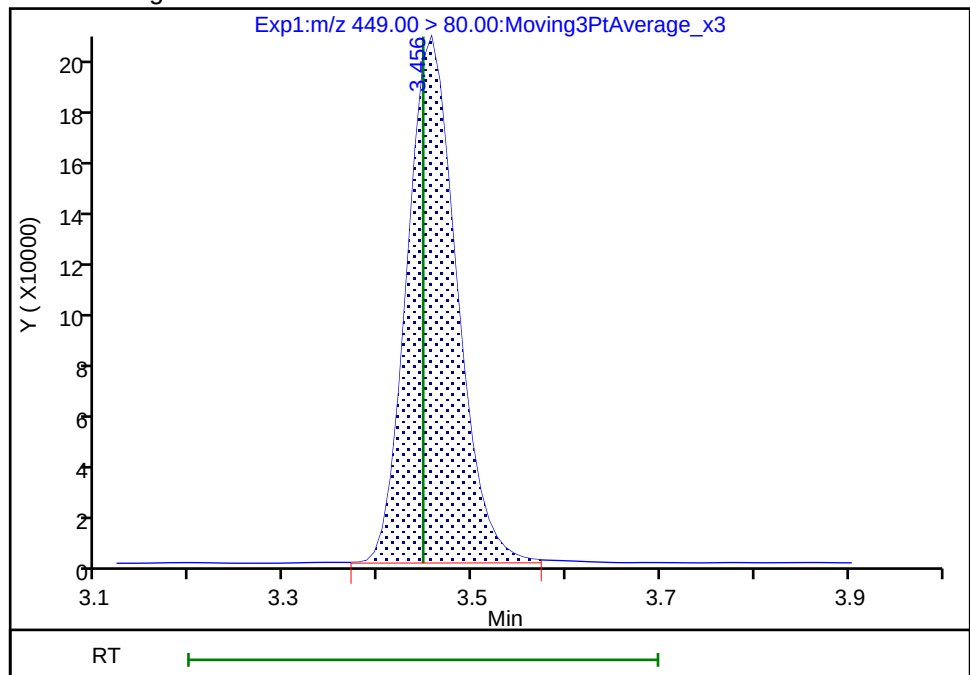
RT: 3.46
Area: 739057
Amount: 1.026434
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 736362
Amount: 1.022691
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 10:08:17

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B17.d

Injection Date: 11-Aug-2022 20:42:10

Instrument ID: LC812

Lims ID: 460-263422-A-2-B MS

Client ID:

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

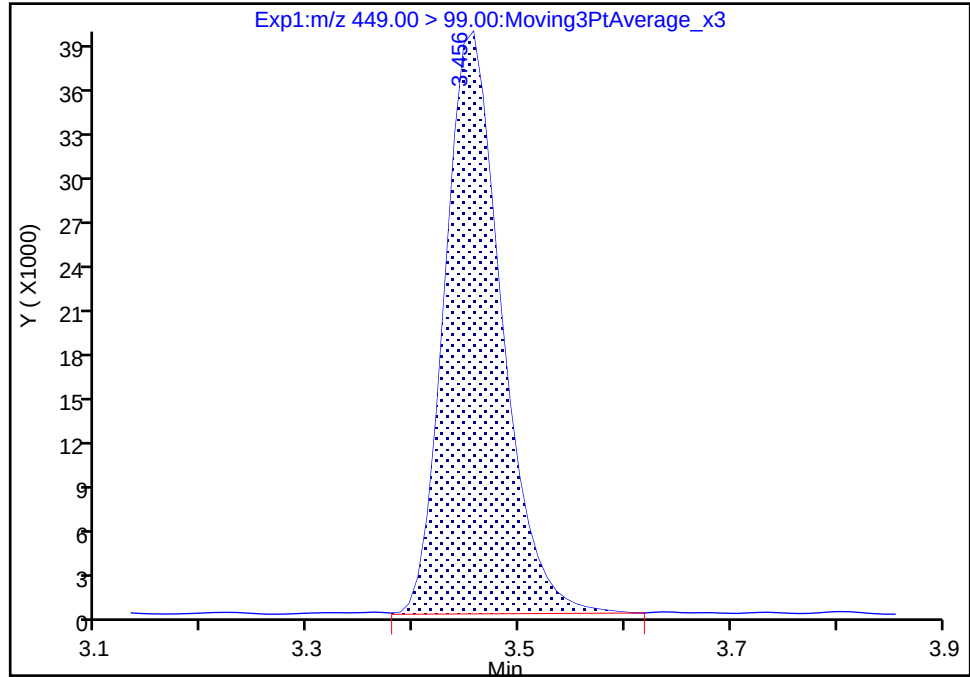
EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

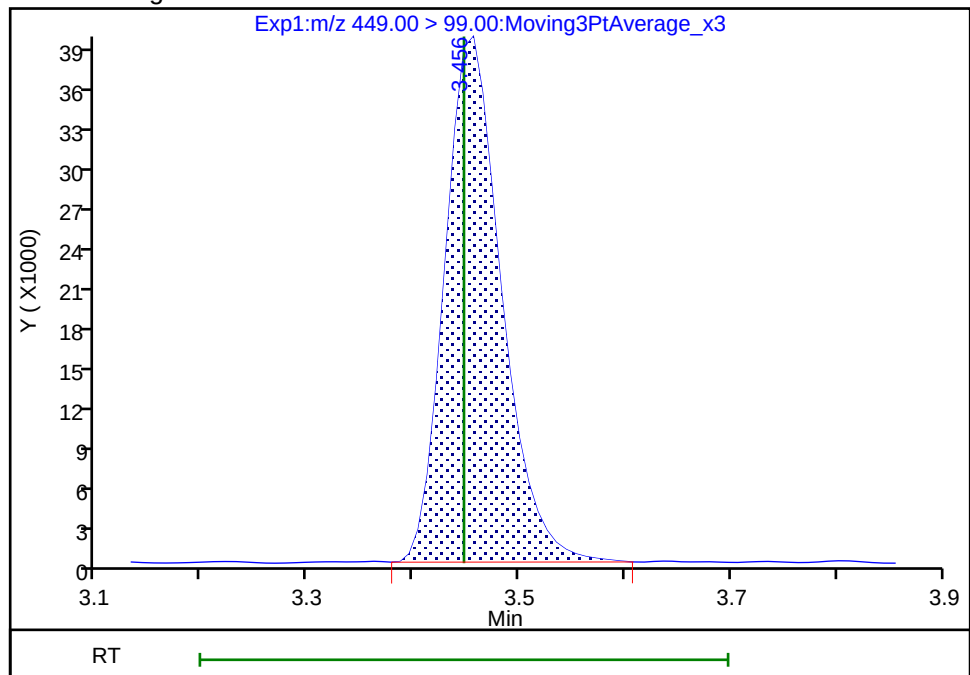
RT: 3.46
Area: 145990
Amount: 1.026434
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 145348
Amount: 1.022691
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 10:08:26

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B17.d

Injection Date: 11-Aug-2022 20:42:10

Instrument ID: LC812

Lims ID: 460-263422-A-2-B MS

Client ID:

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

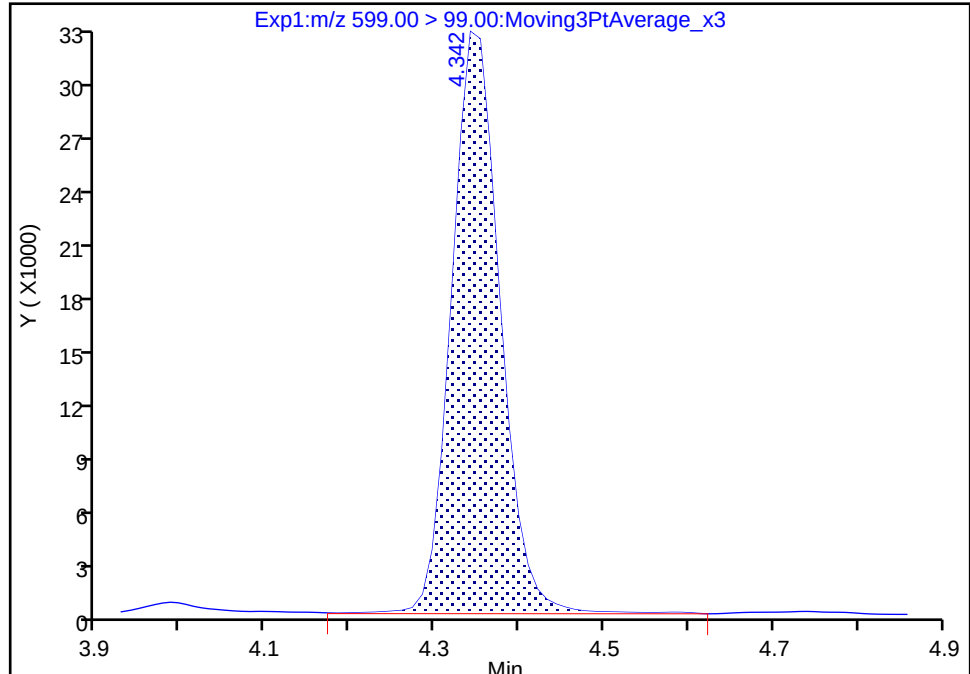
EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

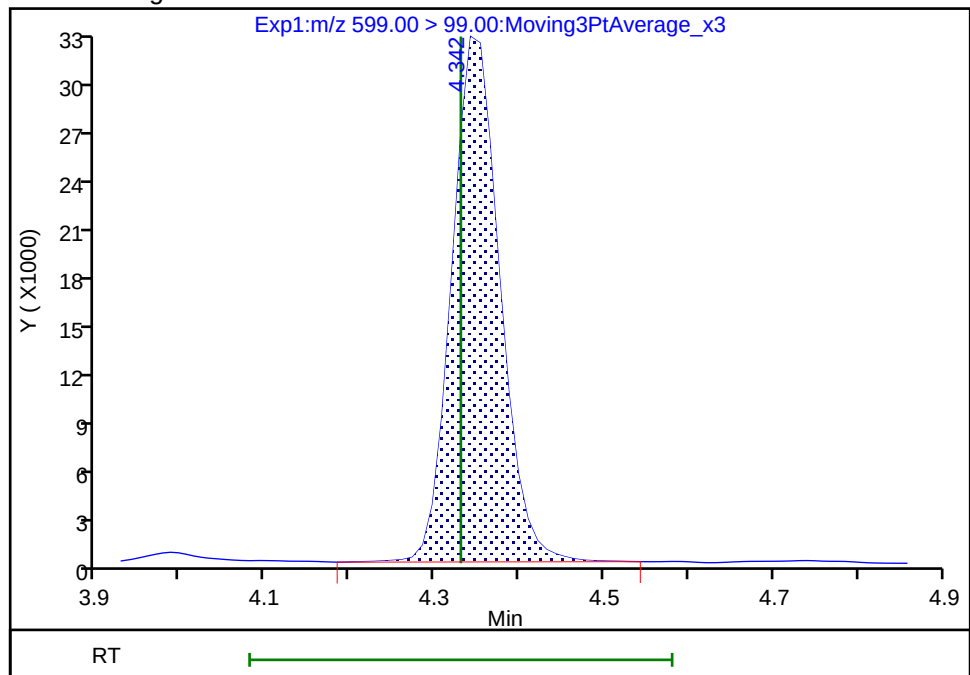
RT: 4.34
Area: 129552
Amount: 1.000455
Amount Units: ng/ml

Processing Integration Results



RT: 4.34
Area: 128312
Amount: 1.000455
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 10:10:53

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B17.d

Injection Date: 11-Aug-2022 20:42:10

Instrument ID: LC812

Lims ID: 460-263422-A-2-B MS

Client ID:

Operator ID: lc812tech

ALS Bottle#:

17

Worklist Smp#: 17

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

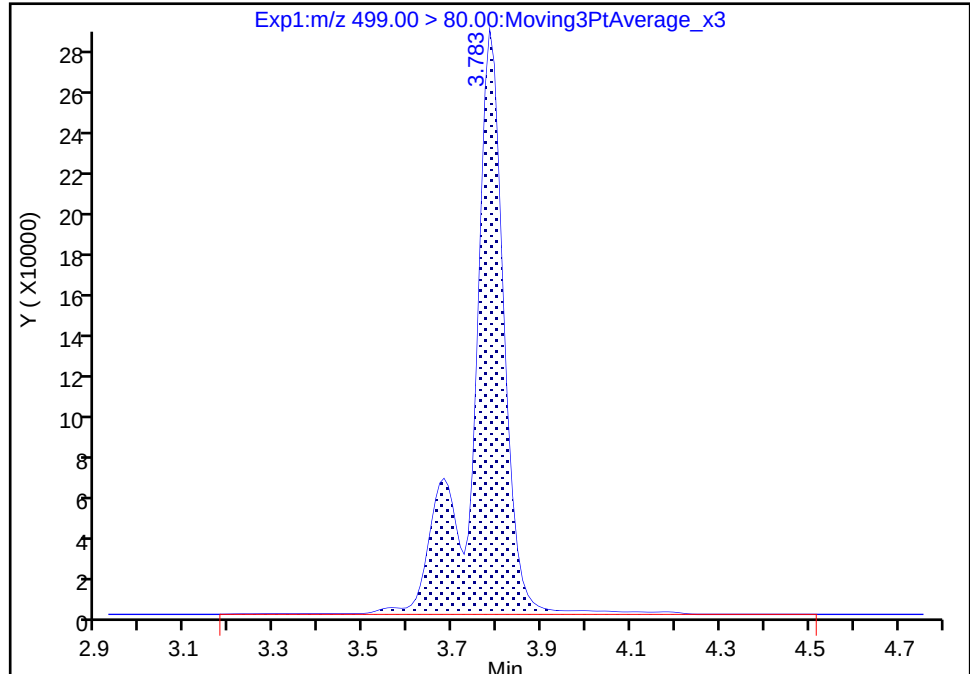
EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

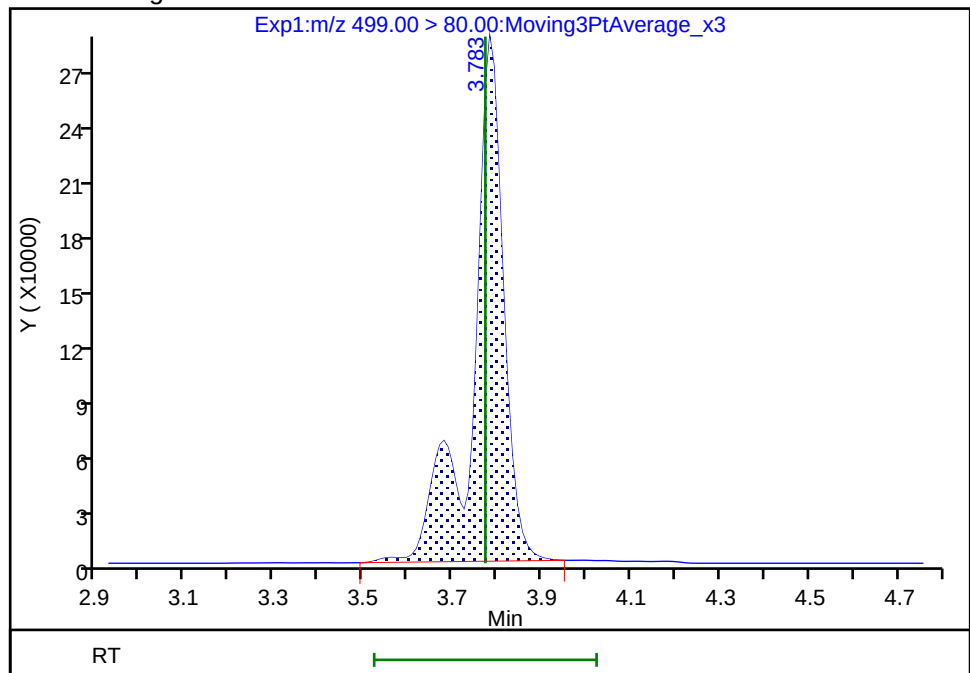
RT: 3.78
Area: 1405563
Amount: 2.406610
Amount Units: ng/ml

Processing Integration Results



RT: 3.78
Area: 1357177
Amount: 2.323127
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 10:09:07

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

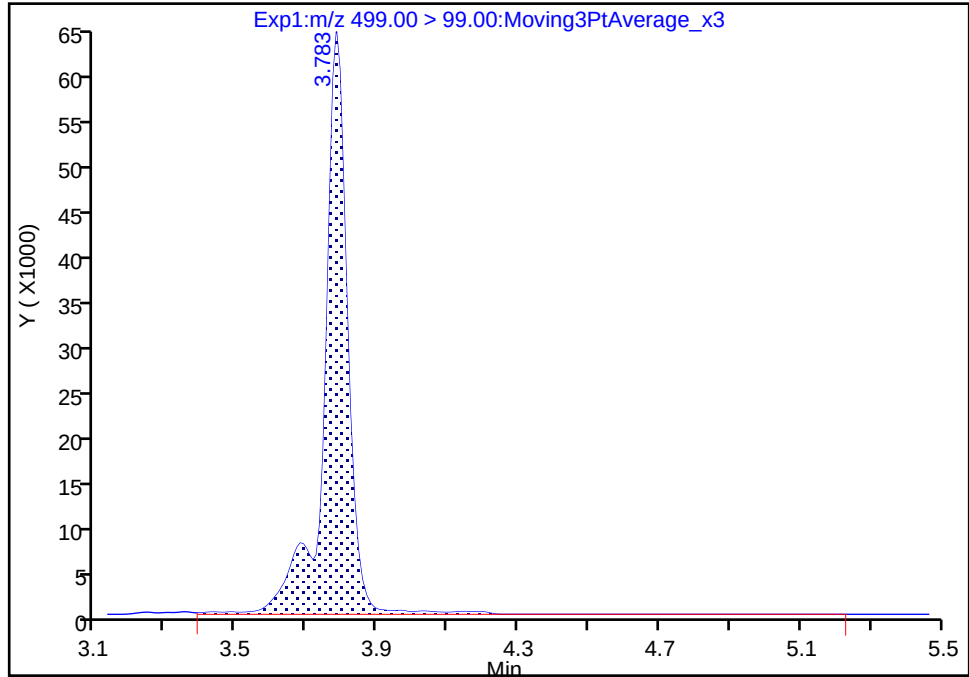
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B17.d
Injection Date: 11-Aug-2022 20:42:10 Instrument ID: LC812
Lims ID: 460-263422-A-2-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

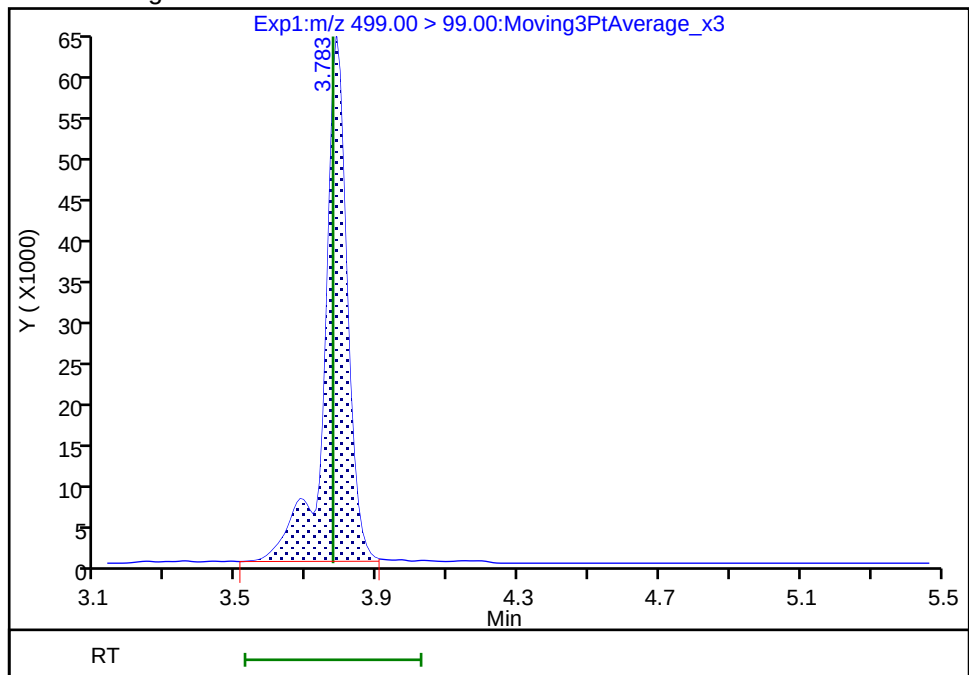
RT: 3.78
Area: 300177
Amount: 2.406610
Amount Units: ng/ml

Processing Integration Results



RT: 3.78
Area: 287637
Amount: 2.323127
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 12:06:00

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B17.d

Injection Date: 11-Aug-2022 20:42:10

Instrument ID: LC812

Lims ID: 460-263422-A-2-B MS

Client ID:

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)

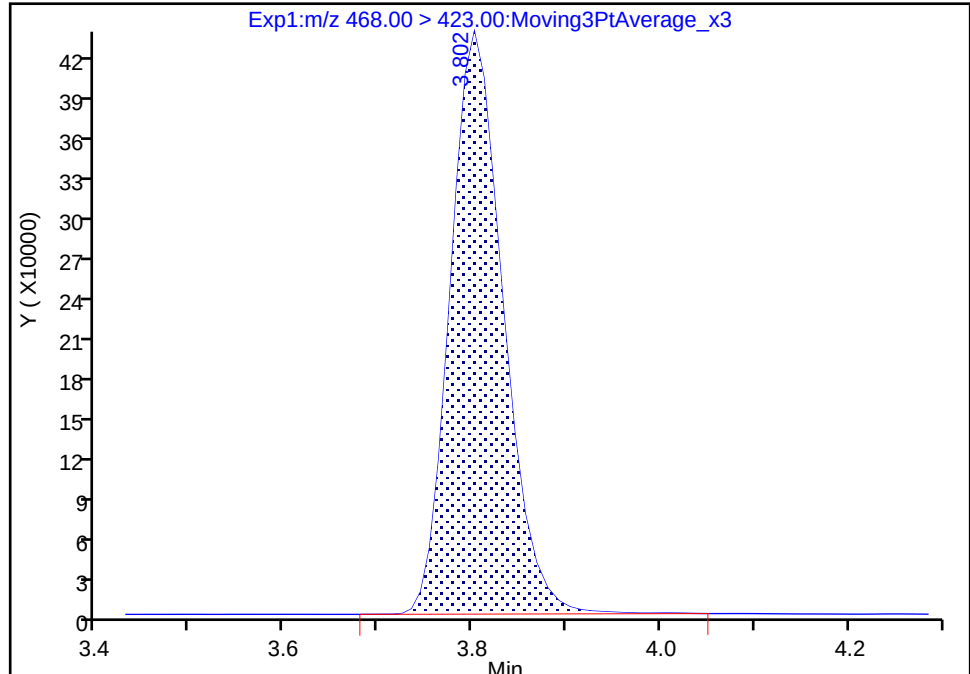
Detector: EXP1

D 19 13C5 PFNA, CAS: STL00995

Signal: 1

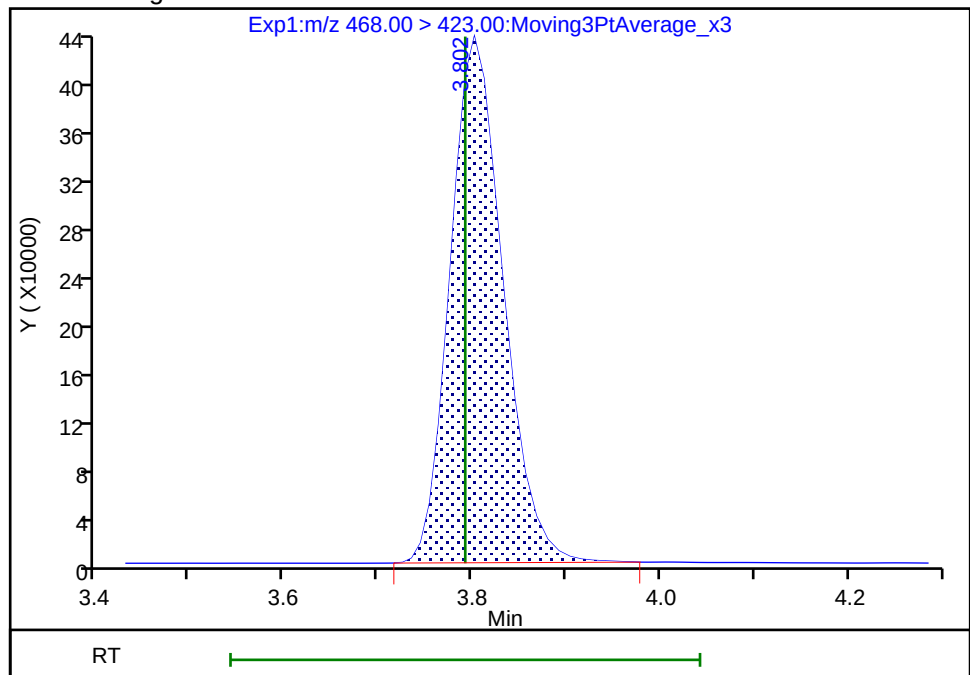
RT: 3.80
Area: 1683667
Amount: 1.100441
Amount Units: ng/ml

Processing Integration Results



RT: 3.80
Area: 1678230
Amount: 1.099434
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 10:00:19

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B17.d

Injection Date: 11-Aug-2022 20:42:10

Instrument ID: LC812

Lims ID: 460-263422-A-2-B MS

Client ID:

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)

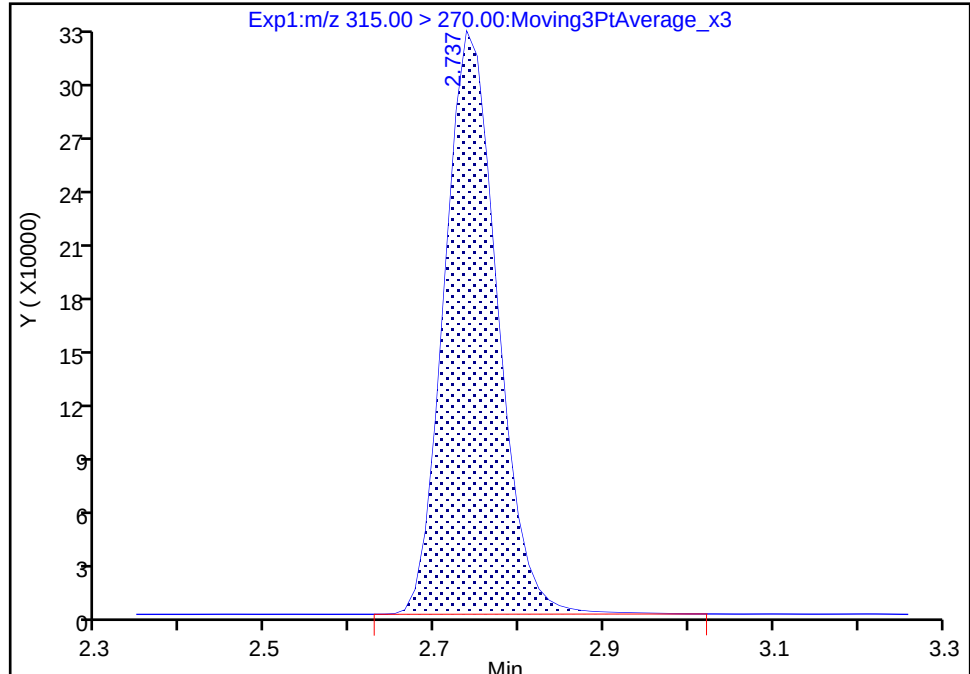
Detector: EXP1

D 7 13C2 PFHxA, CAS: STL00993

Signal: 1

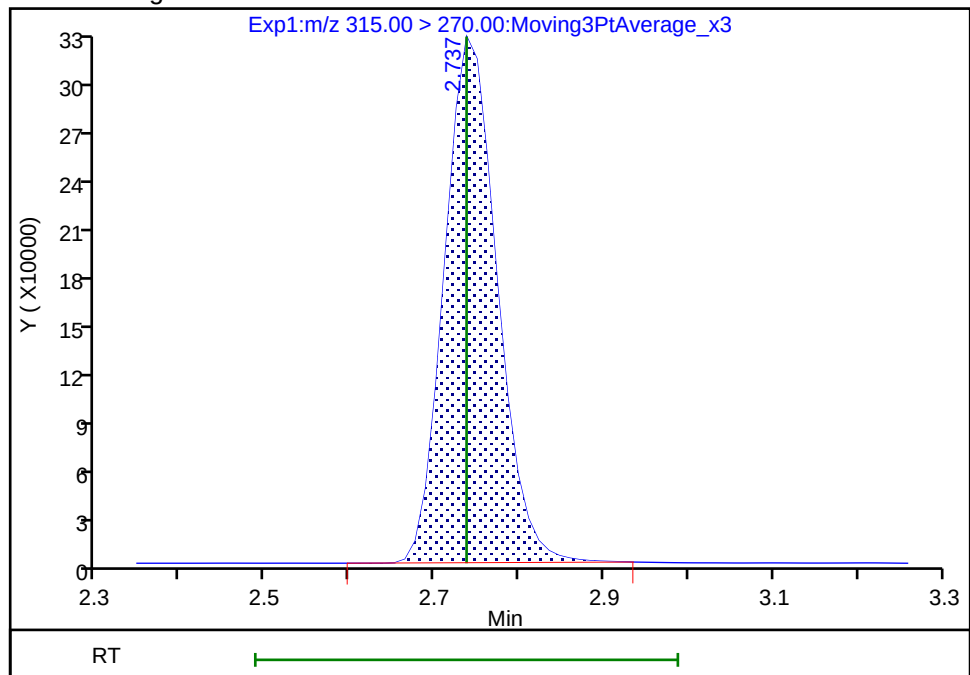
RT: 2.74
Area: 1391738
Amount: 1.006049
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 1384957
Amount: 1.001147
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 12:05:19

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B17.d

Injection Date: 11-Aug-2022 20:42:10

Instrument ID: LC812

Lims ID: 460-263422-A-2-B MS

Client ID:

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)

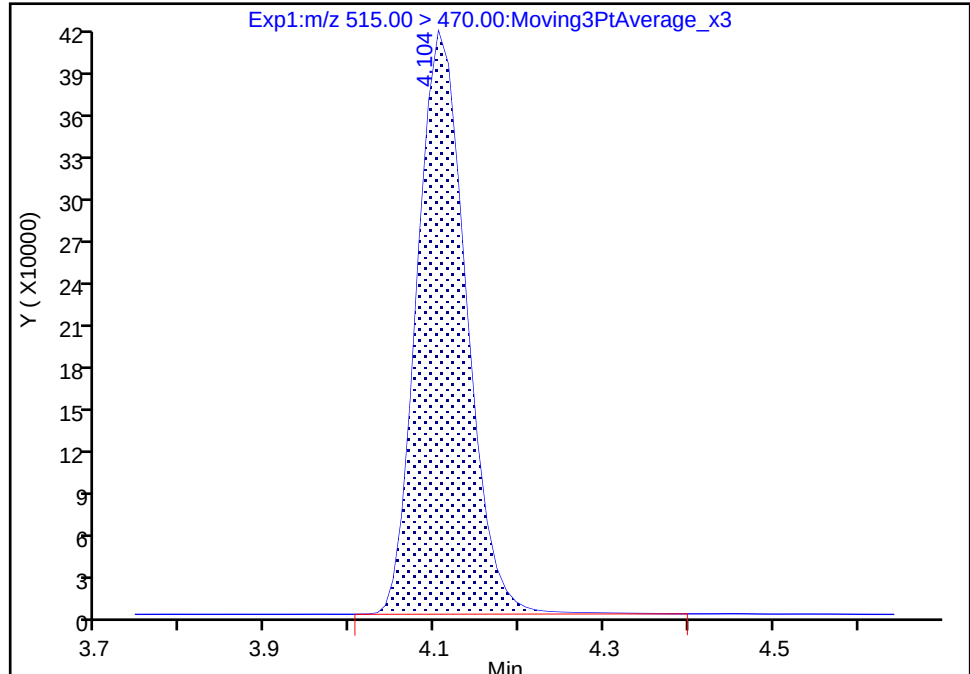
Detector: EXP1

D 23 13C2 PFDA, CAS: STL00996

Signal: 1

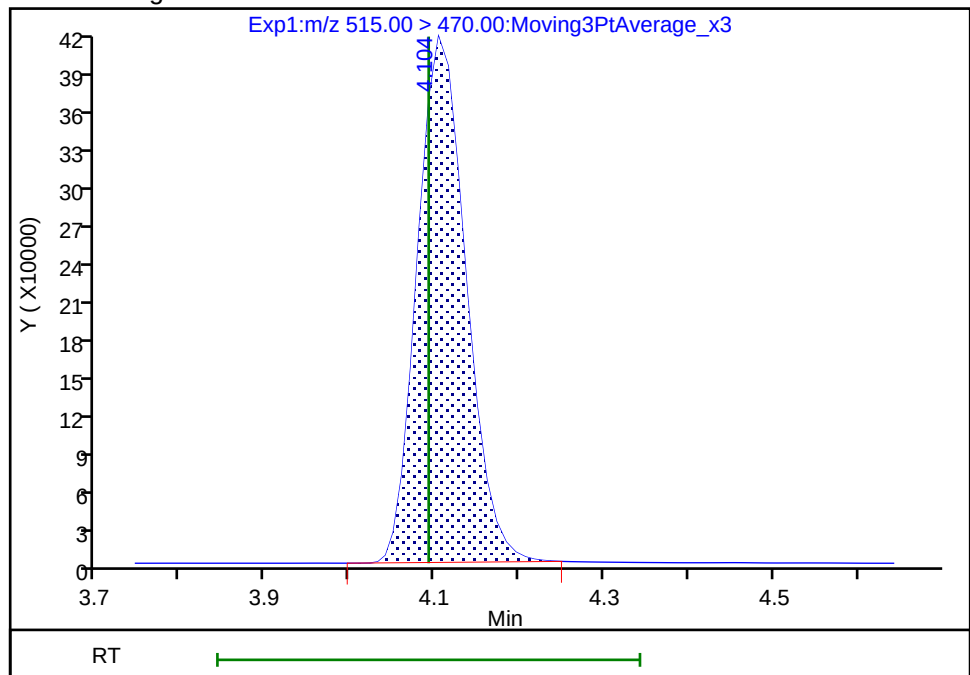
RT: 4.10
Area: 1654930
Amount: 1.113986
Amount Units: ng/ml

Processing Integration Results



RT: 4.10
Area: 1641876
Amount: 1.105199
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 12:06:09

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B17.d

Injection Date: 11-Aug-2022 20:42:10

Instrument ID: LC812

Lims ID: 460-263422-A-2-B MS

Client ID:

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)

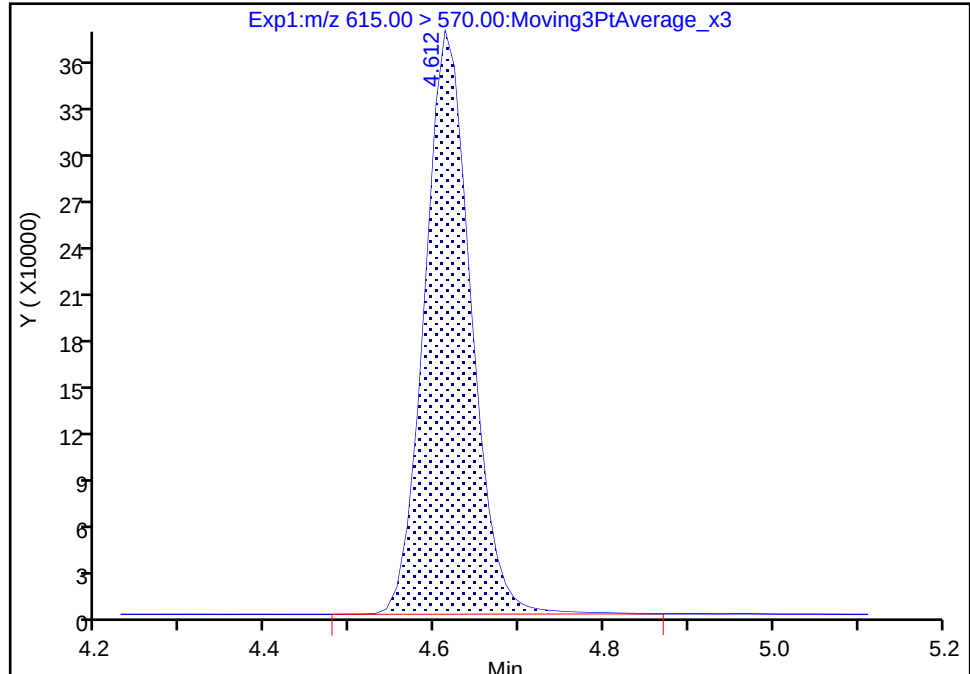
Detector: EXP1

D 36 13C2 PFD_oA, CAS: STL00998

Signal: 1

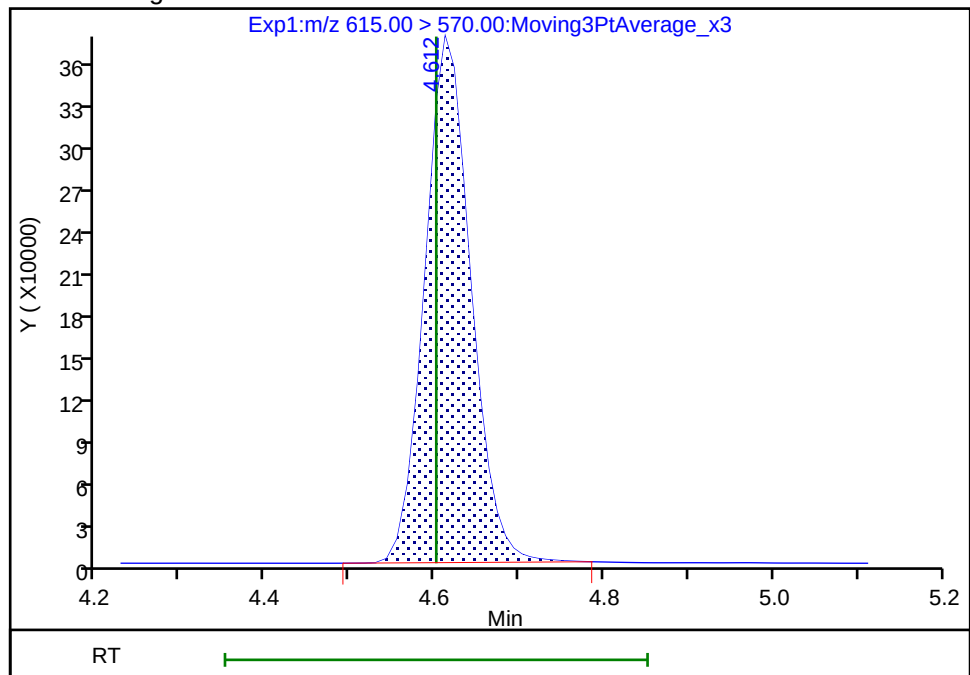
RT: 4.61
Area: 1417812
Amount: 1.215553
Amount Units: ng/ml

Processing Integration Results



RT: 4.61
Area: 1409127
Amount: 1.208106
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 12:06:35

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B17.d

Injection Date: 11-Aug-2022 20:42:10

Instrument ID: LC812

Lims ID: 460-263422-A-2-B MS

Client ID:

Operator ID: lc812tech

ALS Bottle#:

17

Worklist Smp#: 17

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

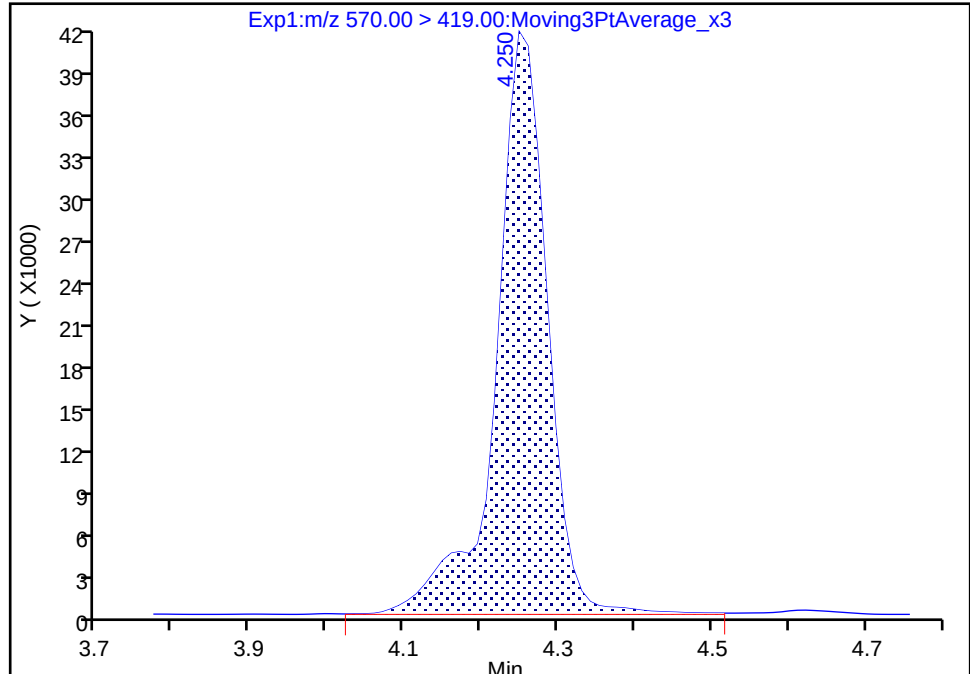
Detector: EXP1

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

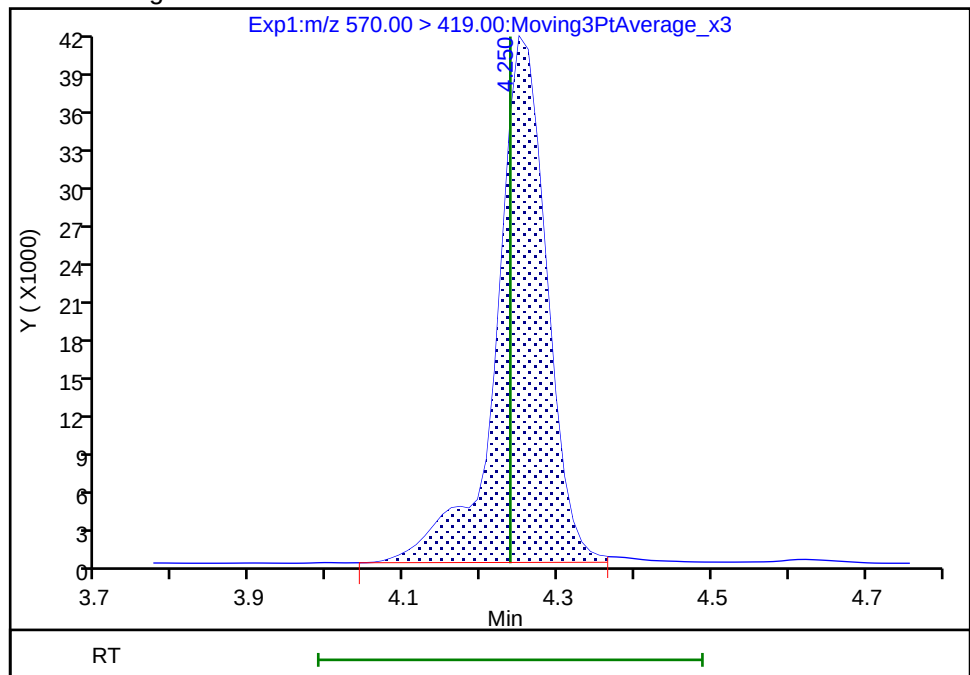
RT: 4.25
Area: 190732
Amount: 1.067055
Amount Units: ng/ml

Processing Integration Results



RT: 4.25
Area: 187495
Amount: 1.048945
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 10:10:43

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B17.d

Injection Date: 11-Aug-2022 20:42:10

Instrument ID: LC812

Lims ID: 460-263422-A-2-B MS

Client ID:

Operator ID: lc812tech

ALS Bottle#: 17

Worklist Smp#: 17

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

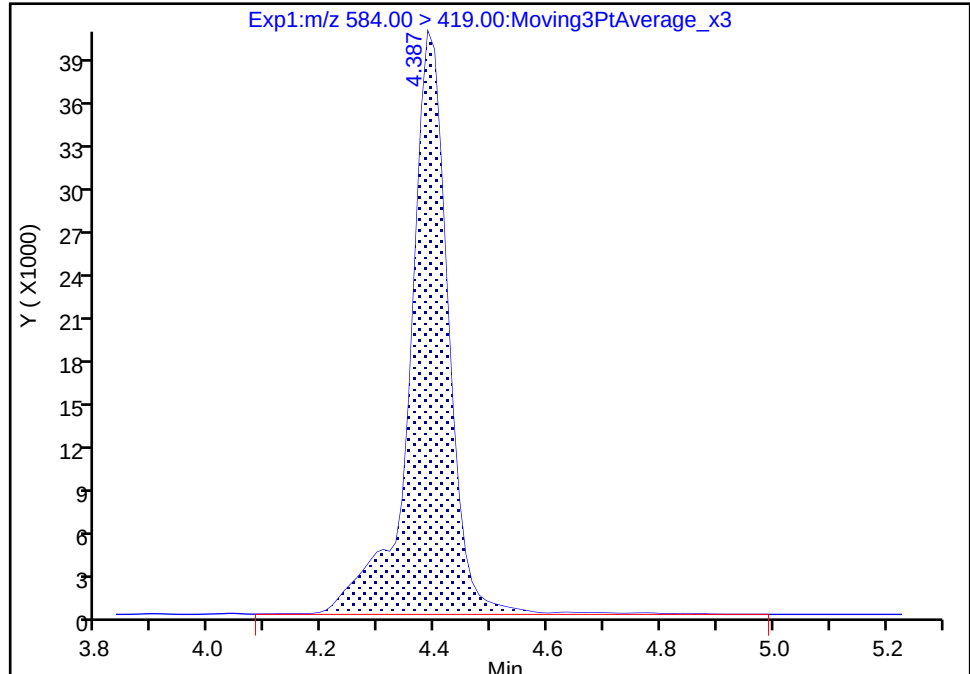
Detector: EXP1

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

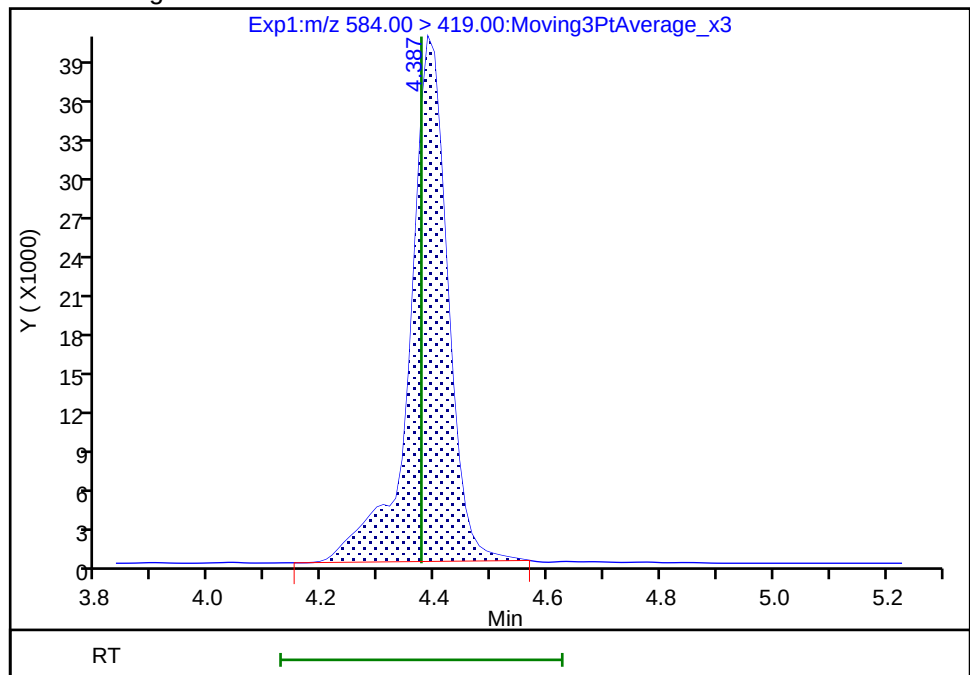
RT: 4.39
Area: 194743
Amount: 0.982460
Amount Units: ng/ml

Processing Integration Results



RT: 4.39
Area: 189879
Amount: 0.957921
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 12:06:29

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

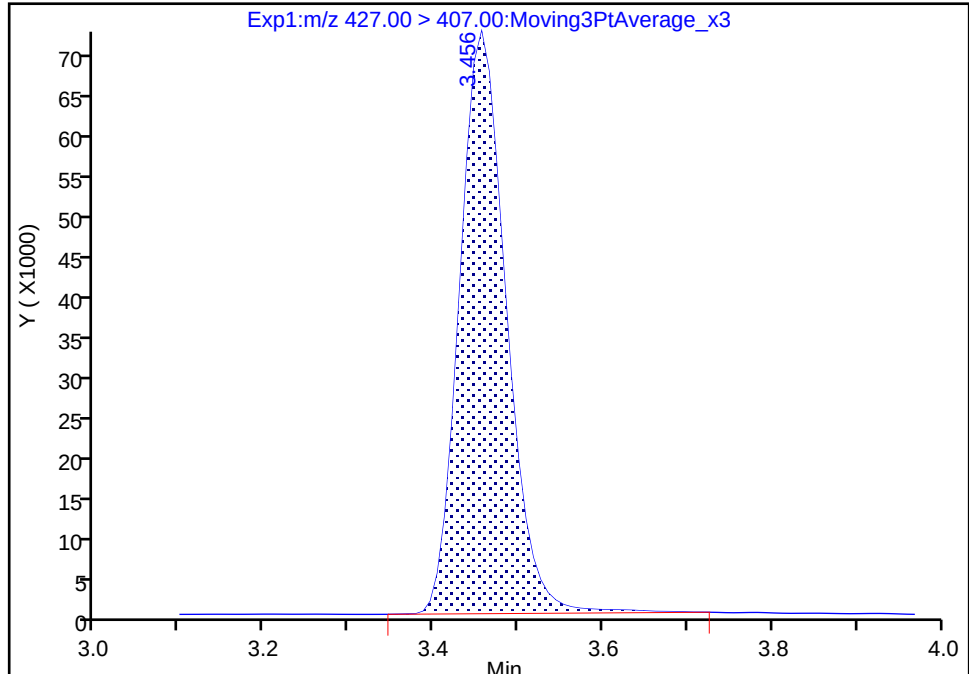
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B17.d
Injection Date: 11-Aug-2022 20:42:10 Instrument ID: LC812
Lims ID: 460-263422-A-2-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

13 1H,1H,2H,2H-perfluorooctanesulfo, CAS: 27619-97-2

Signal: 1

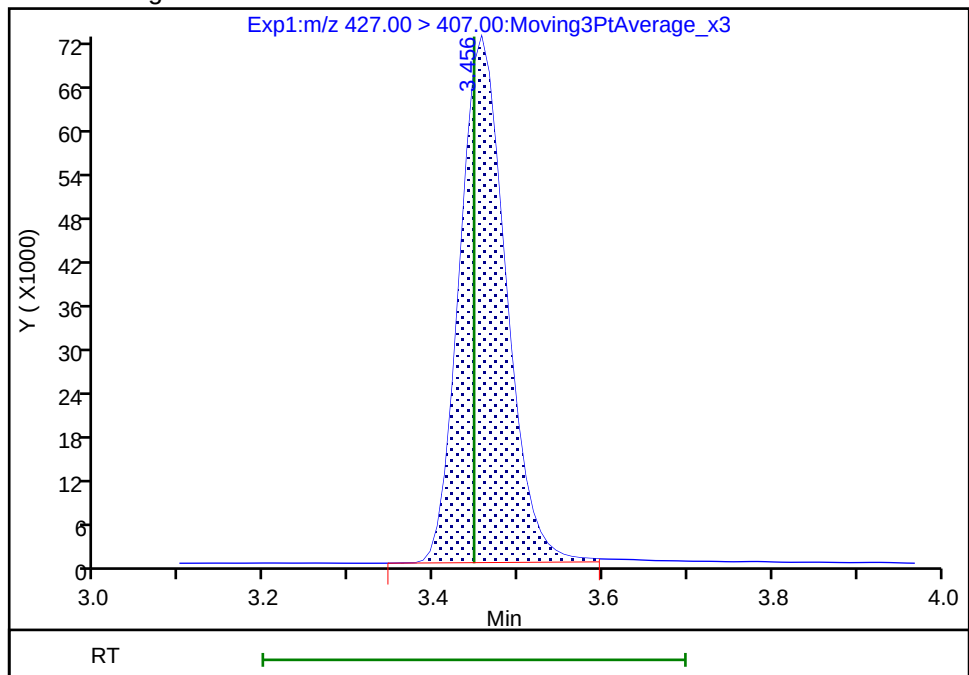
RT: 3.46
Area: 278582
Amount: 1.024872
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 277004
Amount: 1.029223
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 10:08:08
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1571 of 1695

08/18/2022

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B17.d

Injection Date: 11-Aug-2022 20:42:10

Instrument ID: LC812

Lims ID: 460-263422-A-2-B MS

Client ID:

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)

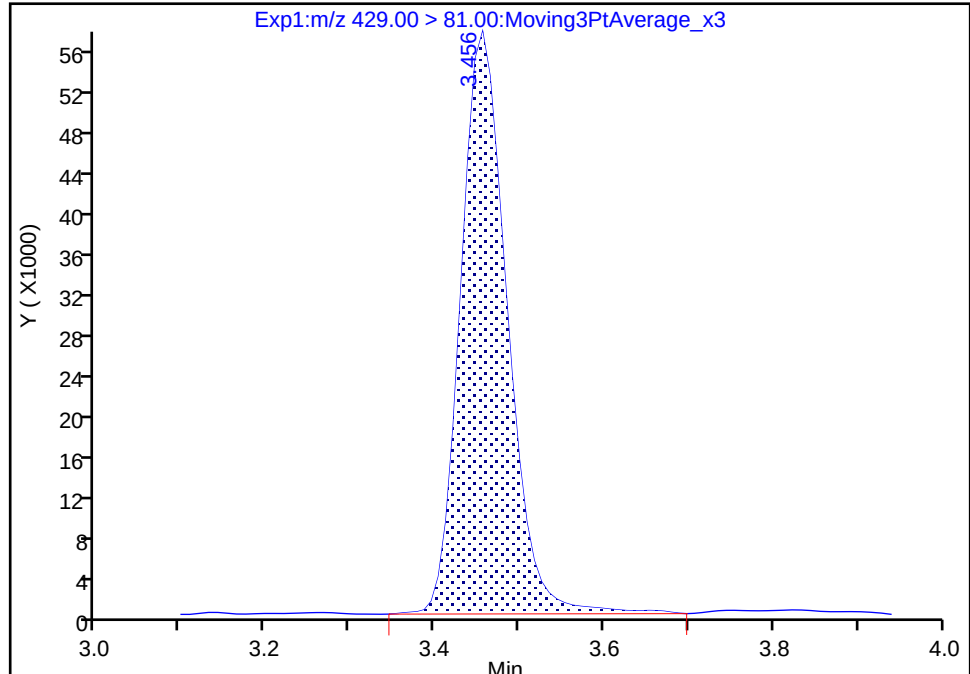
Detector: EXP1

D 12 M2-6:2 FTS, CAS: STL02279

Signal: 1

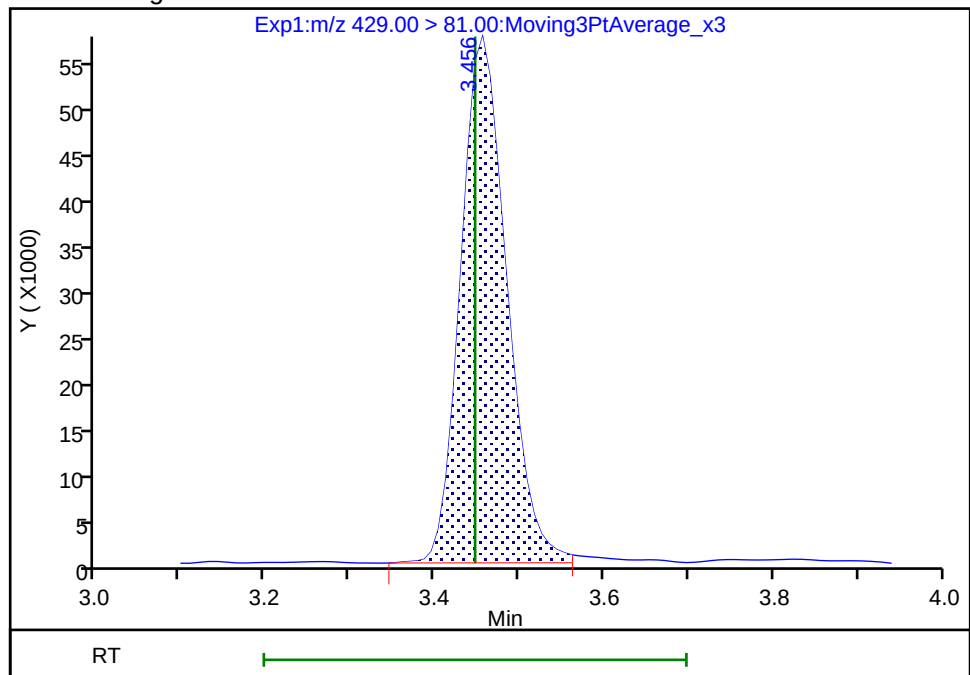
RT: 3.46
Area: 218857
Amount: 1.156959
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 215803
Amount: 1.143462
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 12:05:36

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B17.d

Injection Date: 11-Aug-2022 20:42:10

Instrument ID: LC812

Lims ID: 460-263422-A-2-B MS

Client ID:

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)

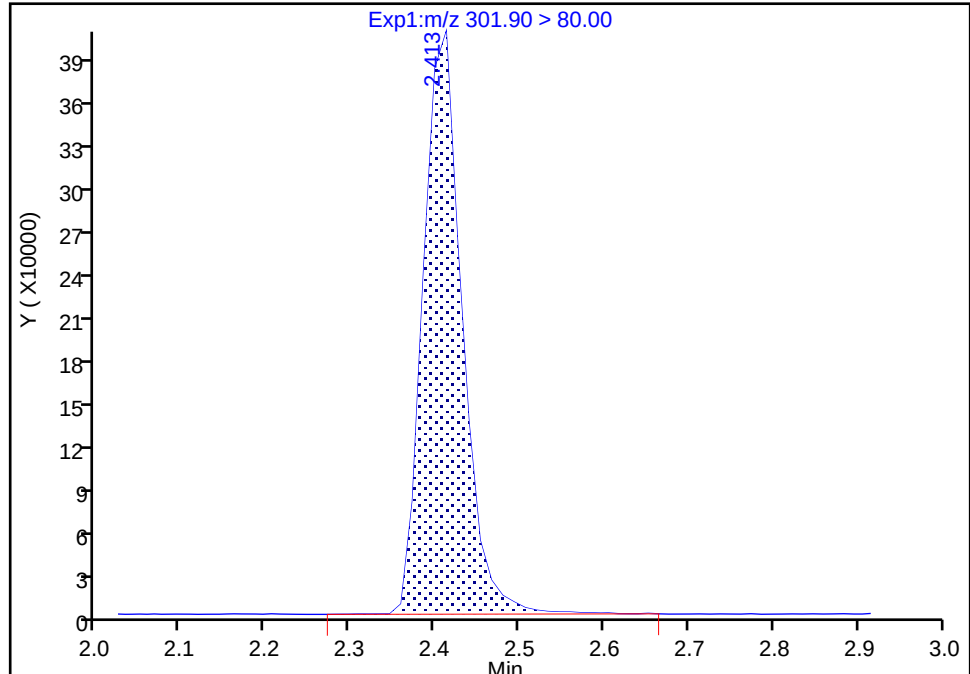
Detector: EXP1

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

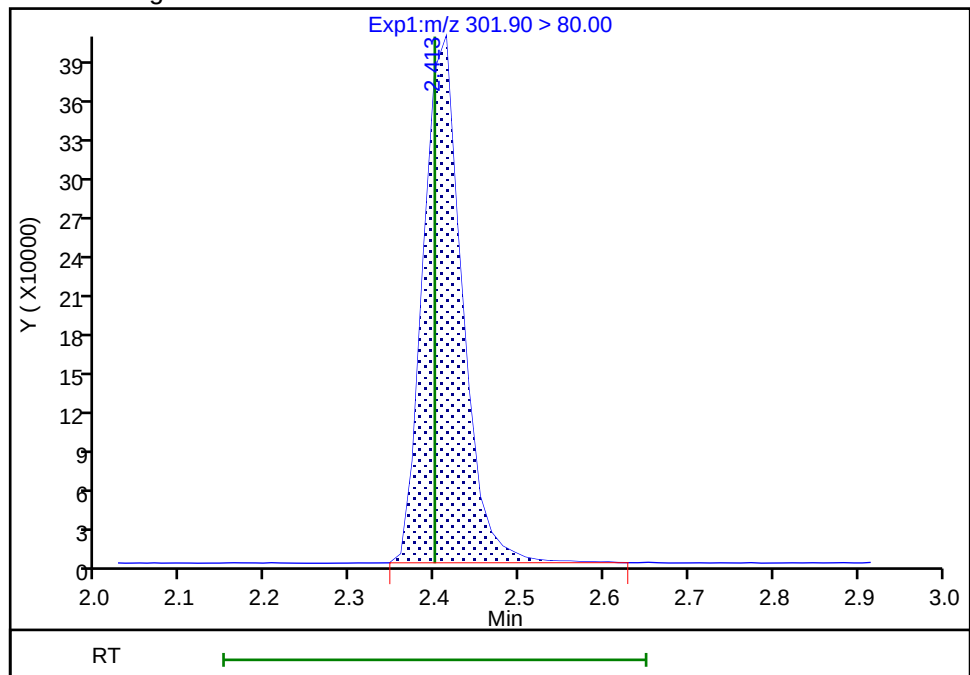
RT: 2.41
Area: 1297267
Amount: 0.807266
Amount Units: ng/ml

Processing Integration Results



RT: 2.41
Area: 1293396
Amount: 0.806725
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 09:59:30

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B17.d

Injection Date: 11-Aug-2022 20:42:10

Instrument ID: LC812

Lims ID: 460-263422-A-2-B MS

Client ID:

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)

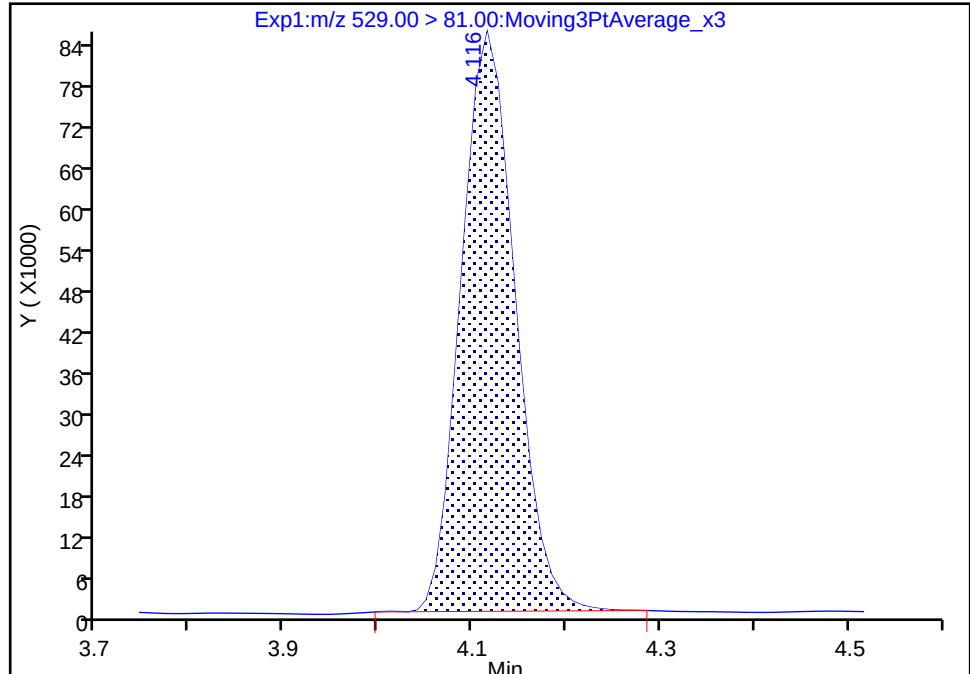
Detector: EXP1

D 26 M2-8:2 FTS, CAS: STL02280

Signal: 1

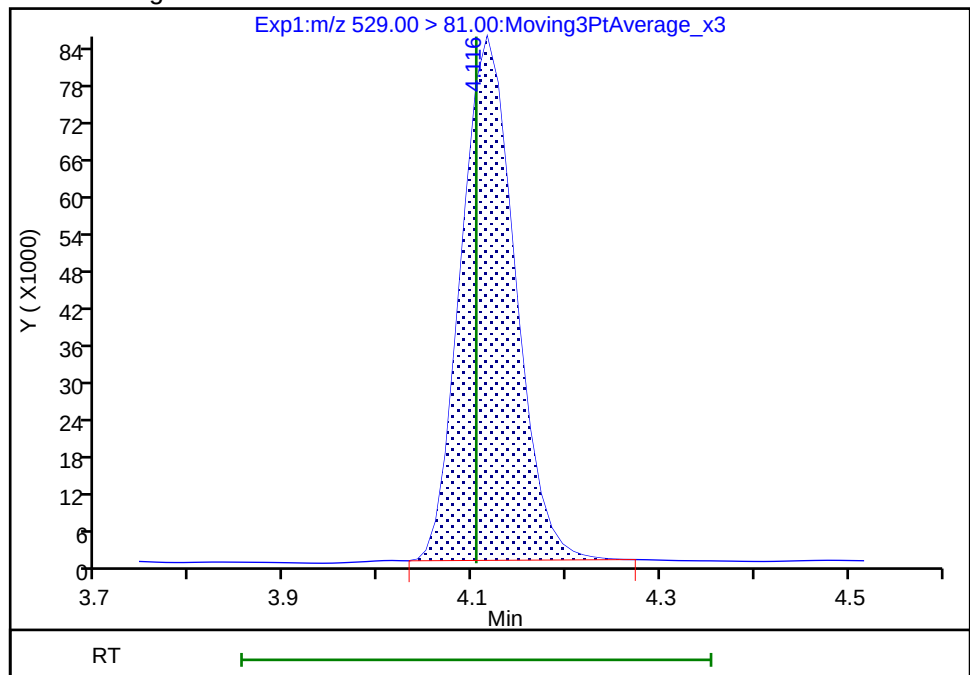
RT: 4.12
Area: 339190
Amount: 1.490244
Amount Units: ng/ml

Processing Integration Results



RT: 4.12
Area: 338761
Amount: 1.491814
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 10:04:58

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B17.d

Injection Date: 11-Aug-2022 20:42:10

Instrument ID: LC812

Lims ID: 460-263422-A-2-B MS

Client ID:

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)

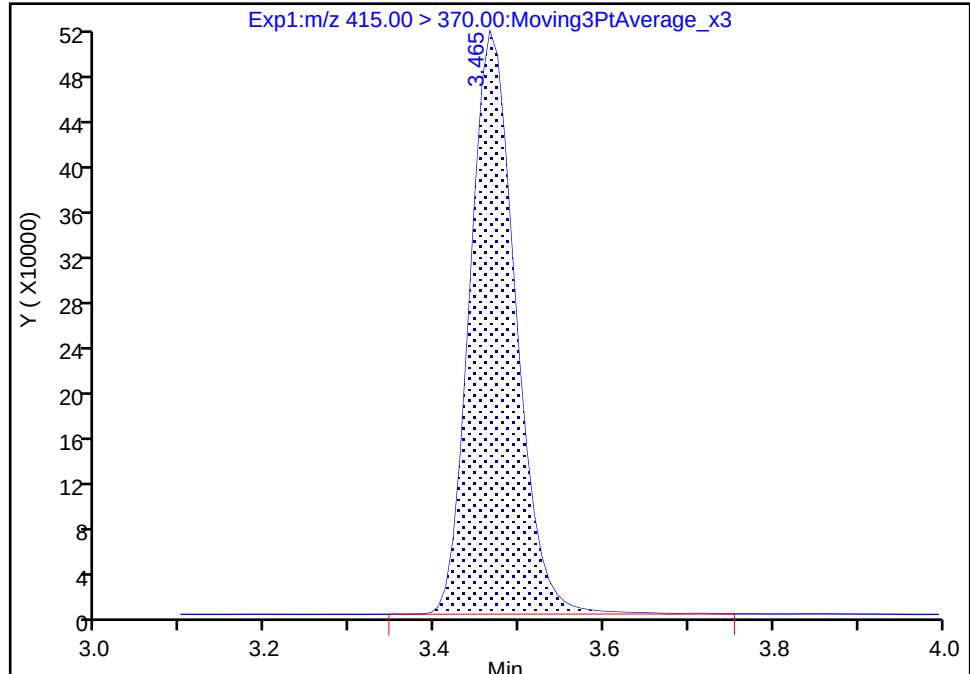
Detector: EXP1

* 62 13C2 PFOA, CAS: STL00623

Signal: 1

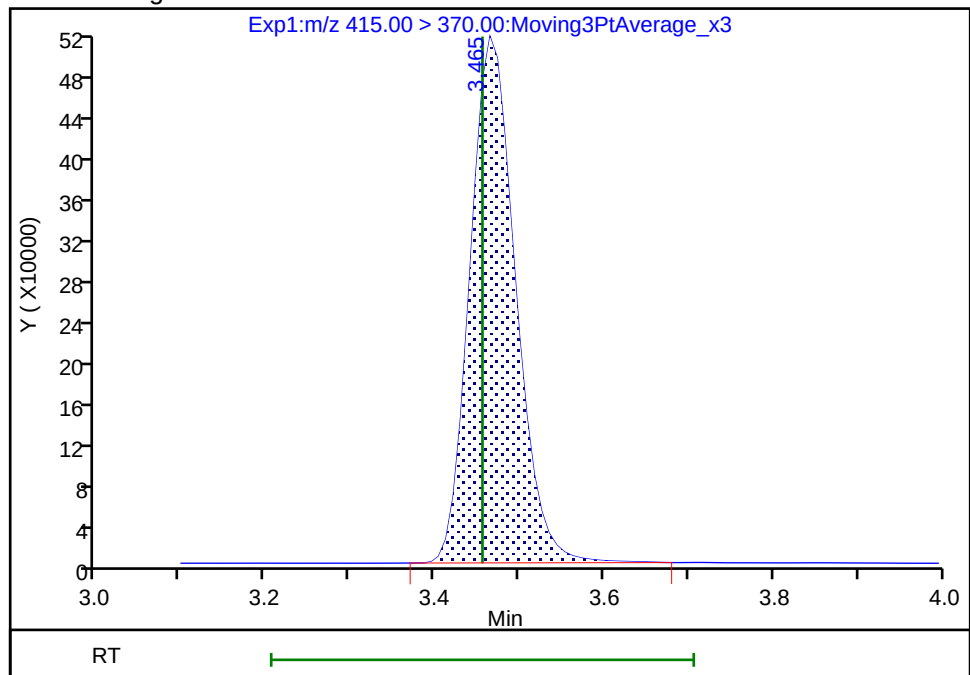
RT: 3.46
Area: 1933966
Amount: 1.250000
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 1929487
Amount: 1.250000
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 10:05:17

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-263208-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: 200-64441-A-11-C MSD

Matrix: Water Lab File ID: PA220809A21.d

Analysis Method: 537 (modified) Date Collected: _____

Extraction Method: 3535 Date Extracted: 08/09/2022 10:37

Sample wt/vol: 288.7 (mL) Date Analyzed: 08/09/2022 18:34

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.: 182508 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	59.90		4.33	1.04
2706-90-3	Perfluoropentanoic acid (PFPeA)	68.00		1.73	0.59
307-24-4	Perfluorohexanoic acid (PFHxA)	67.95		1.73	0.56
375-85-9	Perfluoroheptanoic acid (PFHpA)	66.46		1.73	0.47
335-67-1	Perfluorooctanoic acid (PFOA)	68.65		1.73	0.66
375-95-1	Perfluorononanoic acid (PFNA)	65.53		1.73	0.42
335-76-2	Perfluorodecanoic acid (PFDA)	67.67		1.73	0.40
2058-94-8	Perfluoroundecanoic acid (PFUnA)	70.84		1.73	0.48
307-55-1	Perfluorododecanoic acid (PFDoA)	62.04		1.73	0.42
72629-94-8	Perfluorotridecanoic acid (PFTriA)	62.84		1.73	0.42
376-06-7	Perfluorotetradecanoic acid (PFTeA)	65.70		1.73	0.55
375-73-5	Perfluorobutanesulfonic acid (PFBS)	59.28		1.73	0.54
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	59.58		1.73	0.48
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	62.08		1.73	0.36
335-77-3	Perfluorodecanesulfonic acid (PFDS)	62.24		1.73	0.35
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	63.81		1.73	0.74
754-91-6	Perfluorooctanesulfonamide (FOSA)	66.59		1.73	0.80
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	68.64		4.33	1.65
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	65.94		4.33	1.39
27619-97-2	6:2 FTS	70.07		4.33	1.13
39108-34-4	8:2 FTS	67.98		1.73	0.67

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-263208-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: 200-64441-A-11-C MSD

Matrix: Water Lab File ID: PA220809A21.d

Analysis Method: 537 (modified) Date Collected: _____

Extraction Method: 3535 Date Extracted: 08/09/2022 10:37

Sample wt/vol: 288.7 (mL) Date Analyzed: 08/09/2022 18:34

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.: 182508 Units: ng/L

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL01892	13C4 PFHpA	104		50-150
STL00990	13C4 PFOA	100		50-150
STL00995	13C5 PFNA	106		50-150
STL00992	13C4 PFBA	69		50-150
STL00993	13C2 PFHxA	101		50-150
STL00996	13C2 PFDA	103		50-150
STL00997	13C2 PFUnA	106		50-150
STL00994	18O2 PFHxS	101		50-150
STL00998	13C2 PFDoA	104		50-150
STL00991	13C4 PFOS	101		50-150
STL01056	13C8 FOSA	91		50-150
STL01893	13C5 PFPeA	91		50-150
STL02116	13C2 PFTeDA	80		50-150
STL02118	d3-NMeFOSAA	103		50-150
STL02117	d5-NEtFOSAA	106		50-150
STL02279	M2-6:2 FTS	116		50-150
STL02337	13C3 PFBS	93		50-150
STL02280	M2-8:2 FTS	117		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A21.d
 Lims ID: 200-64441-A-11-C MSD
 Client ID: SP-02
 Sample Type: MSD
 Inject. Date: 09-Aug-2022 18:34:48 ALS Bottle#: 18 Worklist Smp#: 21
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: 200-64441-A-11-C MSD
 Misc. Info.: 200-0052011-021 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 10-Aug-2022 11:01:07 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: CTX1674

First Level Reviewer: khanphomeea

Date: 10-Aug-2022 10:45:59

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										
217.00 > 172.00	2.068	2.085	-0.017	0.598	1519607	0.8589		68.7	4531	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.076	2.085	-0.009	1.004	2038656	1.73		86.5	73.7	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.373	2.386	-0.013	0.687	1548439	1.14		91.0	726	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.386	2.386	0.0	1.006	2506935	1.96		98.2	13.1	M
D 47 13C3 PFBS										M
301.90 > 80.00	2.400	2.400	0.0	0.694	1707344	1.08		93.3	59226	M
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.400	2.413	-0.013	1.000	2774405	1.71	Target=2.23	96.8	330	M
298.90 > 99.00	2.400	2.413	-0.013	1.000	1294146		2.14(1.11-3.34)		112	M
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.689	2.701	-0.012	0.778	219010	1.62		138	52.0	M
61 1H,1H,2H,2H-perfluorohexanesulfo										M
327.00 > 307.00	2.689	2.701	-0.012	1.000	847076	1.90		102	1324	M
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.725	2.737	-0.012	1.000	2801697	1.96	Target=12.24	98.1	102	M
313.00 > 119.00	2.725	2.737	-0.012	1.000	216054		12.97(6.12-18.36)		135	
D 7 13C2 PFHxA										
315.00 > 270.00	2.725	2.737	-0.012	0.788	1710905	1.26		101	4068	
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.737	2.750	-0.013	0.883	2566618	1.77	Target=2.95	94.3	530	M
349.00 > 99.00	2.737	2.750	-0.013	0.883	854027		3.01(1.48-4.43)		129	M
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.847	2.847	0.0	0.824	293216	1.15		91.7	1397	

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	2.847	0.0	1.000	507425	2.01		101	2185	M
D 11 18O2 PFHxS										M
403.00 > 84.00	3.098	3.110	-0.012	0.897	1323277	1.19		101	1794	M
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.098	3.110	-0.012	1.000	2122934	1.72	Target=3.43	94.5	526	M
399.00 > 99.00	3.098	3.110	-0.012	1.000	629356		3.37(1.72-5.15)		214	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.098	3.110	-0.012	0.897	1840188	1.31		104	2579	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.098	3.110	-0.012	1.000	2910832	1.92	Target=3.73	95.9	167	M
363.00 > 169.00	3.098	3.110	-0.012	1.000	786342		3.70(1.86-5.59)		524	M
77 DONA										M
377.00 > 251.00	3.143	3.143	0.0	0.833	6110876	1.78	Target=2.84	94.2	2504	M
377.00 > 85.00	3.143	3.143	0.0	0.833	2195701		2.78(1.42-4.26)		834	
D 12 M2-6:2 FTS										
429.00 > 81.00	3.447	3.455	-0.008	0.997	255746	1.38		116	219	
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.447	3.455	-0.008	1.000	640136	2.02		107	781	M
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.447	3.455	-0.008	0.914	1851603	1.79	Target=4.89	94.1	1482	
449.00 > 99.00	3.447	3.455	-0.008	0.914	372011		4.98(2.44-7.33)		260	M
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.456	3.464	-0.008	1.000	3206208	1.98	Target=2.67	99.1	198	M
413.00 > 169.00	3.456	3.464	-0.008	1.000	1177054		2.72(1.34-4.01)		809	M
D 14 13C4 PFOA										
417.00 > 372.00	3.456	3.464	-0.008	1.000	1803218	1.25		99.9	2340	
* 62 13C2 PFOA										
415.00 > 370.00	3.456	3.464	-0.008		1894913	1.25			2665	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.773	3.782	-0.009	1.000	1547438	1.84	Target=4.88	99.3	870	M
499.00 > 99.00	3.773	3.782	-0.009	1.000	336324		4.60(2.44-7.32)		314	M
D 18 13C4 PFOS										
503.00 > 80.00	3.773	3.782	-0.009	1.092	998850	1.21		101	1312	
20 Perfluorononanoic acid										
463.00 > 419.00	3.792	3.801	-0.009	1.000	3070066	1.89	Target=8.23	94.6	584	
463.00 > 169.00	3.792	3.801	-0.009	1.000	395242		7.77(4.11-12.34)		1260	
D 19 13C5 PFNA										M
468.00 > 423.00	3.792	3.801	-0.009	1.097	1993663	1.33		106	2792	M
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.940	3.951	-0.011	1.044	2727600	1.85		99.1	3205	
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.071	4.081	-0.010	1.079	1162175	1.78	Target=2.53	92.5	1294	
549.00 > 99.00	4.071	4.081	-0.010	1.079	486924		2.39(1.26-3.79)		748	
D 23 13C2 PFDA										M
515.00 > 470.00	4.092	4.104	-0.012	1.184	1883981	1.29		103	1407	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	4.092	4.104	-0.012	1.000	3096812	1.95	Target=9.67	97.7	826	
513.00 > 169.00	4.092	4.104	-0.012	1.000	337262		9.18(4.83-14.50)		878	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.104	4.115	-0.011	1.187	312973	1.40		117	426	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.104	4.115	-0.011	1.000	495355	1.96		102	3565	
D 21 13C8 FOSA										
506.00 > 78.00	4.161	4.161	0.0	1.204	1450091	1.14		90.8	1388	M
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.161	4.173	-0.012	1.000	2272682	1.92		96.1	2301	
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.238	4.249	-0.011	1.226	250920	1.28		103	348	M
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.249	4.249	0.0	1.003	353291	1.98		99.1	696	M
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.342	4.342	0.0	1.151	875145	1.80	Target=2.80	93.2	2157	
599.00 > 99.00	4.342	4.342	0.0	1.151	338477		2.59(1.40-4.20)		975	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.364	4.376	-0.012	1.263	1468186	1.33		106	1794	M
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.364	4.376	-0.012	1.000	2545073	2.05	Target=9.07	102	955	M
563.00 > 169.00	4.364	4.376	-0.012	1.000	276041		9.22(4.54-13.61)		1462	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.376	4.387	-0.011	1.266	244189	1.32		106	839	
33 N-ethylperfluorooctanesulfonamid										
584.00 > 419.00	4.387	4.387	0.0	1.003	337627	1.90		95.2	1028	M
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.465	4.478	-0.013	1.183	3430867	1.79		94.8	2097	M
D 36 13C2 PFDaA										
615.00 > 570.00	4.601	4.612	-0.011	1.331	1490551	1.30		104	4172	
37 Perfluorododecanoic acid										
613.00 > 569.00	4.612	4.612	0.0	1.002	2166017	1.79	Target=6.97	89.6	278	
613.00 > 169.00	4.601	4.612	-0.011	1.000	349993		6.19(3.48-10.45)		1482	
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.622	4.633	-0.011	1.126	224303	1.90		98.7	1122	M
75 Perfluorododecanesulfonic acid (										
699.00 > 80.00	4.785	4.794	-0.009	1.268	272582	1.26	Target=0.52	65.1	1996	
699.00 > 99.00	4.785	4.794	-0.009	1.268	491143		0.55(0.26-0.79)		1750	M
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.825	4.837	-0.012	1.048	1901656	1.81	Target=4.56	90.7	311	M
663.00 > 169.00	4.825	4.837	-0.012	1.048	421859		4.51(2.28-6.84)		908	M
D 43 13C2 PFTeDA										
715.00 > 670.00	5.022	5.032	-0.010	1.453	931079	0.99		79.5	2065	M
42 Perfluorotetradecanoic acid										
713.00 > 169.00	5.022	5.032	-0.010	1.000	226359	1.90	Target=0.94	94.8	906	M
713.00 > 219.00	5.022	5.032	-0.010	1.000	249688		0.91(0.47-1.41)		1022	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	5.389	5.389	0.0	1.002	1257440	2.05	Target=4.38	103	360	
813.00 > 169.00	5.389	5.389	0.0	1.002	290673		4.33(2.19-6.57)		1658	M
D 44 13C2 PFHxDA										
815.00 > 770.00	5.378	5.389	-0.011	1.556	848145	0.7951		63.6	3242	
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.731	5.740	-0.009	1.066	998845	2.21	Target=4.31	111	349	M
913.00 > 169.00	5.731	5.740	-0.009	1.066	216068		4.62(2.16-6.47)		783	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A21.d

Injection Date: 09-Aug-2022 18:34:48

Instrument ID: LC812

Lims ID: 200-64441-A-11-C MSD

Client ID: SP-02

Operator ID: lc812tech

ALS Bottle#: 18

Worklist Smp#: 21

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

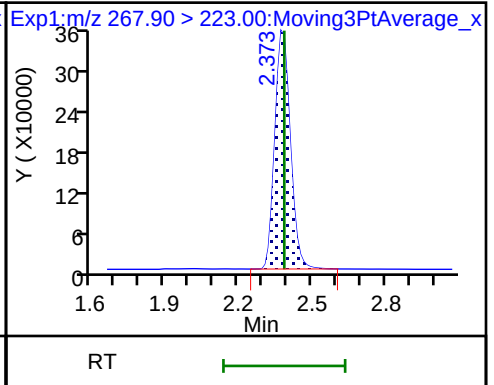
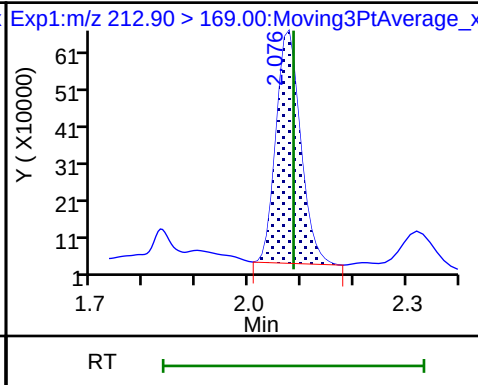
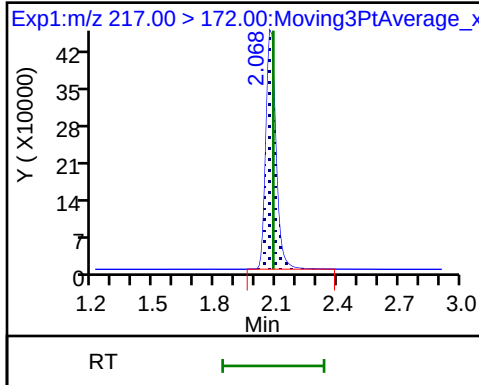
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

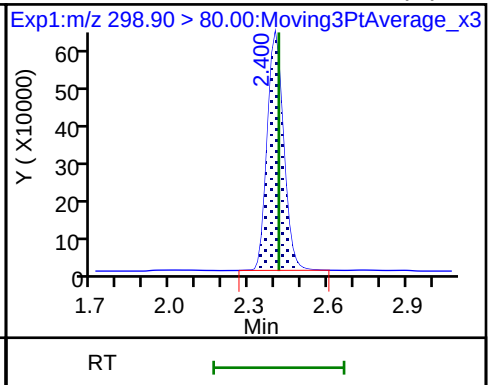
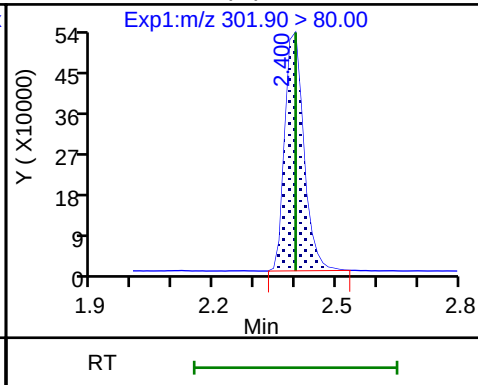
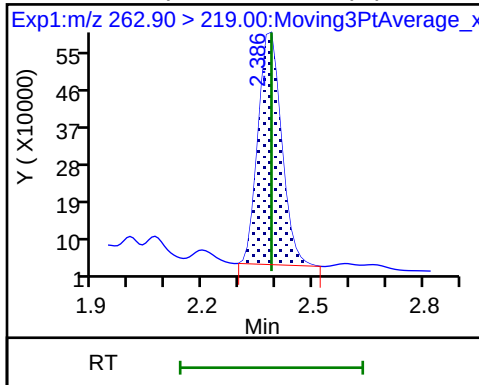
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

D 47 13C3 PFBS (M)

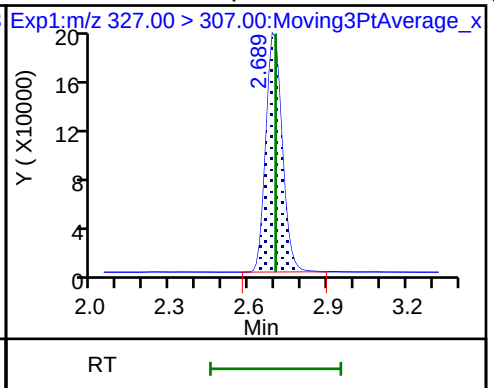
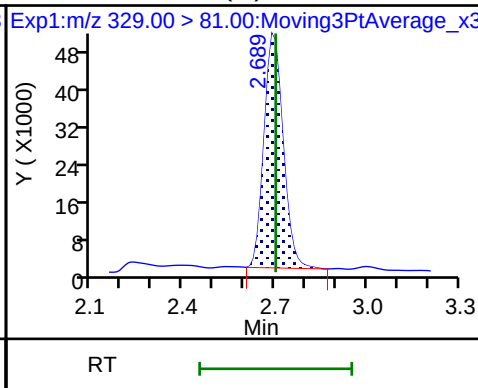
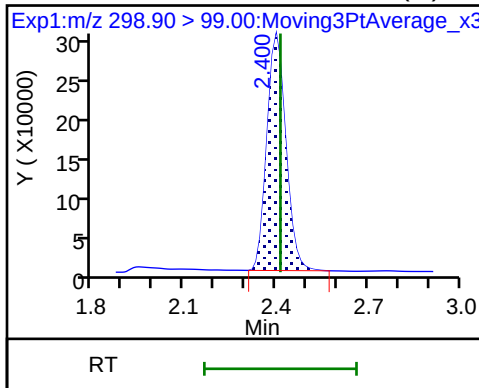
5 Perfluorobutanesulfonic acid (M)



5 Perfluorobutanesulfonic acid (M)

D 60 M2-4:2 FTS (M)

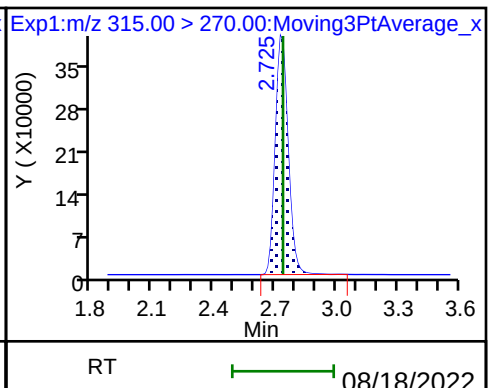
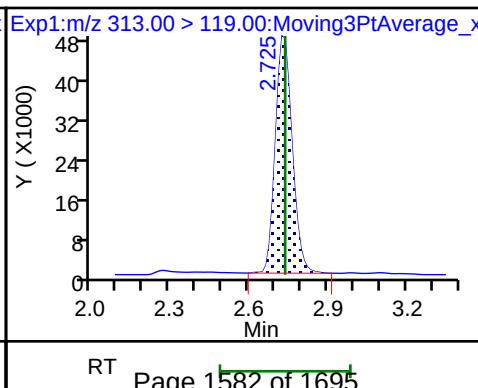
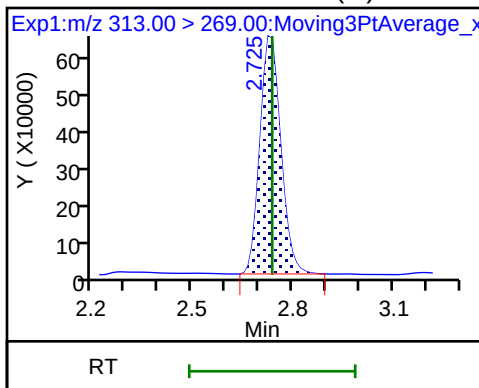
61 1H,1H,2H,2H-perfluorohexanesulfo (M)



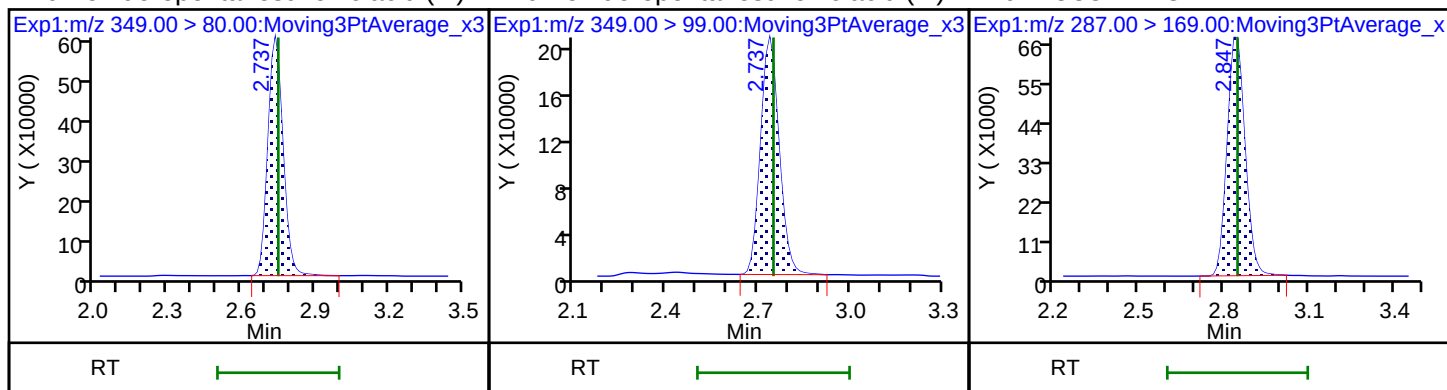
6 Perfluorohexanoic acid (M)

6 Perfluorohexanoic acid

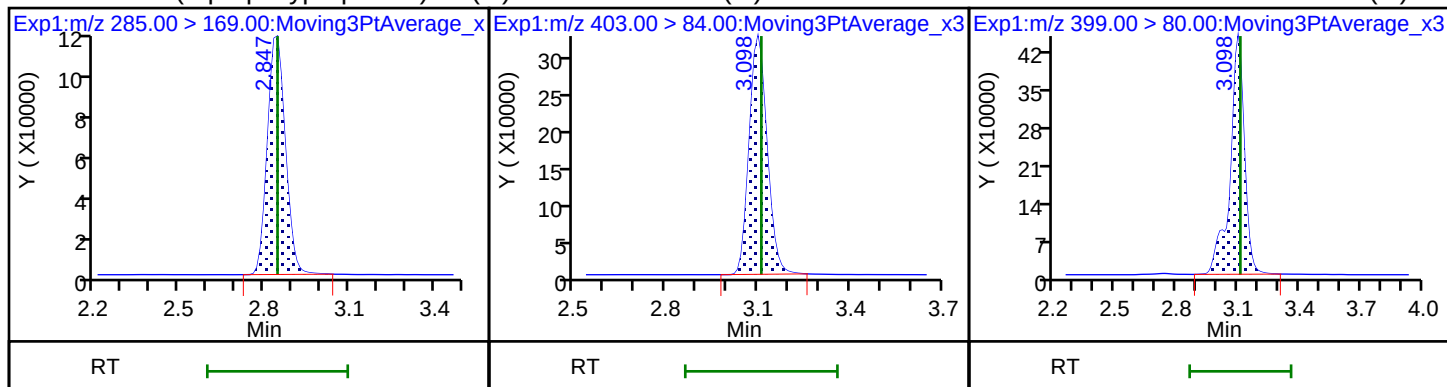
D 7 13C2 PFHxA



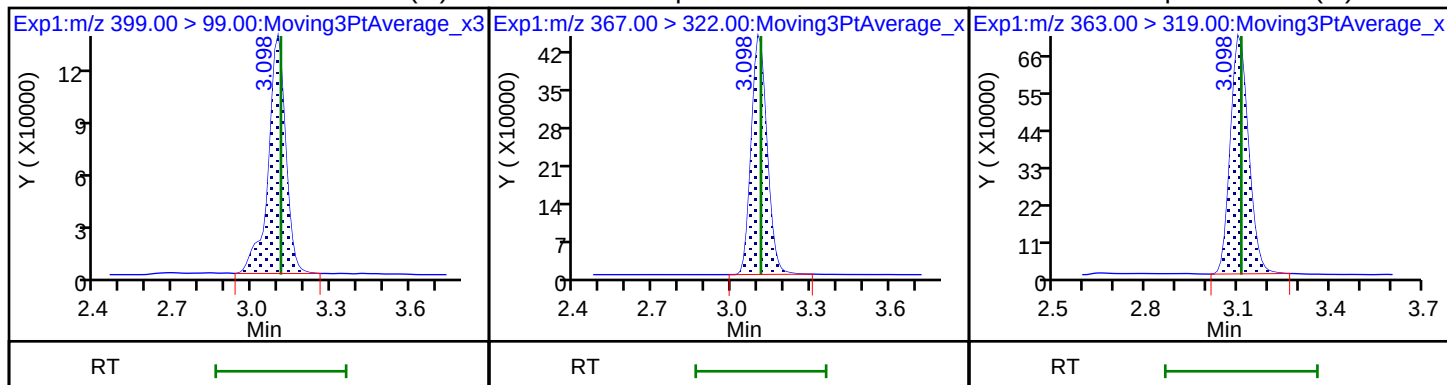
70 Perfluoropentanesulfonic acid (M) 70 Perfluoropentanesulfonic acid (M) D 64 13C3 HFPO-DA



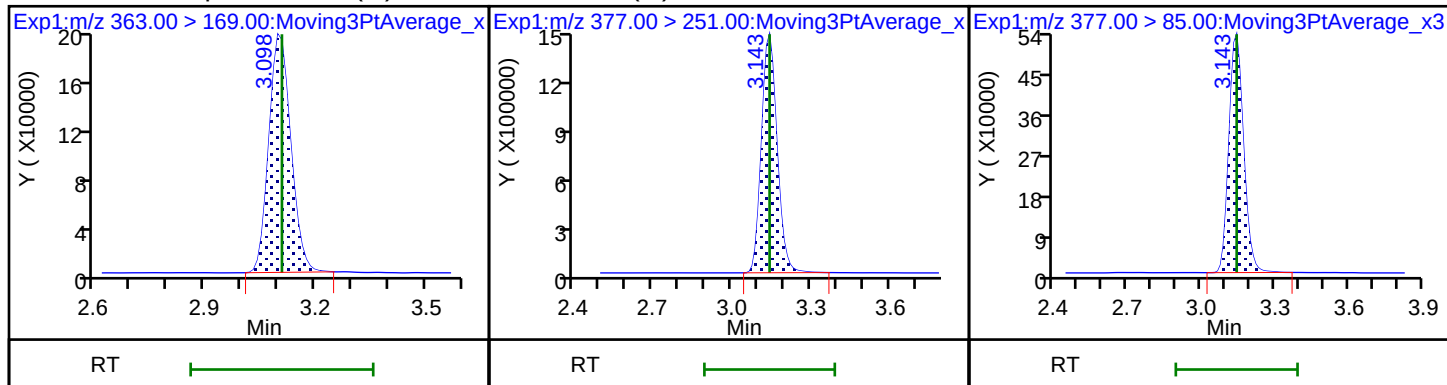
67 Perfluoro(2-propoxypropanoic) ac (M) 11 18O2 PFHxS (M) 8 Perfluorohexanesulfonic acid (M)



8 Perfluorohexanesulfonic acid (M) D 9 13C4 PFHpA 10 Perfluoroheptanoic acid (M)

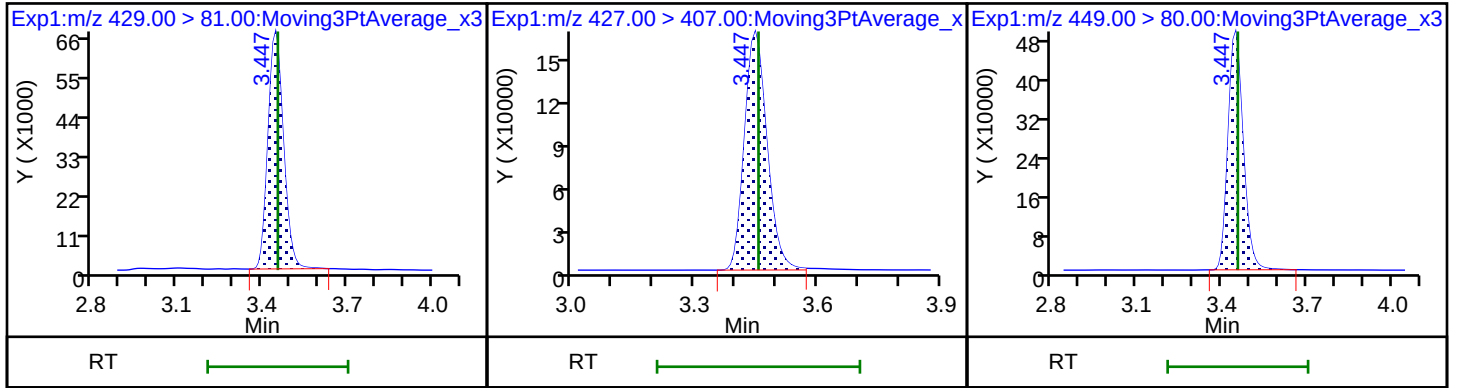


10 Perfluoroheptanoic acid (M) 77 DONA (M) 77 DONA



D 12 M2-6:2 FTS

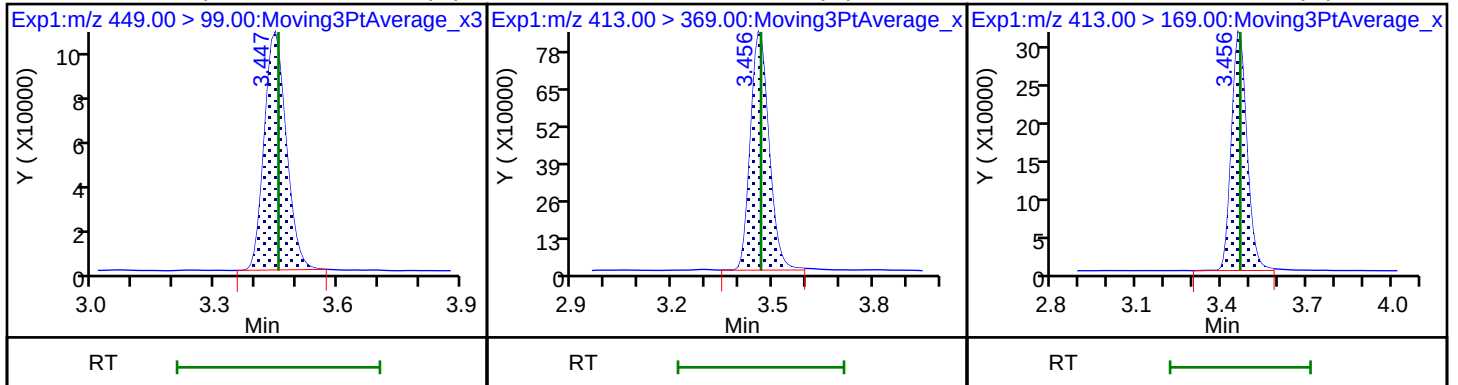
13 1H,1H,2H,2H-perfluorooctanesulfo (M) 16 Perfluoroheptanesulfonic acid



16 Perfluoroheptanesulfonic acid (M)

15 Perfluorooctanoic acid (M)

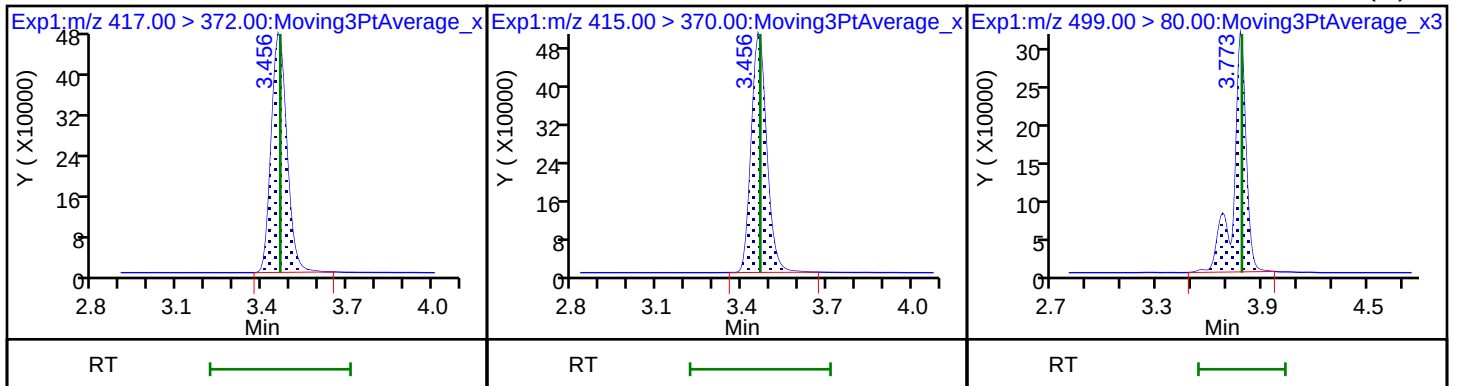
15 Perfluorooctanoic acid (M)



D 14 13C4 PFOA

* 62 13C2 PFOA

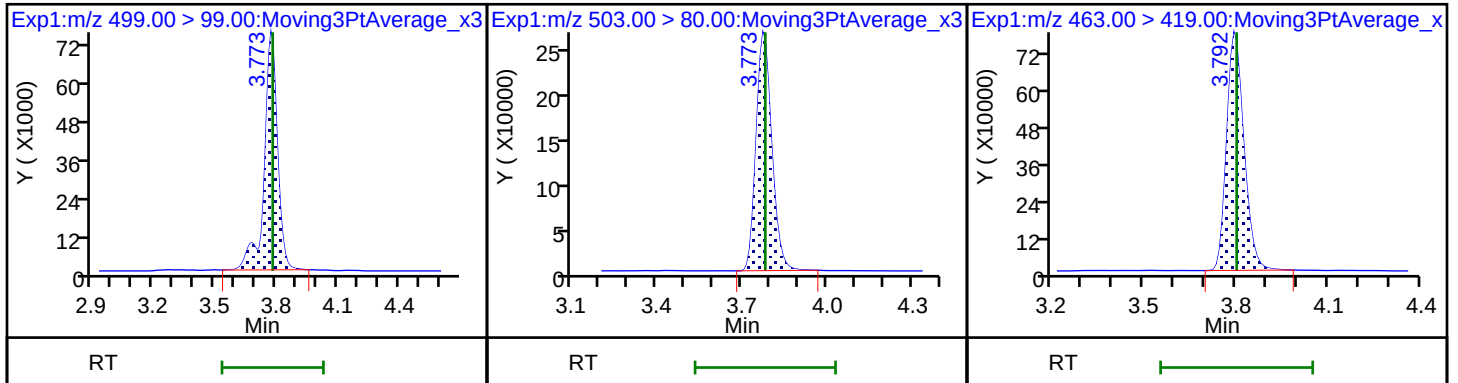
17 Perfluorooctanesulfonic acid (M)

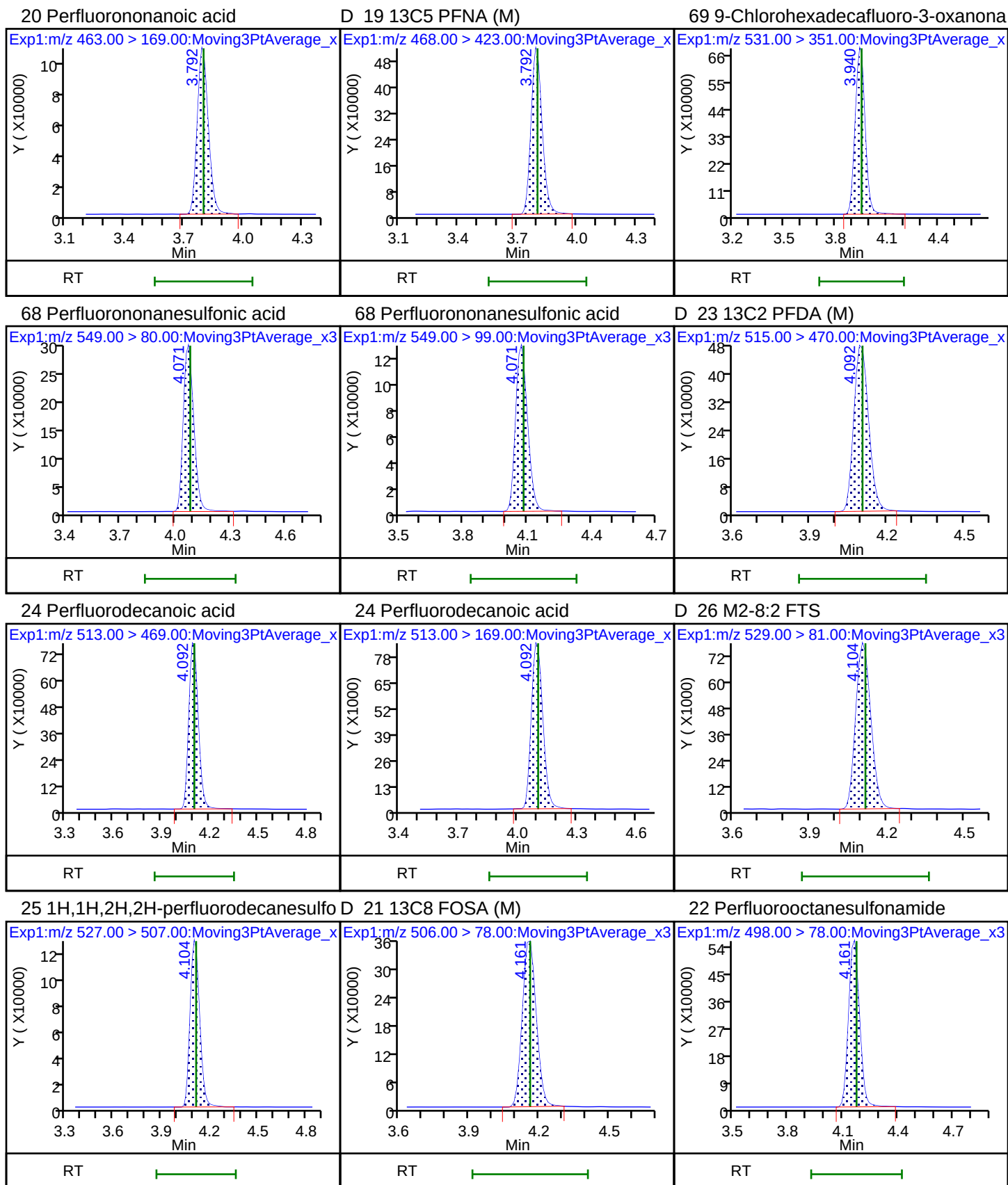


17 Perfluorooctanesulfonic acid (M)

D 18 13C4 PFOS

20 Perfluorononanoic acid

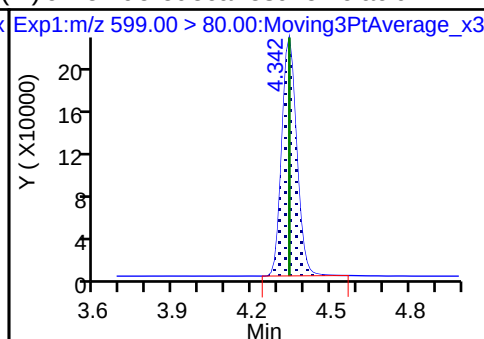
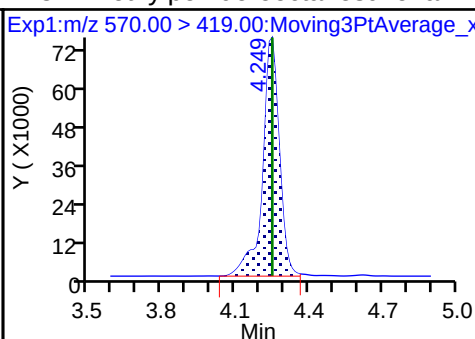
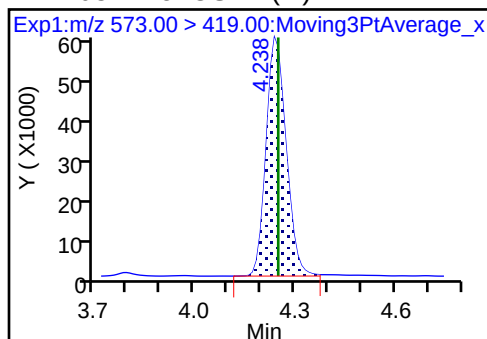




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami (M)

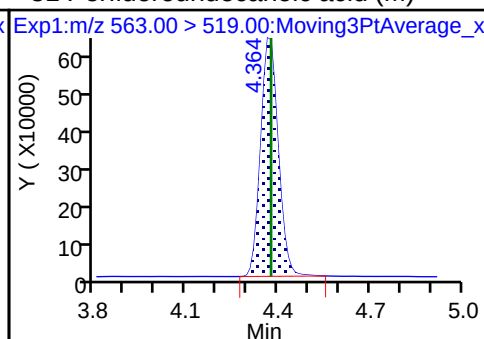
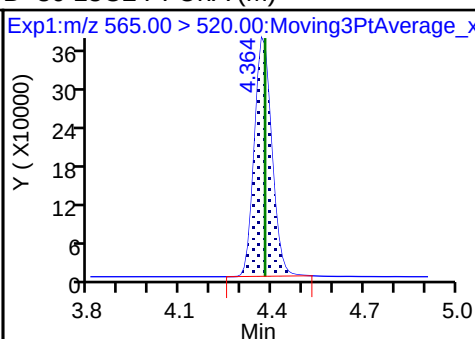
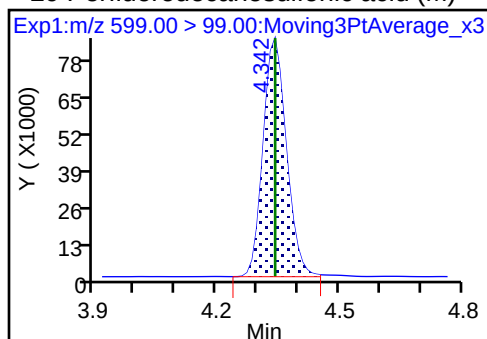
29 Perfluorodecanesulfonic acid (M)



29 Perfluorodecanesulfonic acid (M)

D 30 13C2 PFUnA (M)

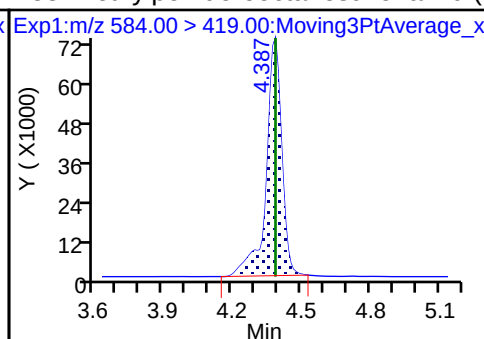
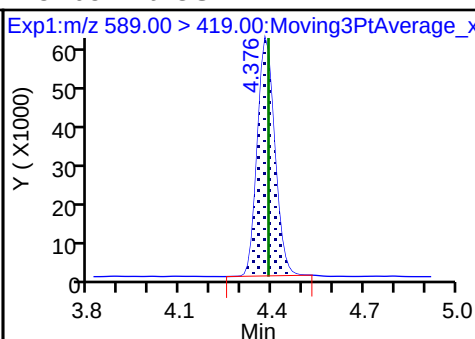
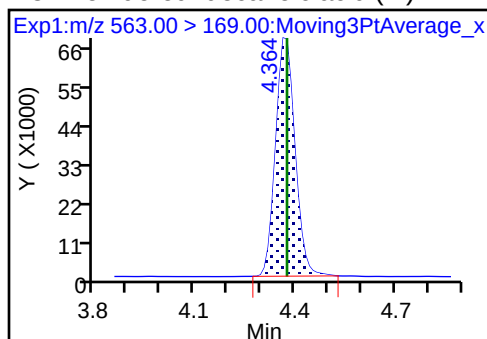
31 Perfluoroundecanoic acid (M)



31 Perfluoroundecanoic acid (M)

D 32 d5-NEtFOSAA

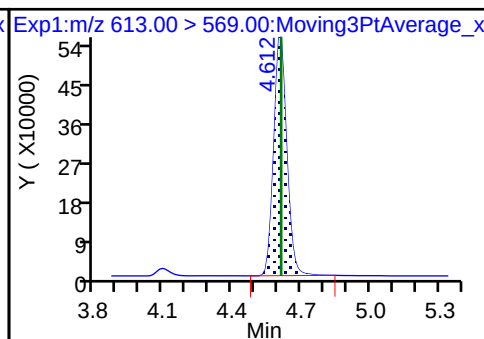
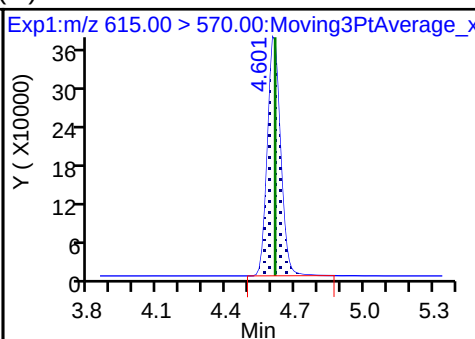
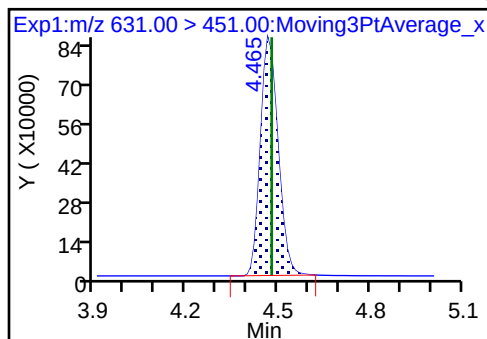
33 N-ethylperfluorooctanesulfonamid (M)



66 11-Chloroeicosafluoro-3-oxaundec (M)

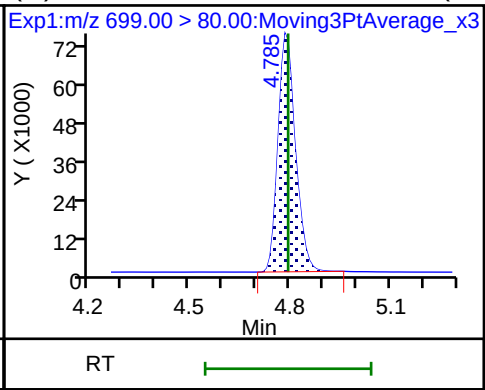
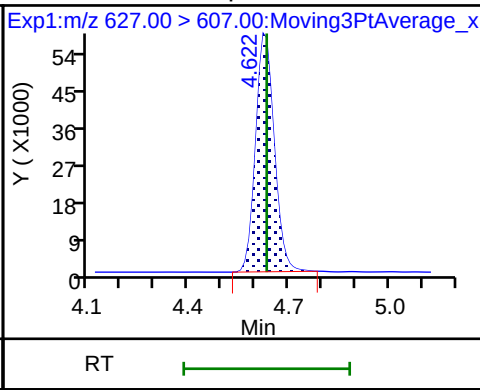
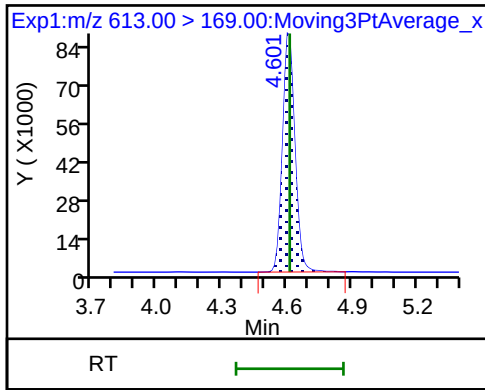
36 13C2 PFDaA

37 Perfluorododecanoic acid



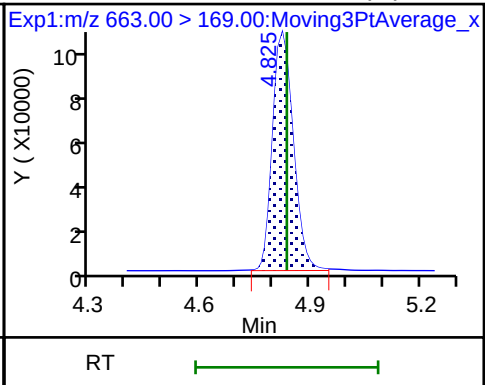
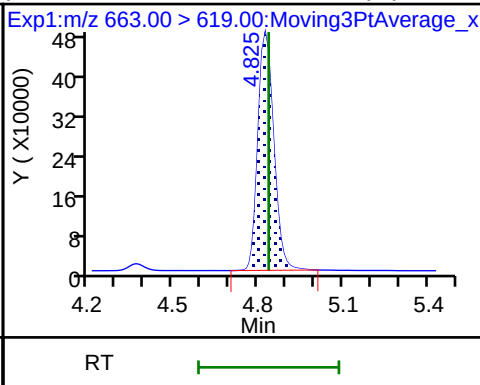
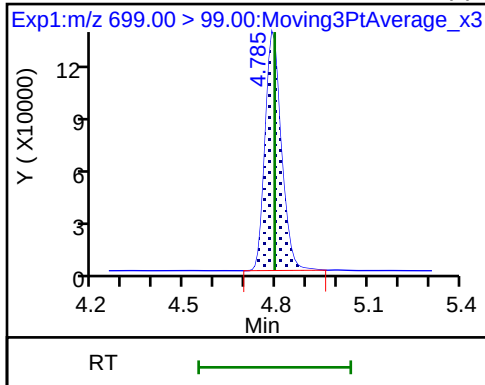
37 Perfluorododecanoic acid

74 1H,1H,2H,2H-perfluorododecanesul (M) 75 Perfluorododecanesulfonic acid (



75 Perfluorododecanesulfonic acid ((M) 41 Perfluorotridecanoic acid (M)

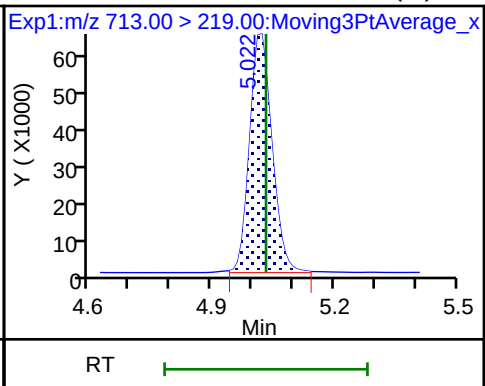
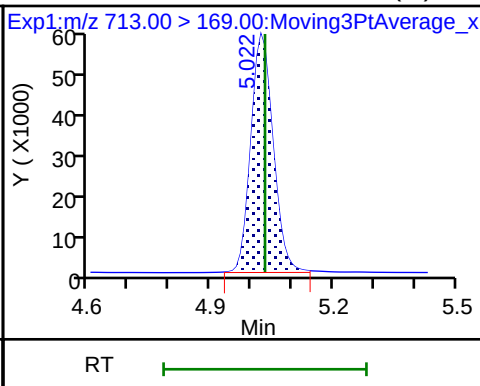
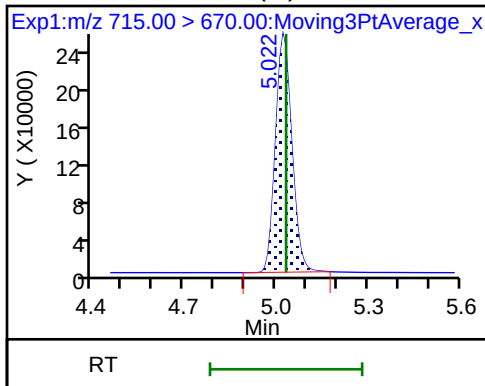
41 Perfluorotridecanoic acid (M)



D 43 13C2 PFTeDA (M)

42 Perfluorotetradecanoic acid (M)

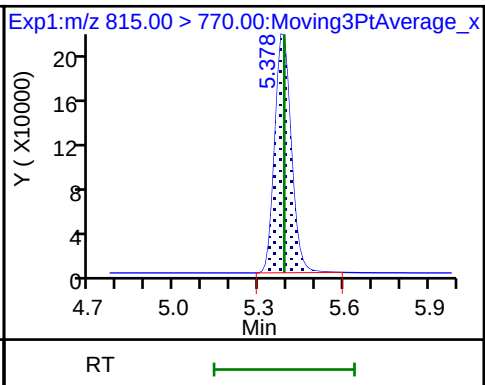
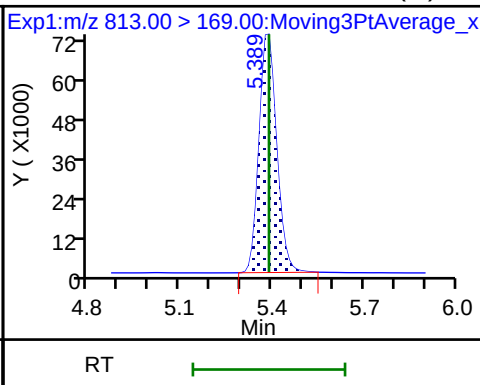
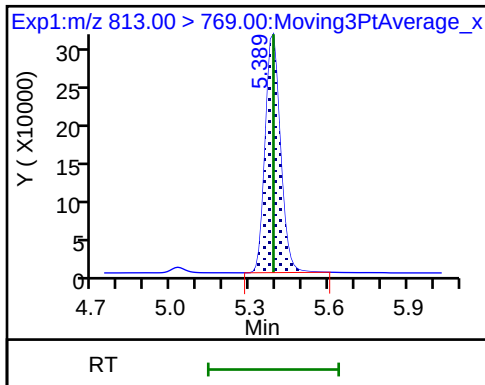
42 Perfluorotetradecanoic acid (M)



45 Perfluorohexadecanoic acid

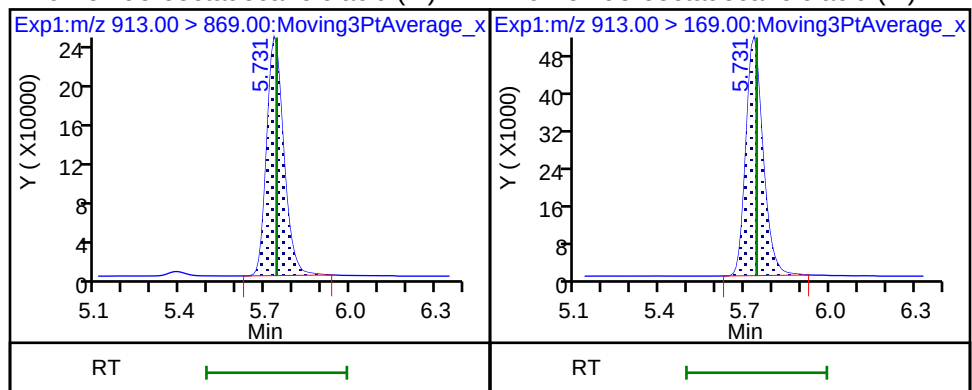
45 Perfluorohexadecanoic acid (M)

D 44 13C2 PFHxDA



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

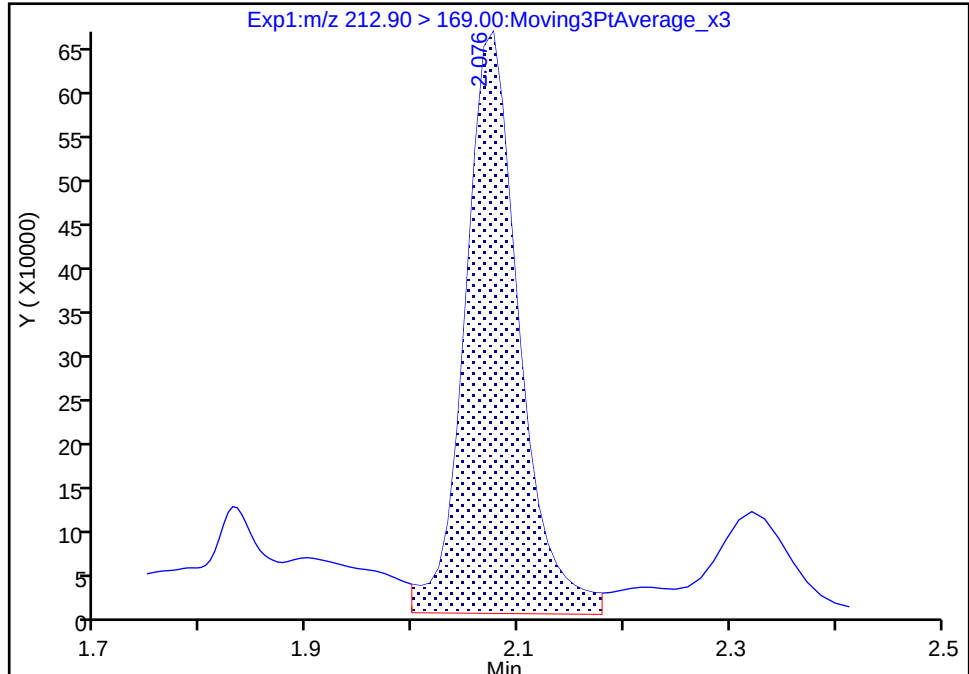
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A21.d
Injection Date: 09-Aug-2022 18:34:48 Instrument ID: LC812
Lims ID: 200-64441-A-11-C MSD
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 21
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

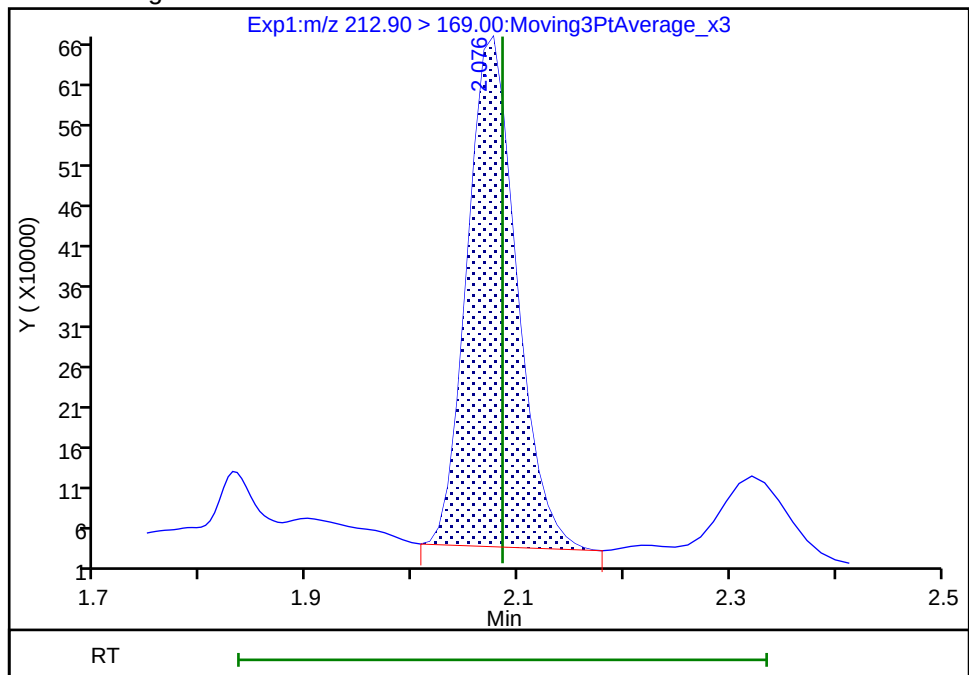
RT: 2.08
Area: 2335043
Amount: 1.980800
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 2038656
Amount: 1.729377
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:41:59

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

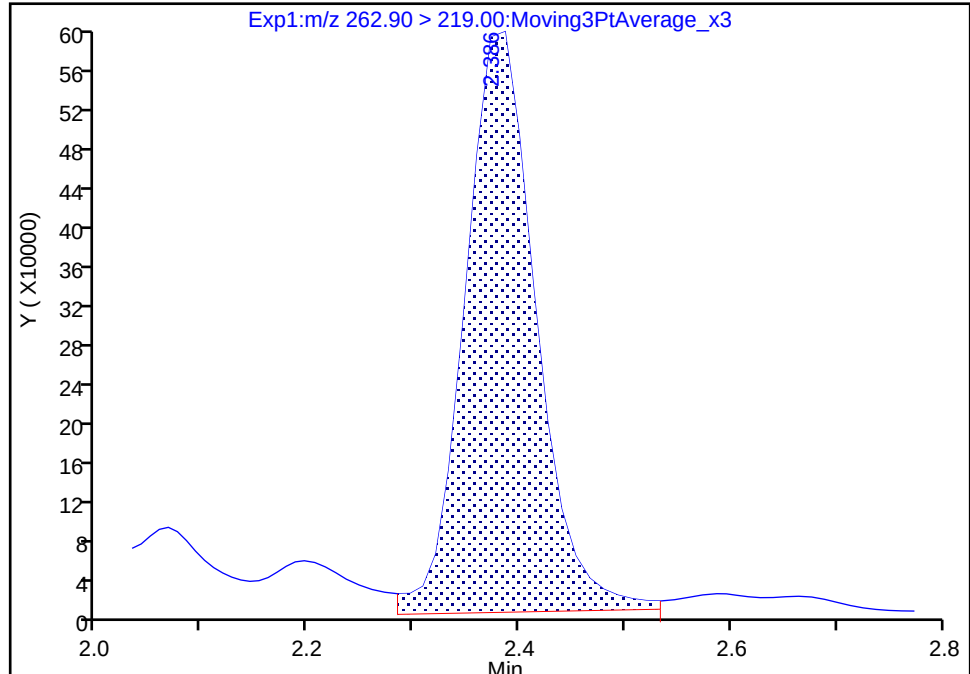
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A21.d
Injection Date: 09-Aug-2022 18:34:48 Instrument ID: LC812
Lims ID: 200-64441-A-11-C MSD
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 21
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

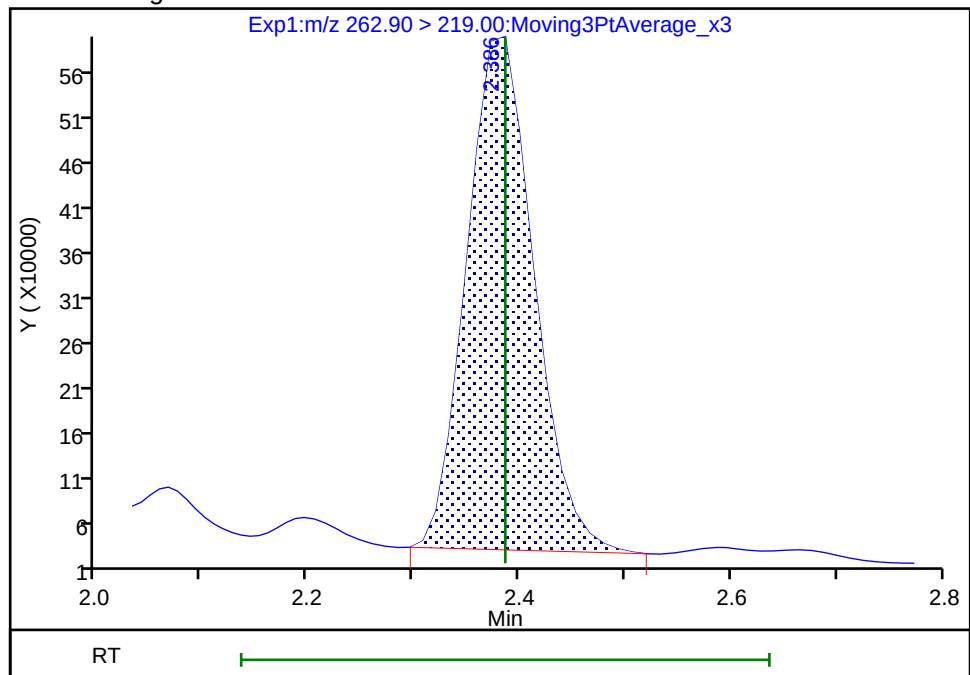
RT: 2.39
Area: 2727466
Amount: 2.135713
Amount Units: ng/ml

Processing Integration Results



RT: 2.39
Area: 2506935
Amount: 1.963028
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:42:03

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

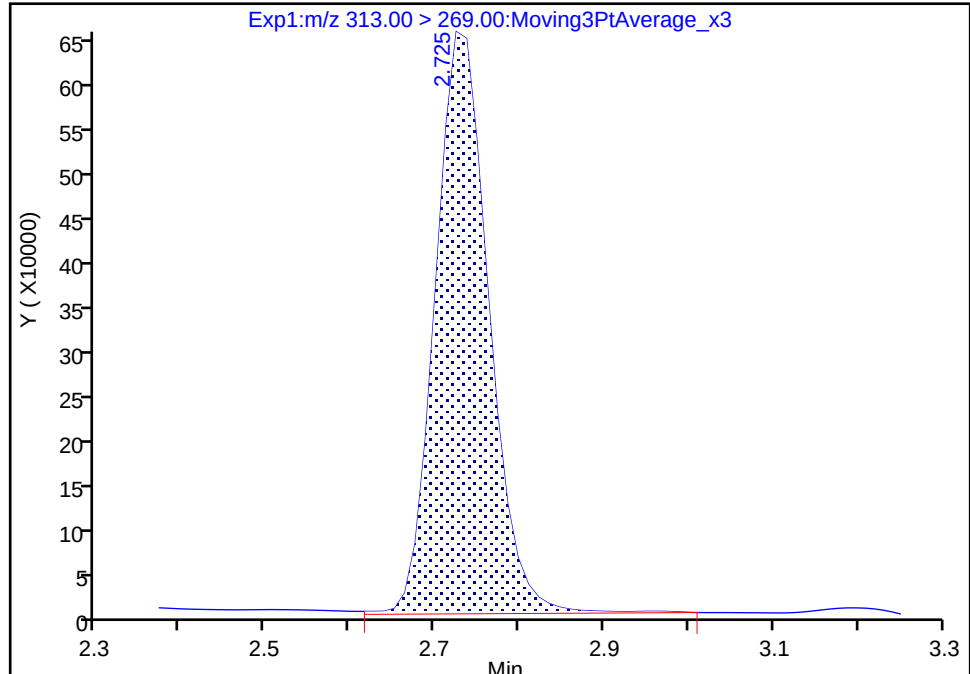
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A21.d
Injection Date: 09-Aug-2022 18:34:48 Instrument ID: LC812
Lims ID: 200-64441-A-11-C MSD
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 21
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

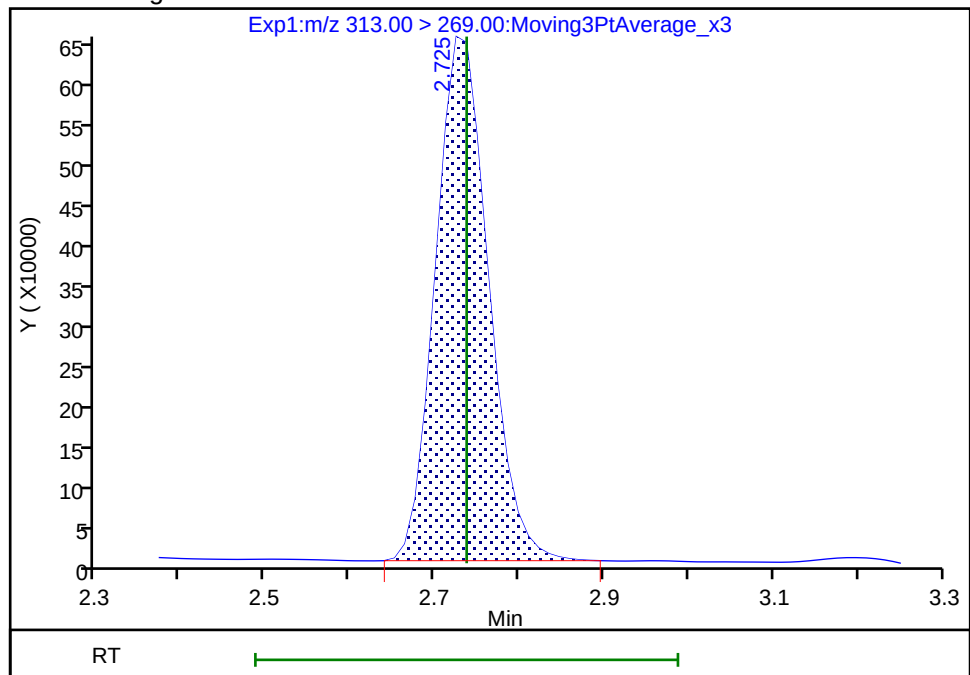
RT: 2.73
Area: 2856550
Amount: 2.000095
Amount Units: ng/ml

Processing Integration Results



RT: 2.73
Area: 2801697
Amount: 1.961688
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:42:26

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

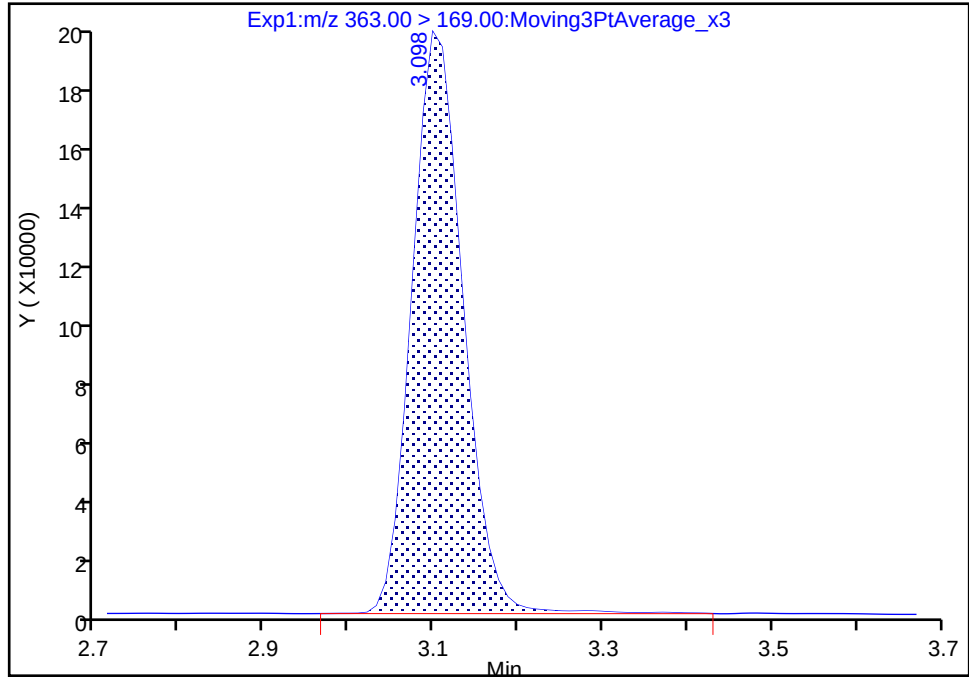
Data File:	\\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A21.d		
Injection Date:	09-Aug-2022 18:34:48	Instrument ID:	LC812
Lims ID:	200-64441-A-11-C MSD		
Client ID:	SP-02		
Operator ID:	lc812tech	ALS Bottle#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	21

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

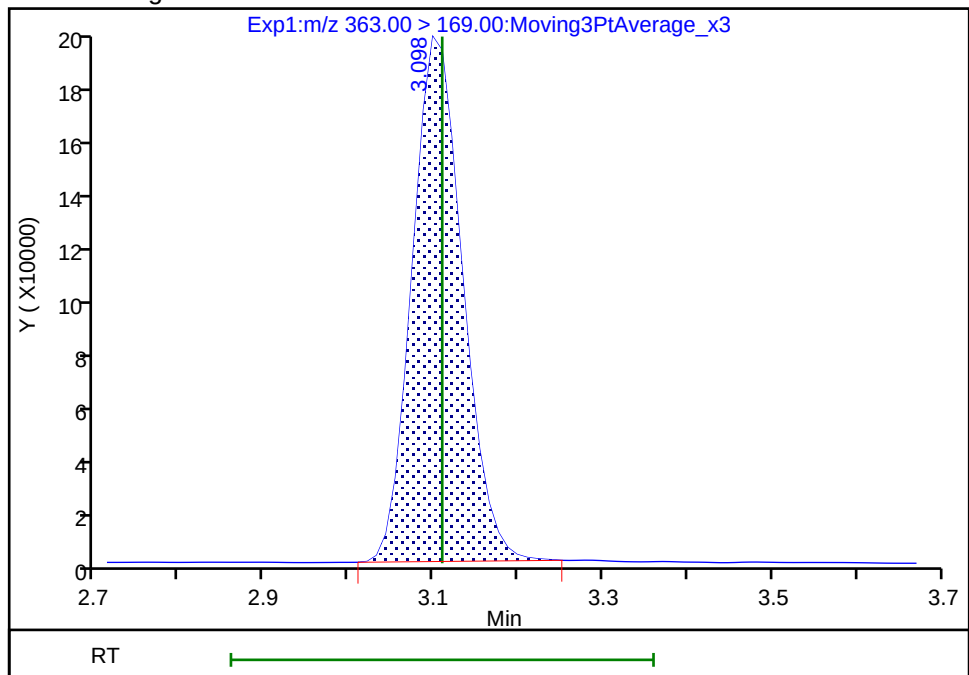
RT: 3.10
Area: 797748
Amount: 1.931691
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 786342
Amount: 1.918559
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:43:29

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

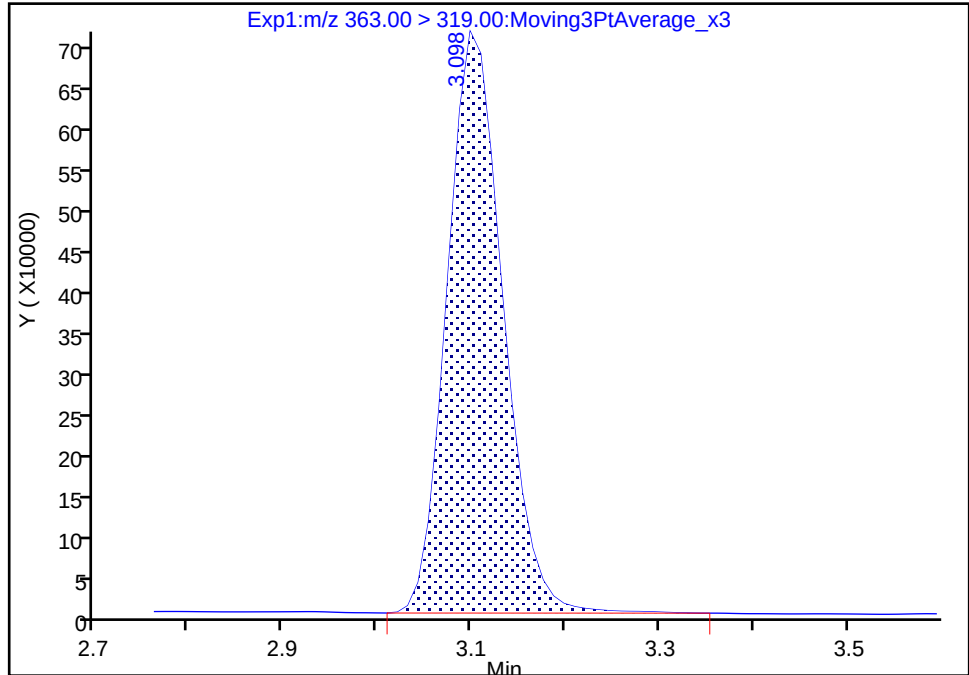
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A21.d
Injection Date: 09-Aug-2022 18:34:48 Instrument ID: LC812
Lims ID: 200-64441-A-11-C MSD
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 21
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

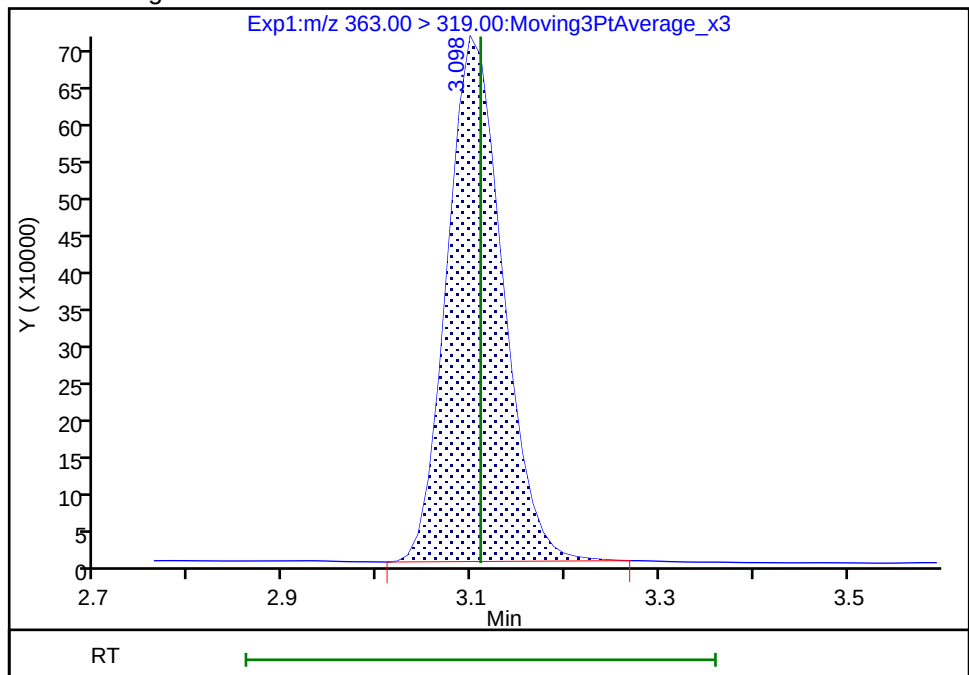
RT: 3.10
Area: 2930756
Amount: 1.931691
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 2910832
Amount: 1.918559
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:43:32

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

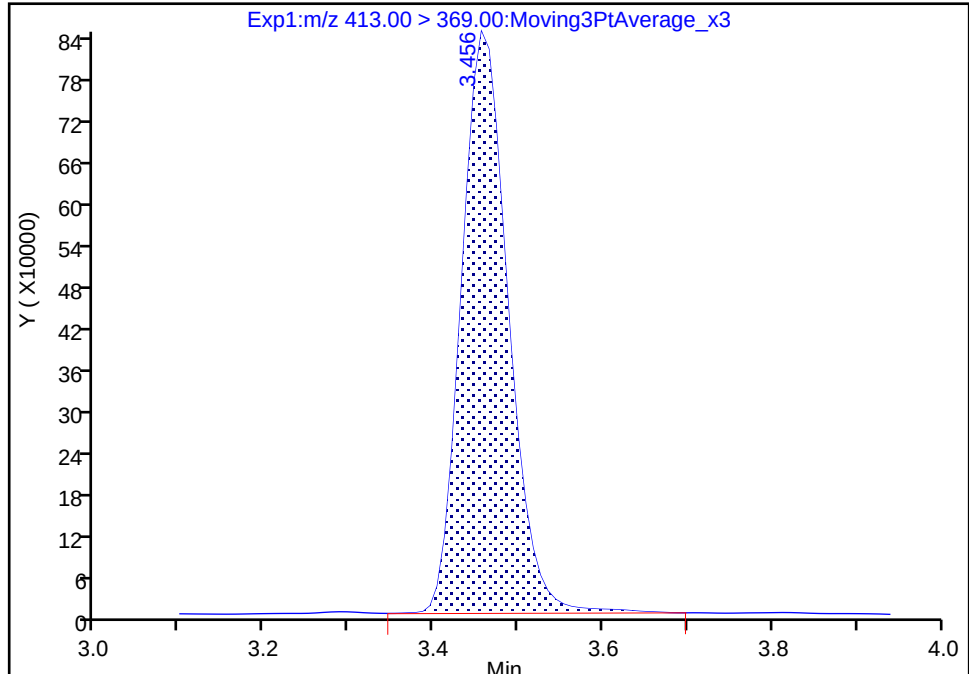
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A21.d
Injection Date: 09-Aug-2022 18:34:48 Instrument ID: LC812
Lims ID: 200-64441-A-11-C MSD
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 21
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

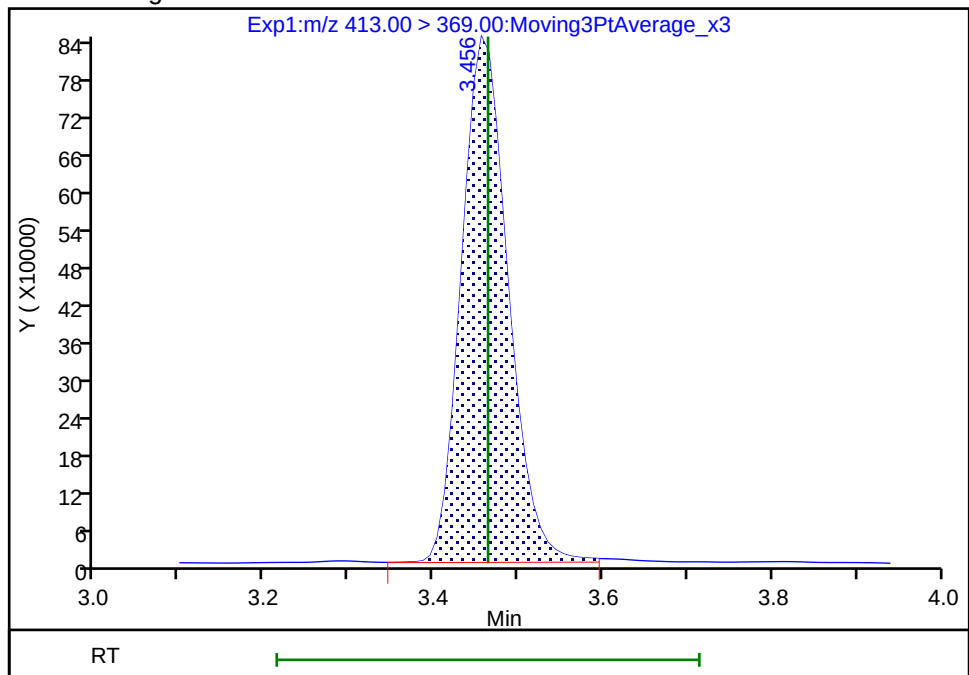
RT: 3.46
Area: 3221484
Amount: 1.991397
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 3206208
Amount: 1.981954
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:43:59

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

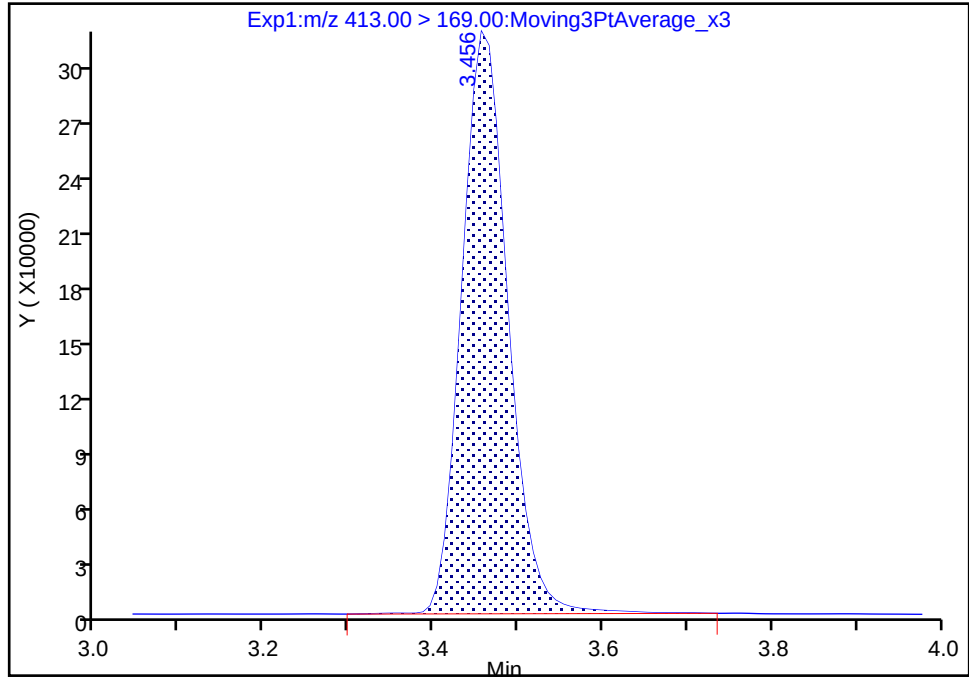
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A21.d
Injection Date: 09-Aug-2022 18:34:48 Instrument ID: LC812
Lims ID: 200-64441-A-11-C MSD
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 21
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

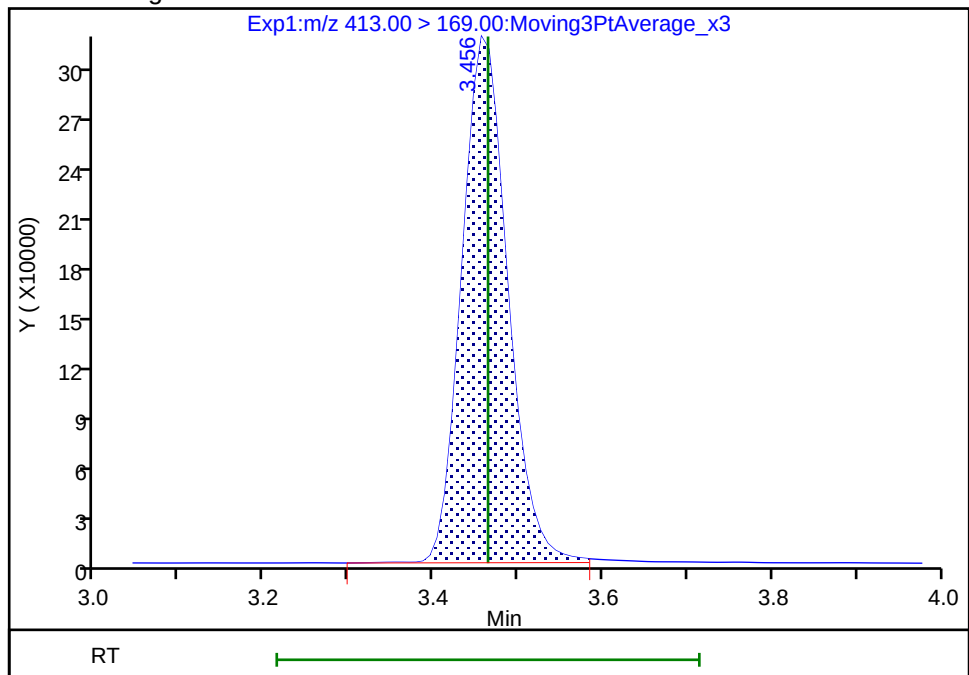
RT: 3.46
Area: 1183666
Amount: 1.991397
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 1177054
Amount: 1.981954
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:44:10

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

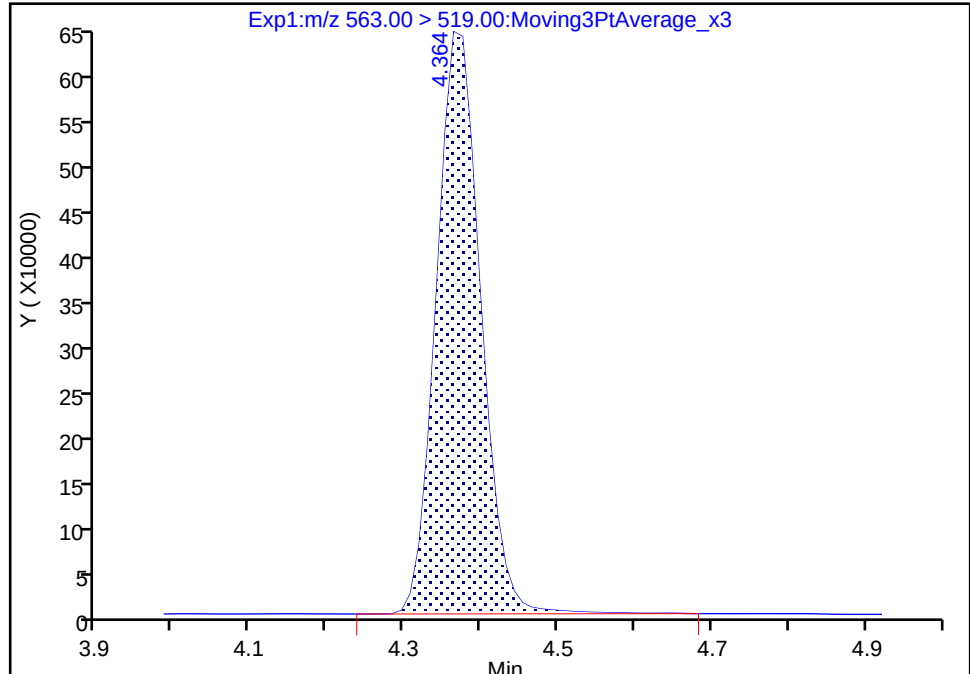
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A21.d
Injection Date: 09-Aug-2022 18:34:48 Instrument ID: LC812
Lims ID: 200-64441-A-11-C MSD
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 21
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

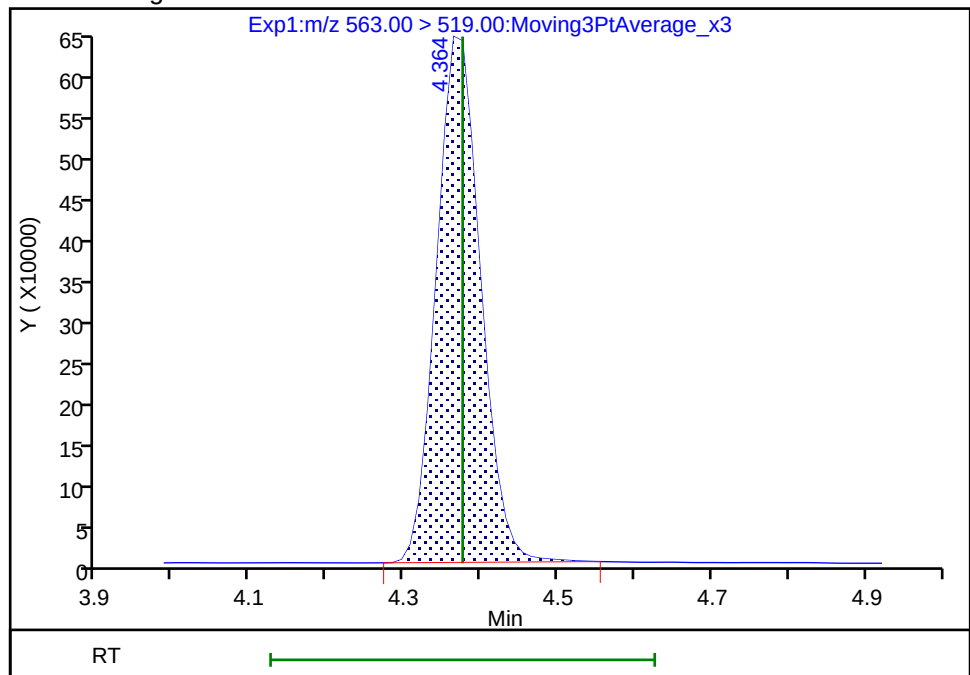
RT: 4.36
Area: 2562175
Amount: 2.037818
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 2545073
Amount: 2.045284
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:44:48

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

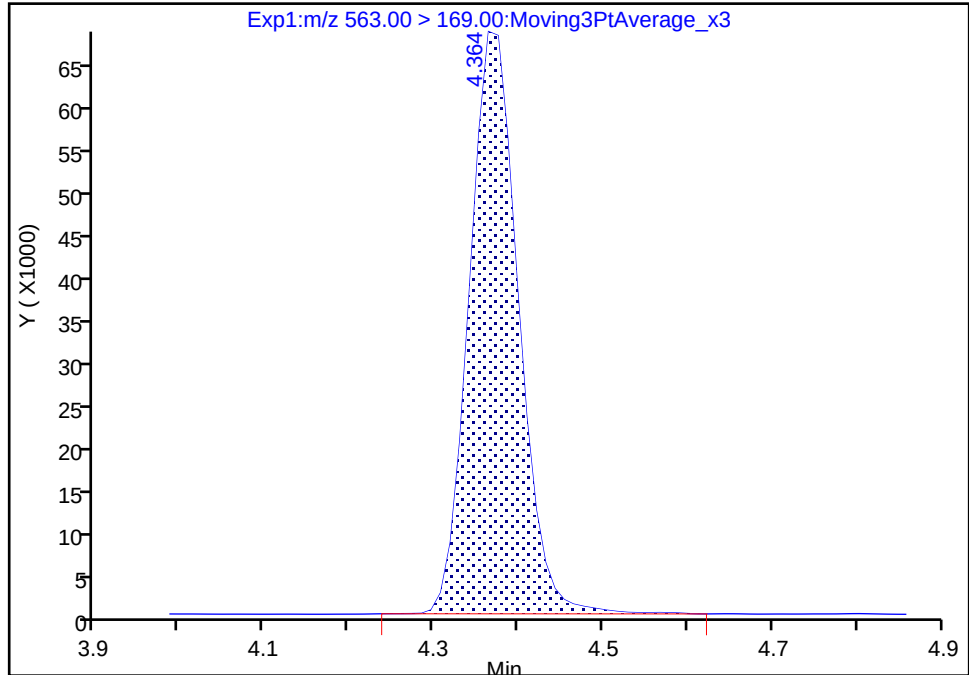
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A21.d
Injection Date: 09-Aug-2022 18:34:48 Instrument ID: LC812
Lims ID: 200-64441-A-11-C MSD
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 21
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

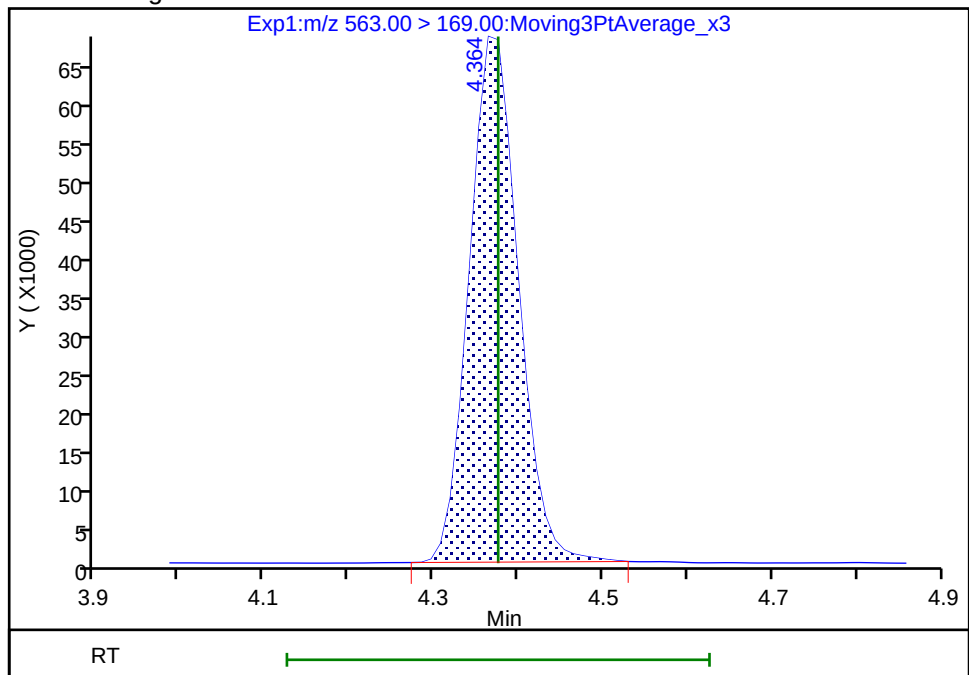
RT: 4.36
Area: 278126
Amount: 2.037818
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 276041
Amount: 2.045284
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:44:52

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

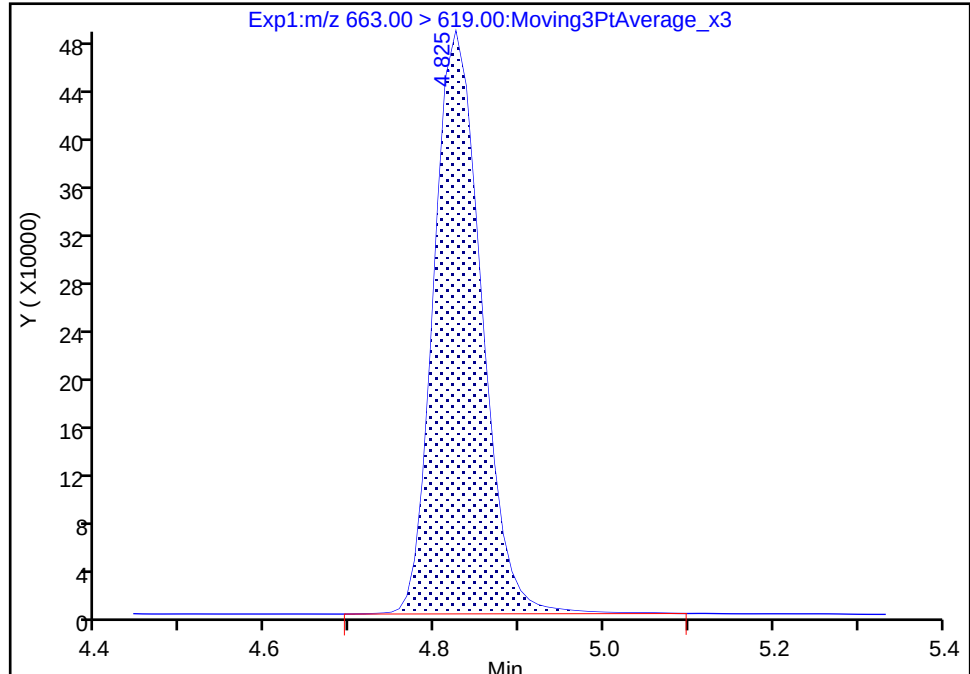
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A21.d
Injection Date: 09-Aug-2022 18:34:48 Instrument ID: LC812
Lims ID: 200-64441-A-11-C MSD
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 21
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

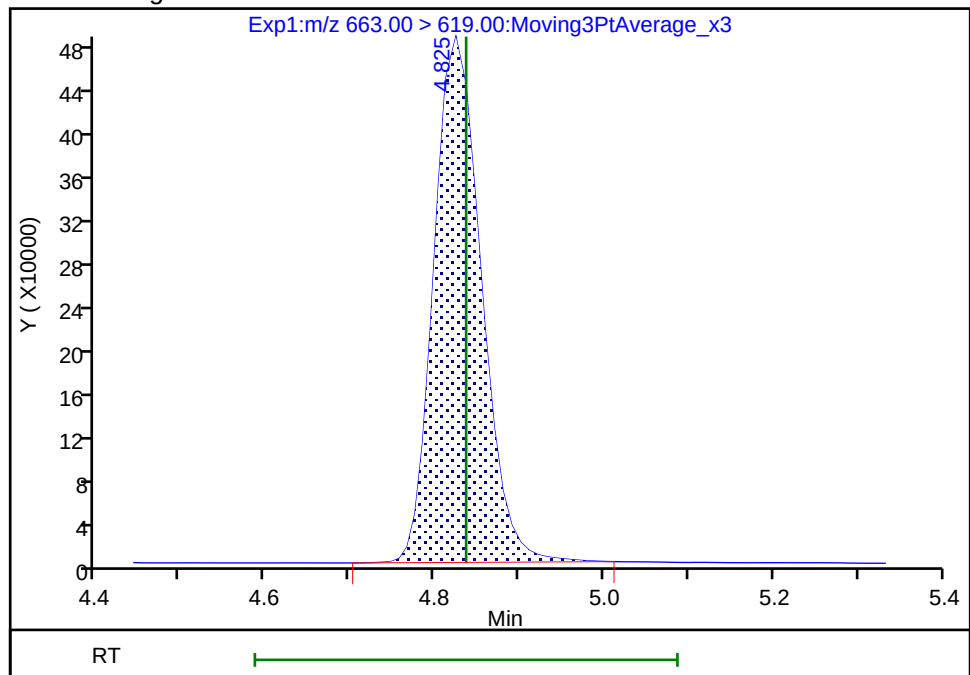
RT: 4.82
Area: 1912294
Amount: 1.824195
Amount Units: ng/ml

Processing Integration Results



RT: 4.82
Area: 1901656
Amount: 1.814047
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:45:16

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

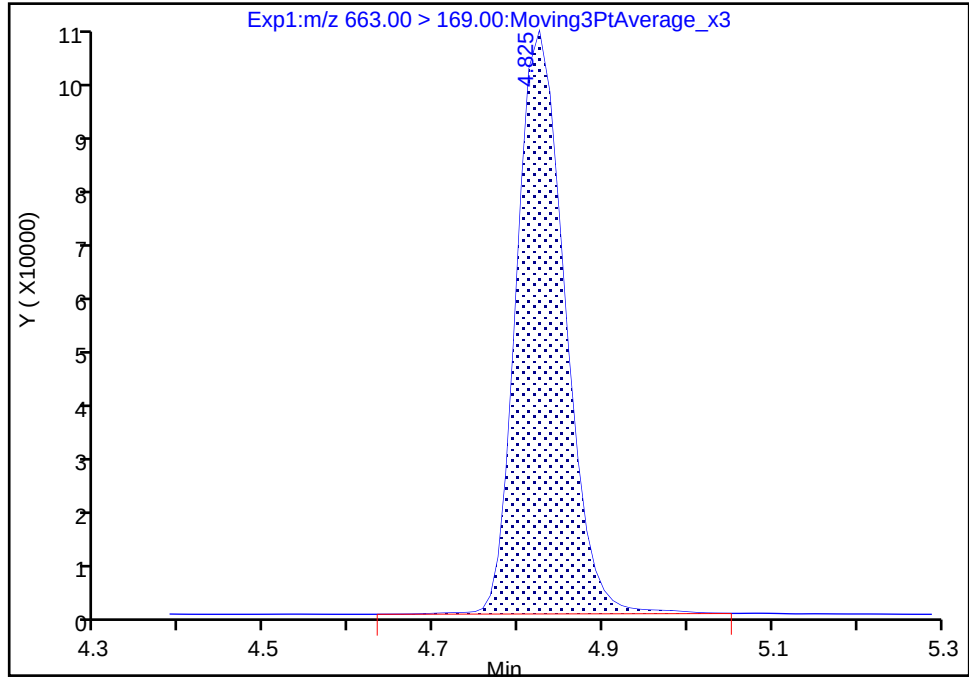
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A21.d
Injection Date: 09-Aug-2022 18:34:48 Instrument ID: LC812
Lims ID: 200-64441-A-11-C MSD
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 21
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

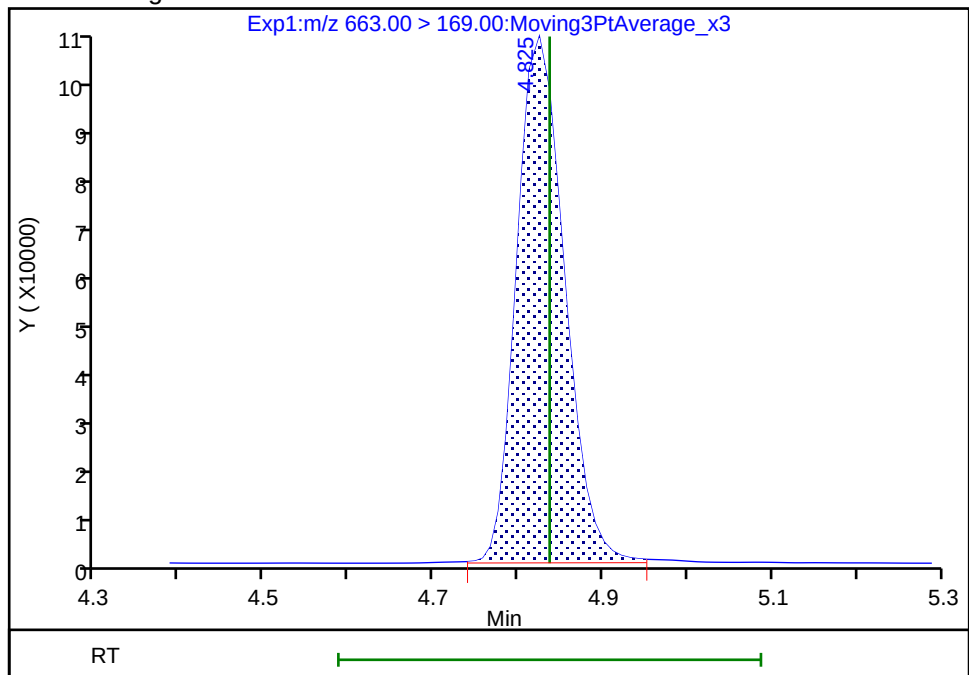
RT: 4.82
Area: 424286
Amount: 1.824195
Amount Units: ng/ml

Processing Integration Results



RT: 4.82
Area: 421859
Amount: 1.814047
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:45:27

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

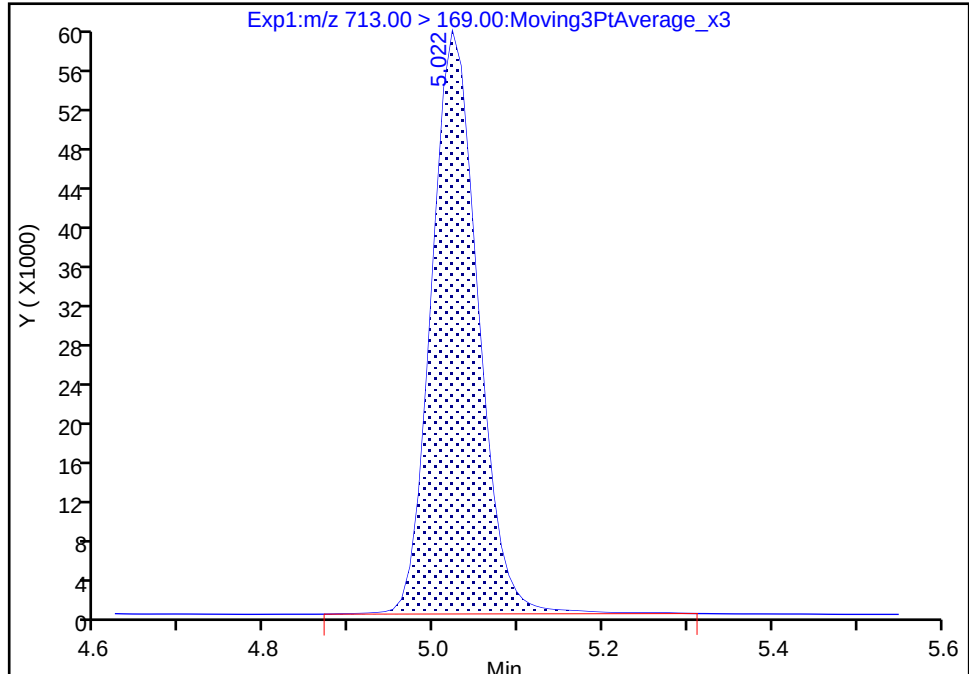
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A21.d
Injection Date: 09-Aug-2022 18:34:48 Instrument ID: LC812
Lims ID: 200-64441-A-11-C MSD
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 21
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

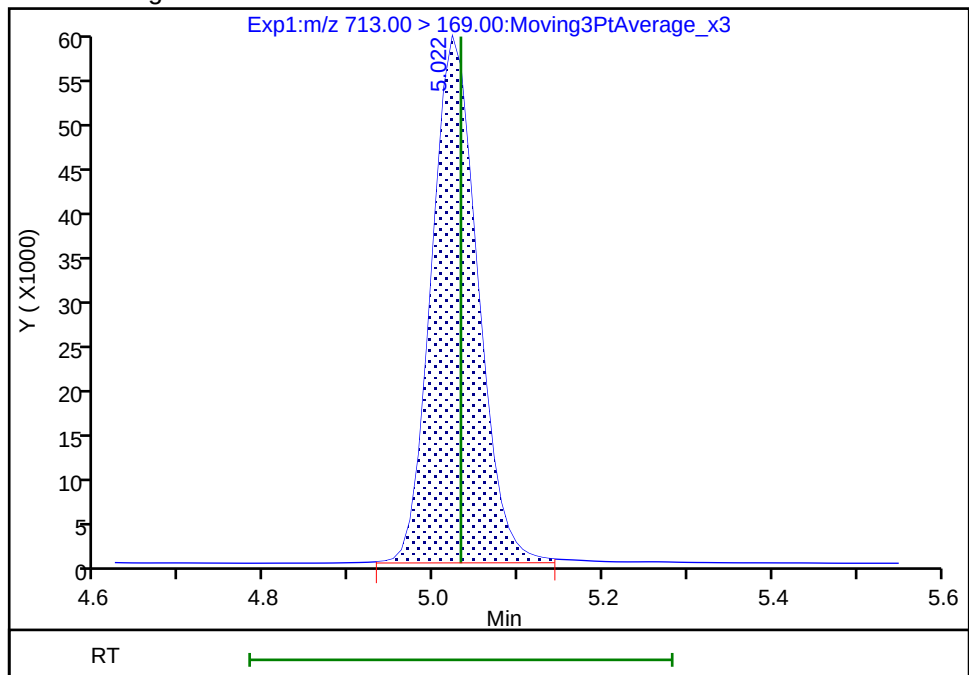
RT: 5.02
Area: 227925
Amount: 1.891019
Amount Units: ng/ml

Processing Integration Results



RT: 5.02
Area: 226359
Amount: 1.896830
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:45:36

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

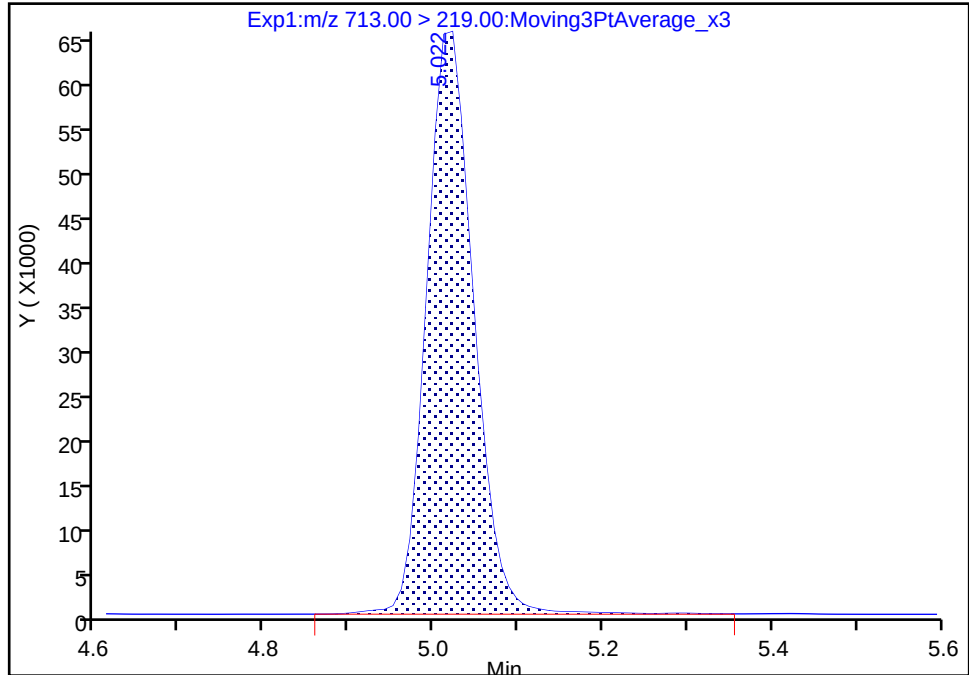
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A21.d
Injection Date: 09-Aug-2022 18:34:48 Instrument ID: LC812
Lims ID: 200-64441-A-11-C MSD
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 21
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

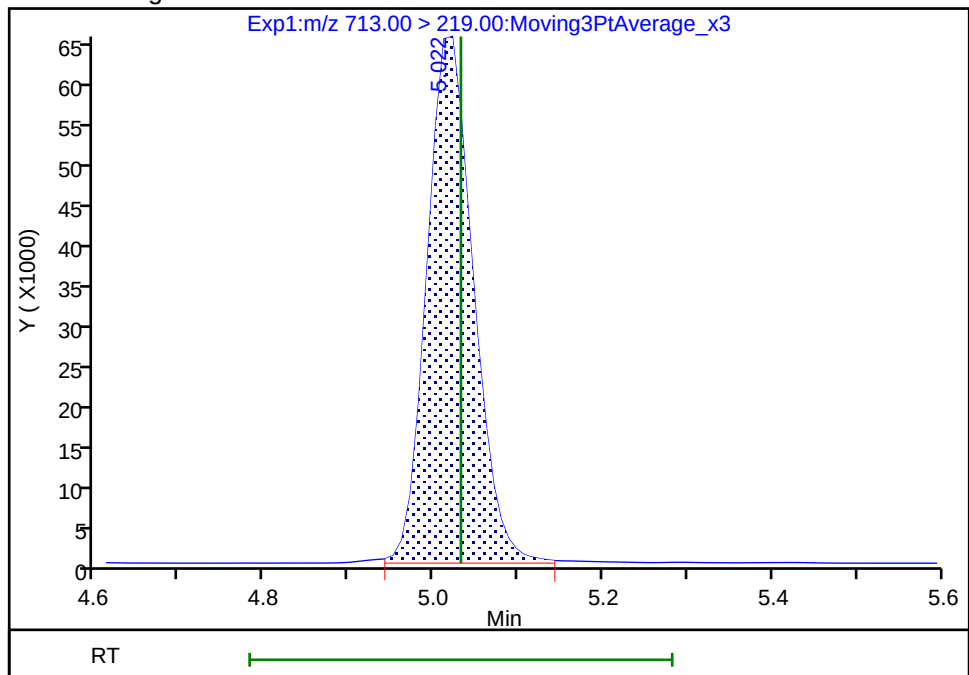
RT: 5.02
Area: 252153
Amount: 1.891019
Amount Units: ng/ml

Processing Integration Results



RT: 5.02
Area: 249688
Amount: 1.896830
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:45:40

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

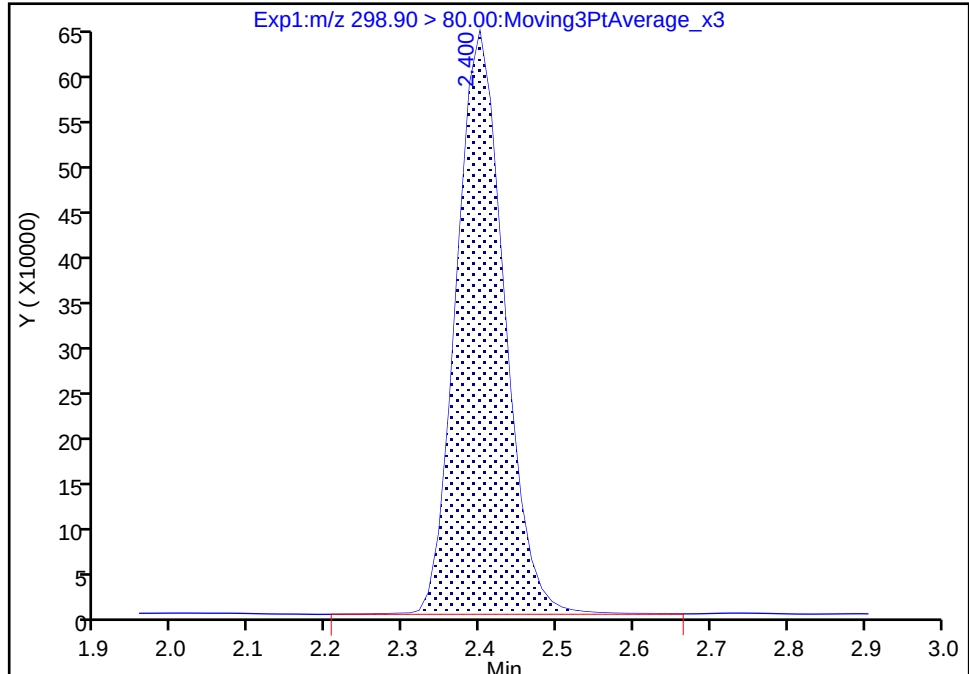
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A21.d
Injection Date: 09-Aug-2022 18:34:48 Instrument ID: LC812
Lims ID: 200-64441-A-11-C MSD
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 21
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

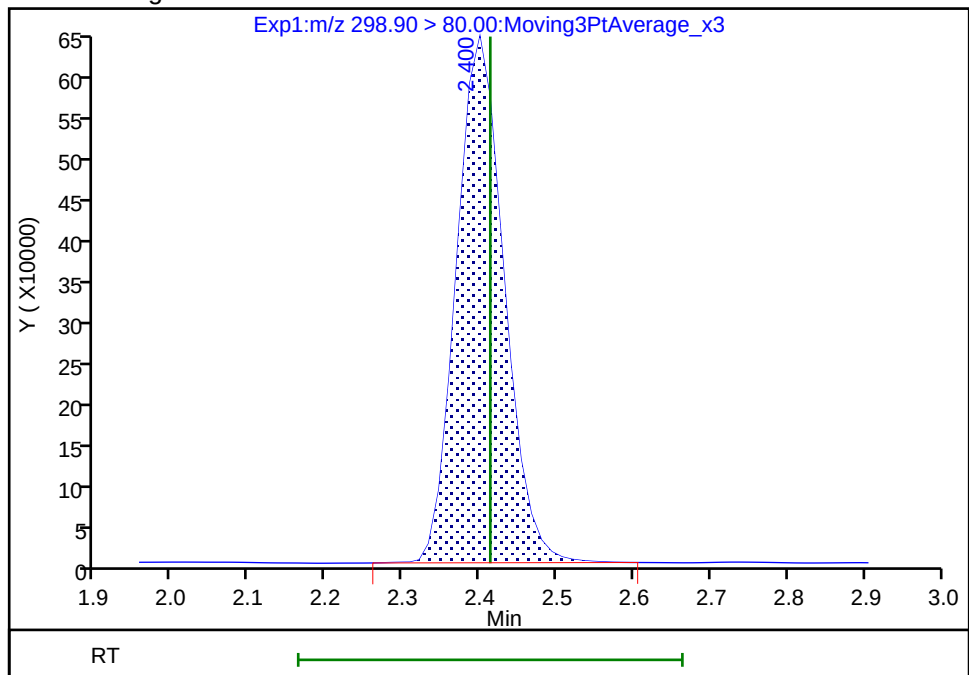
RT: 2.40
Area: 2787068
Amount: 1.719143
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 2774405
Amount: 1.711332
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:42:11

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

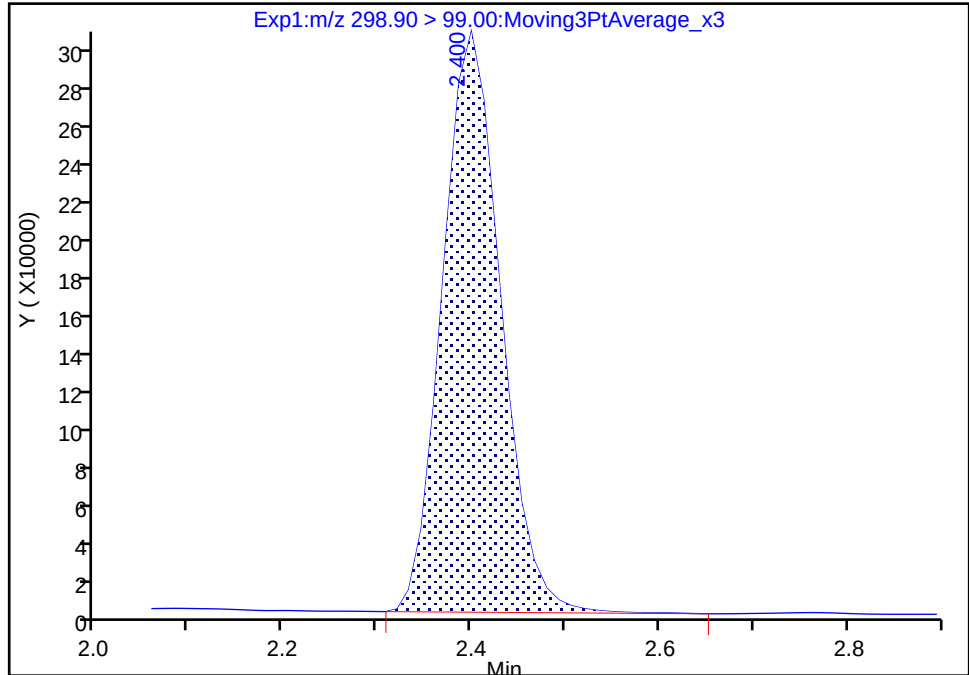
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A21.d
Injection Date: 09-Aug-2022 18:34:48 Instrument ID: LC812
Lims ID: 200-64441-A-11-C MSD
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 21
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

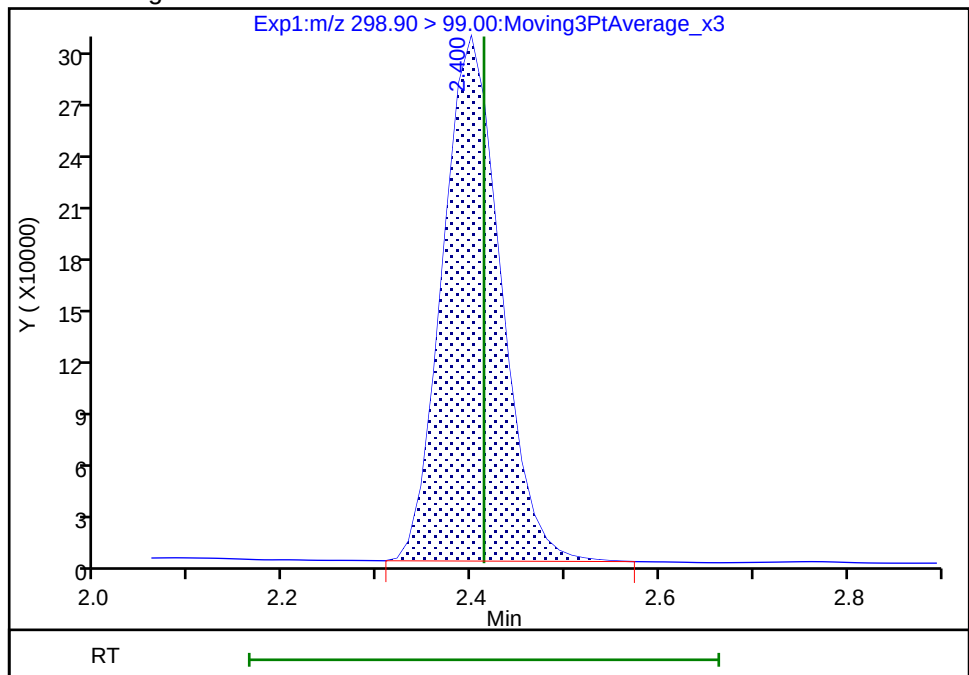
RT: 2.40
Area: 1298252
Amount: 1.719143
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 1294146
Amount: 1.711332
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:42:16

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

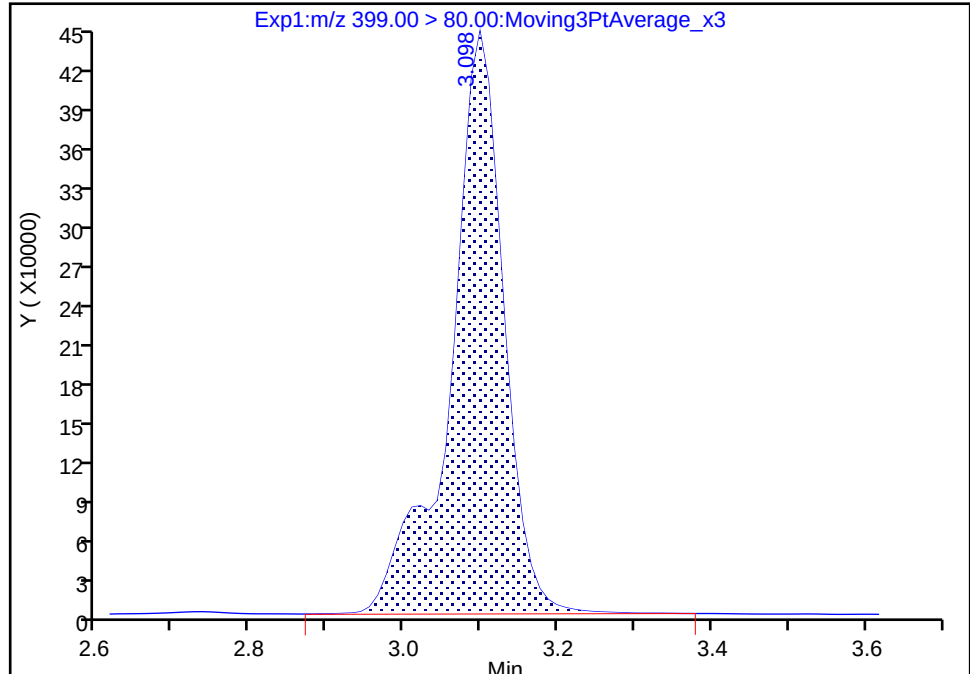
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A21.d
Injection Date: 09-Aug-2022 18:34:48 Instrument ID: LC812
Lims ID: 200-64441-A-11-C MSD
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 21
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

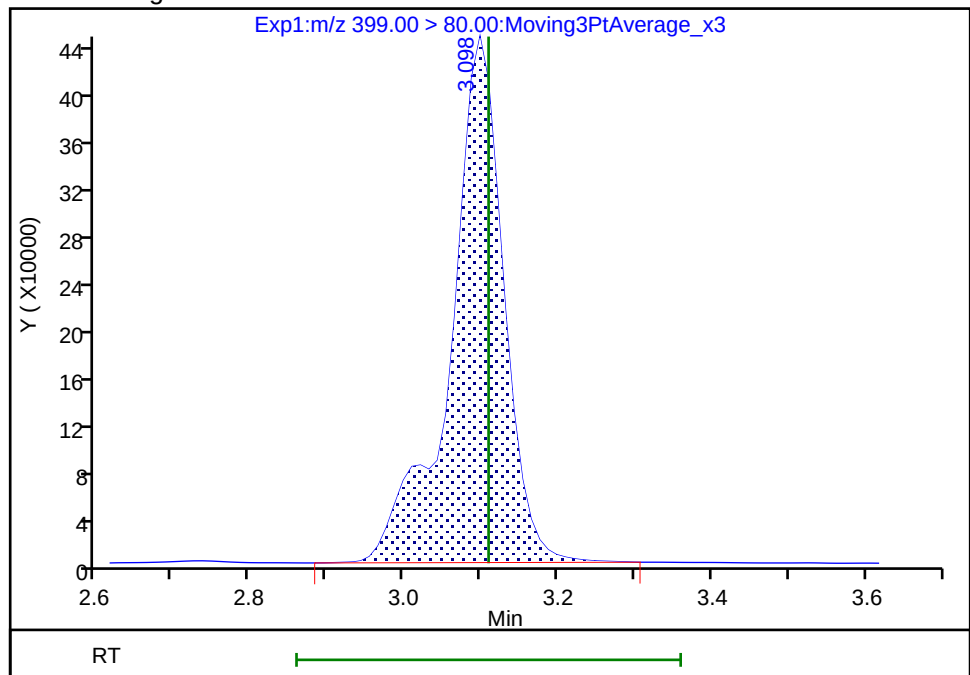
RT: 3.10
Area: 2130349
Amount: 1.712152
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 2122934
Amount: 1.720025
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:42:53

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

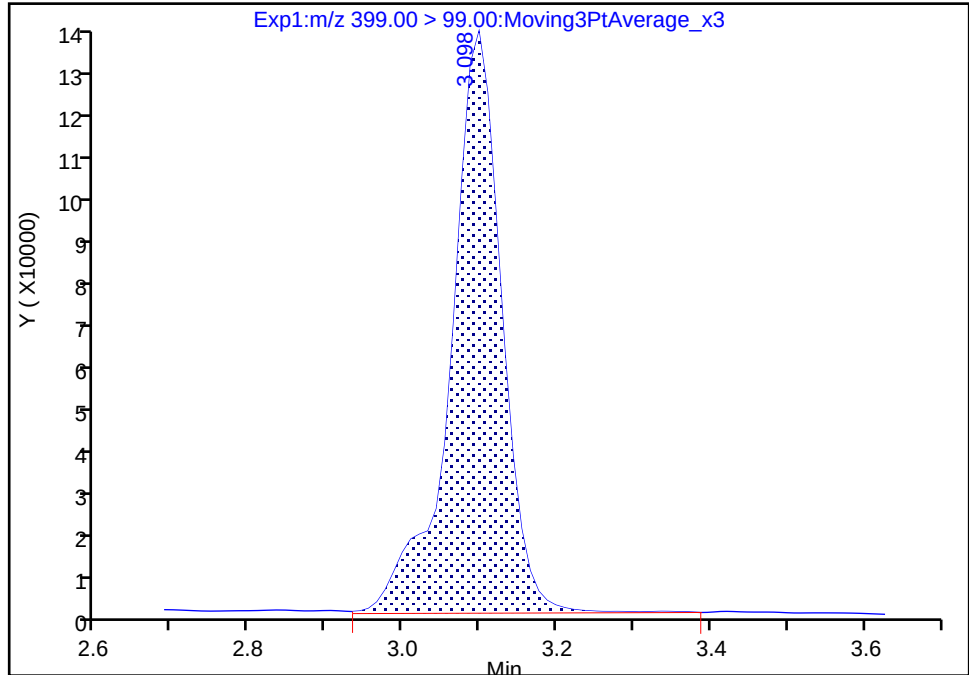
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A21.d
Injection Date: 09-Aug-2022 18:34:48 Instrument ID: LC812
Lims ID: 200-64441-A-11-C MSD
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 21
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

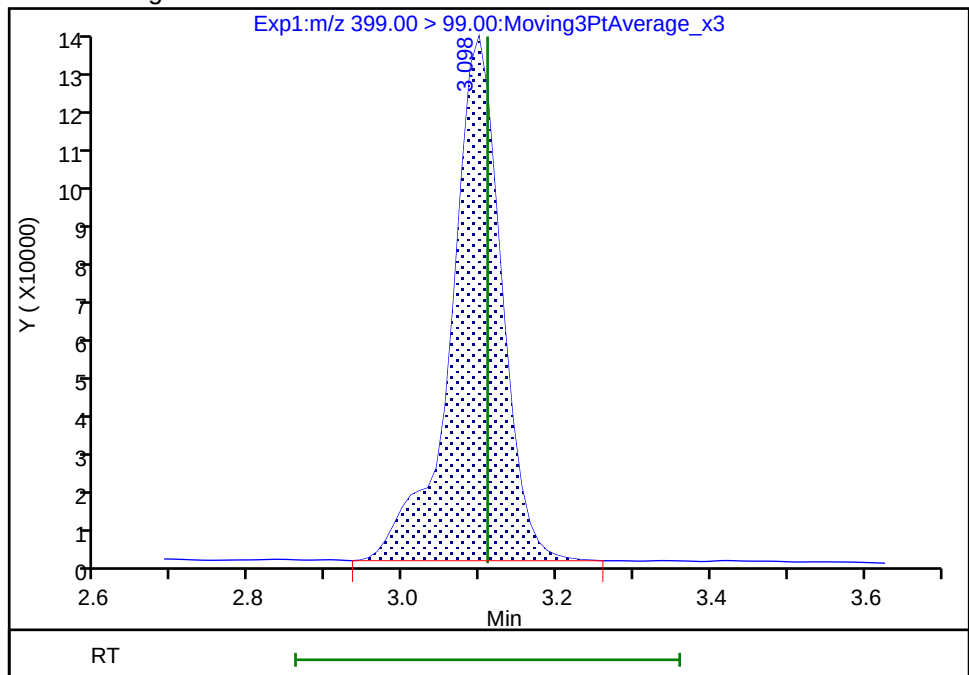
RT: 3.10
Area: 638551
Amount: 1.712152
Amount Units: ng/ml

Processing Integration Results



Manual Integration Results

RT: 3.10
Area: 629356
Amount: 1.720025
Amount Units: ng/ml



Reviewer: khanphomeea, 10-Aug-2022 10:42:59

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

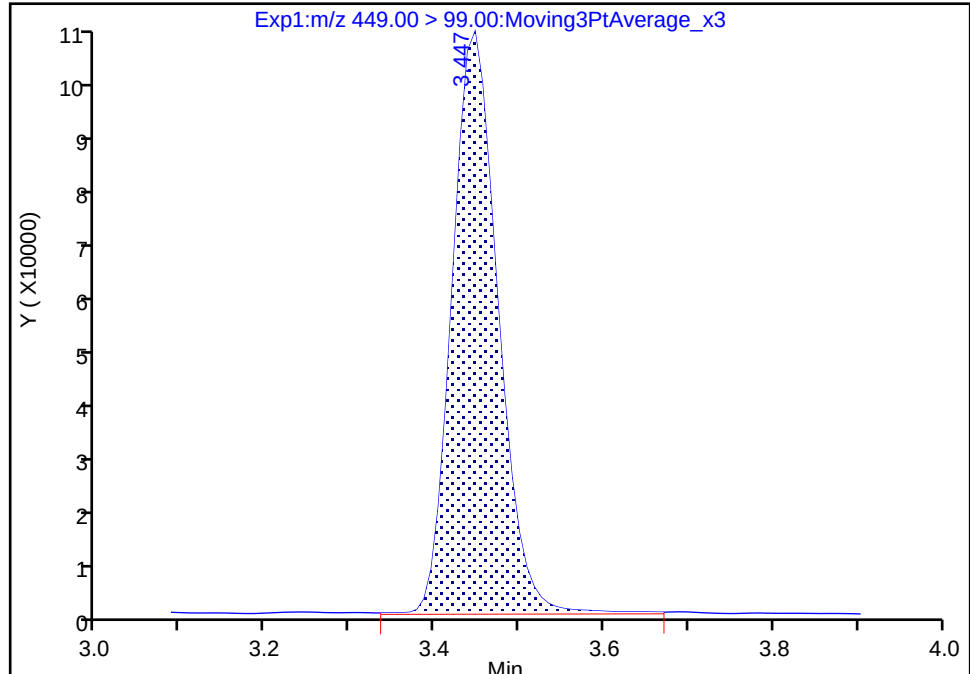
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A21.d
Injection Date: 09-Aug-2022 18:34:48 Instrument ID: LC812
Lims ID: 200-64441-A-11-C MSD
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 21
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

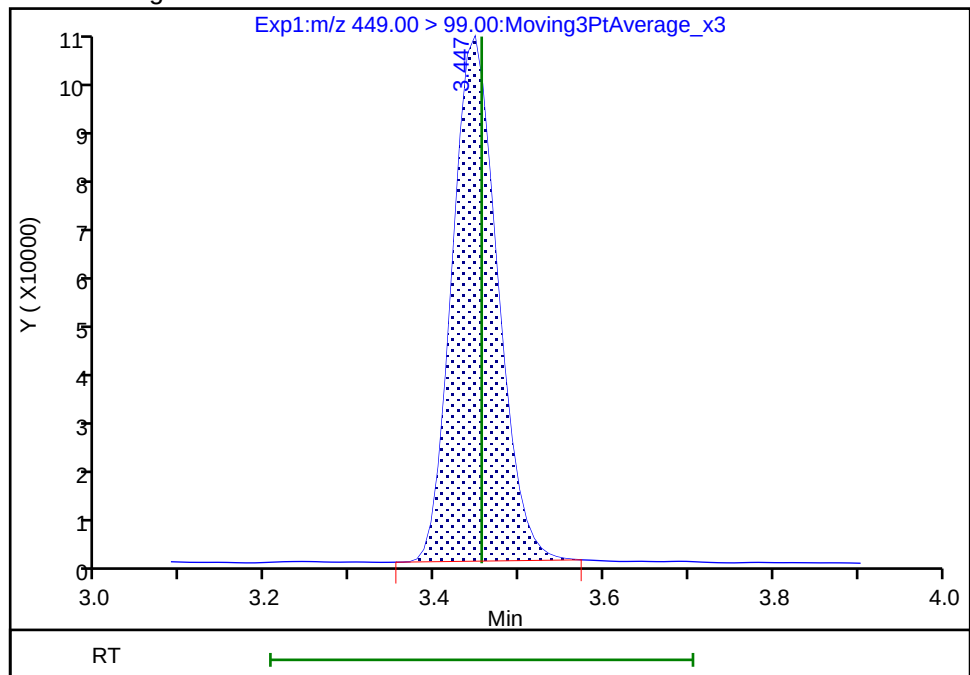
RT: 3.45
Area: 380771
Amount: 1.792227
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 372011
Amount: 1.792227
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:43:52

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

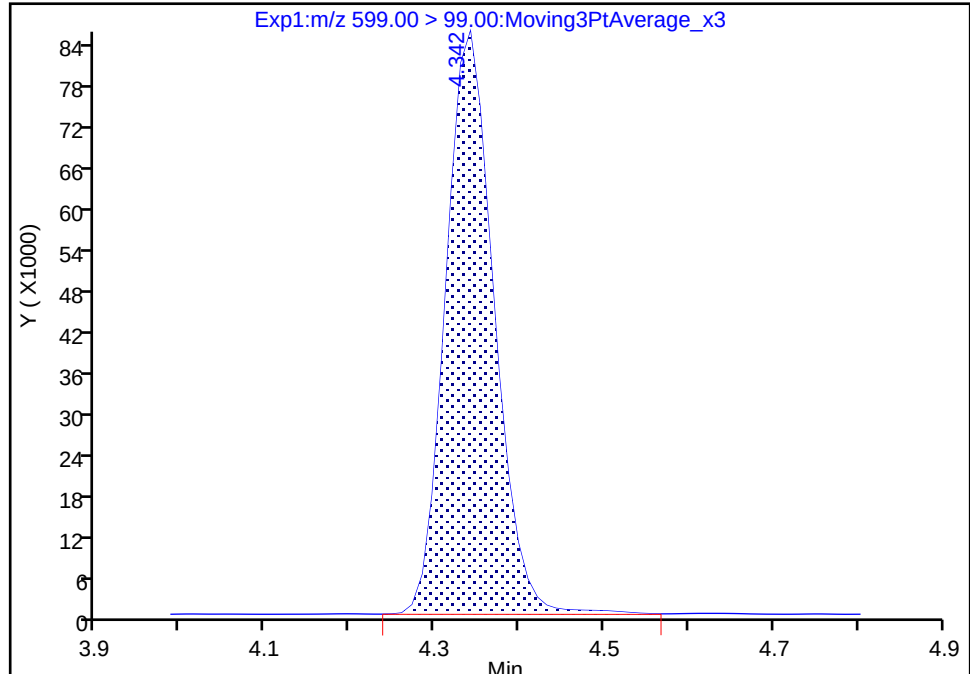
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A21.d
Injection Date: 09-Aug-2022 18:34:48 Instrument ID: LC812
Lims ID: 200-64441-A-11-C MSD
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 21
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

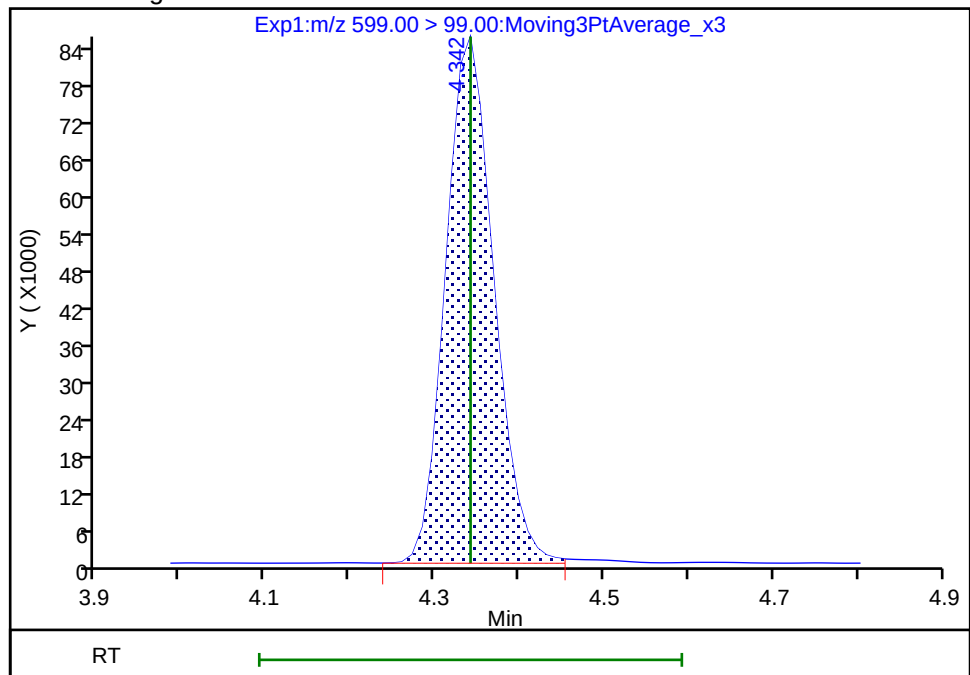
RT: 4.34
Area: 341157
Amount: 1.796951
Amount Units: ng/ml

Processing Integration Results



RT: 4.34
Area: 338477
Amount: 1.796951
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:44:42

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

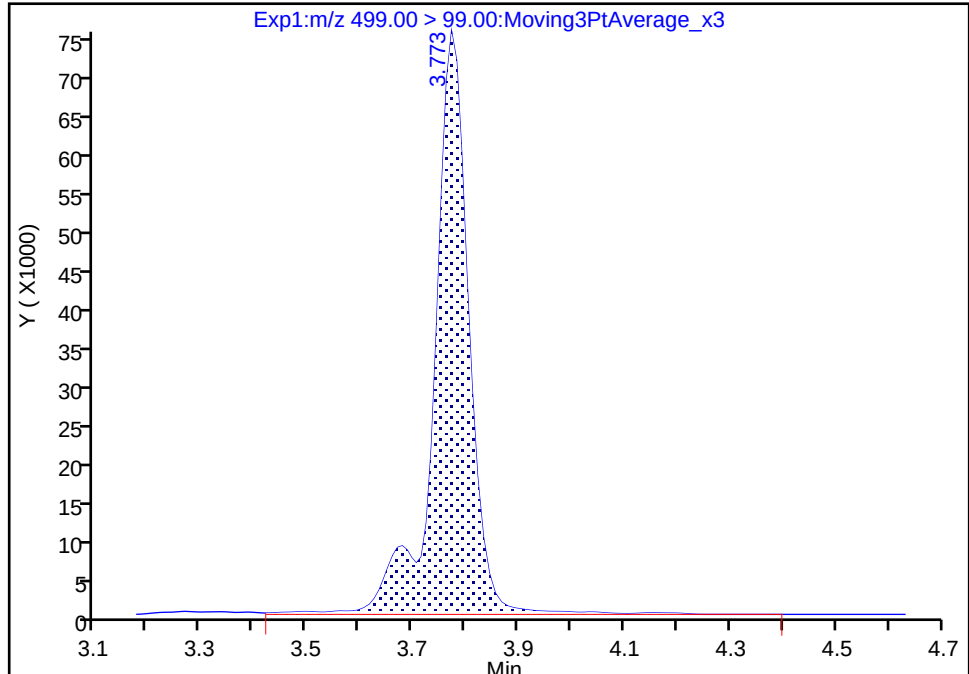
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A21.d
Injection Date: 09-Aug-2022 18:34:48 Instrument ID: LC812
Lims ID: 200-64441-A-11-C MSD
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 21
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

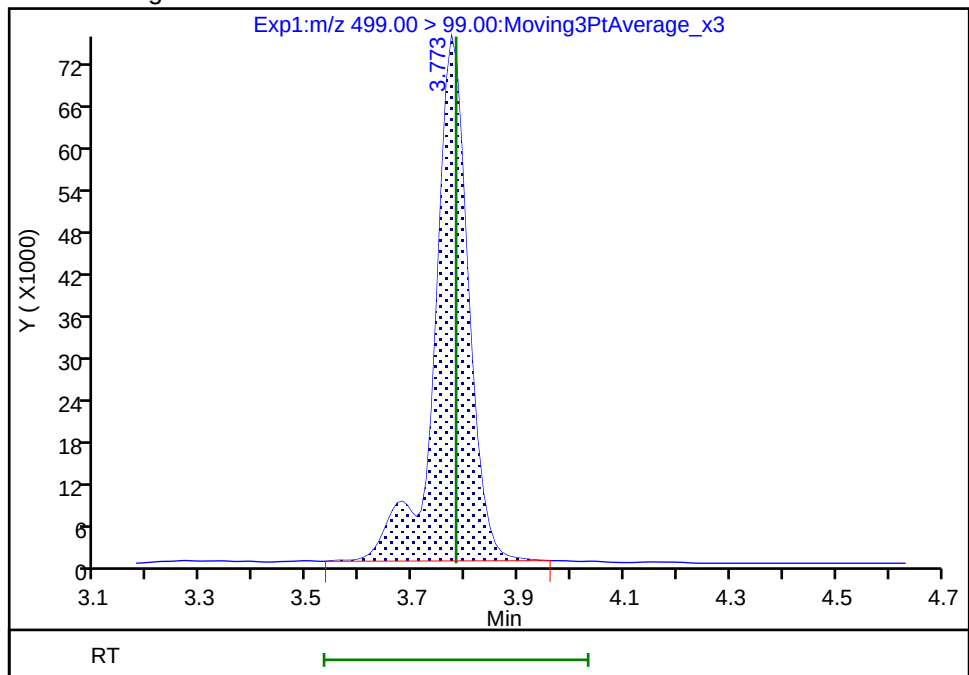
RT: 3.77
Area: 349835
Amount: 1.885016
Amount Units: ng/ml

Processing Integration Results



RT: 3.77
Area: 336324
Amount: 1.842249
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:44:24

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

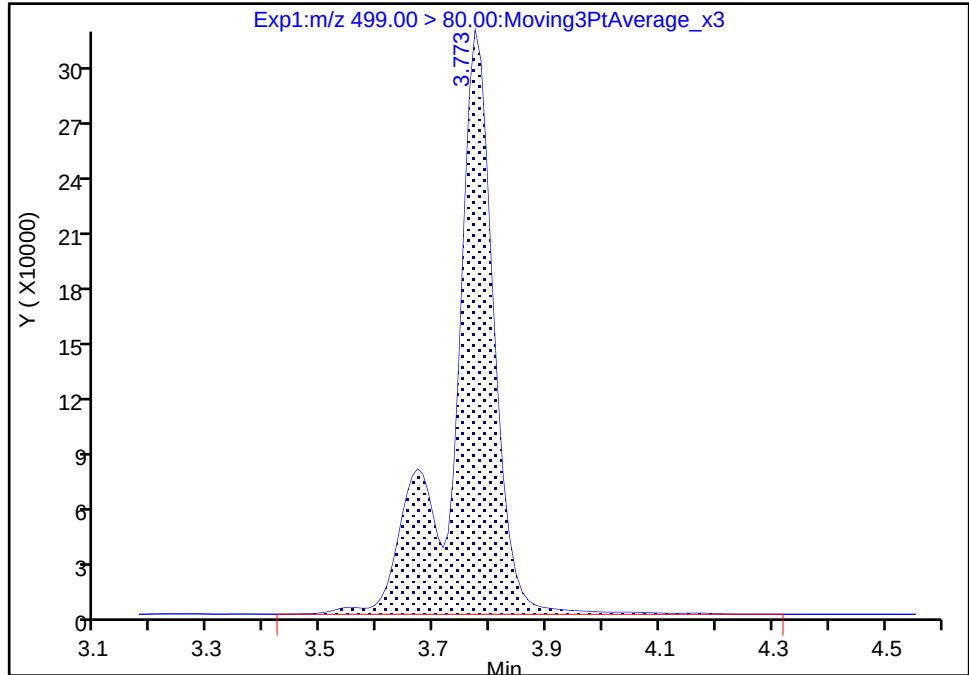
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A21.d
Injection Date: 09-Aug-2022 18:34:48 Instrument ID: LC812
Lims ID: 200-64441-A-11-C MSD
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 21
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

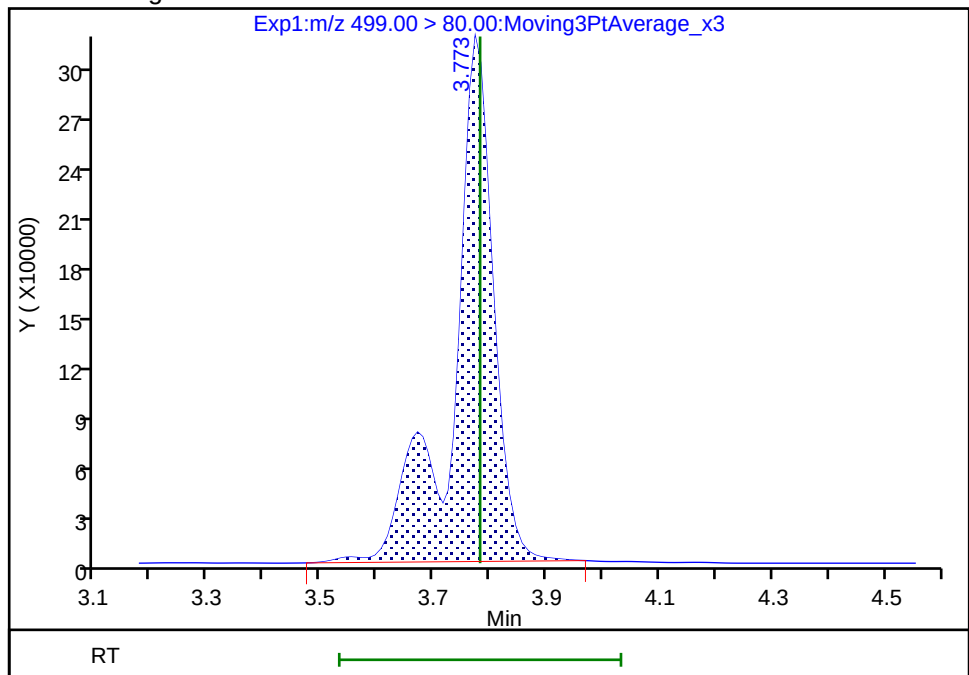
RT: 3.77
Area: 1583005
Amount: 1.885016
Amount Units: ng/ml

Processing Integration Results



RT: 3.77
Area: 1547438
Amount: 1.842249
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 09:19:57

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

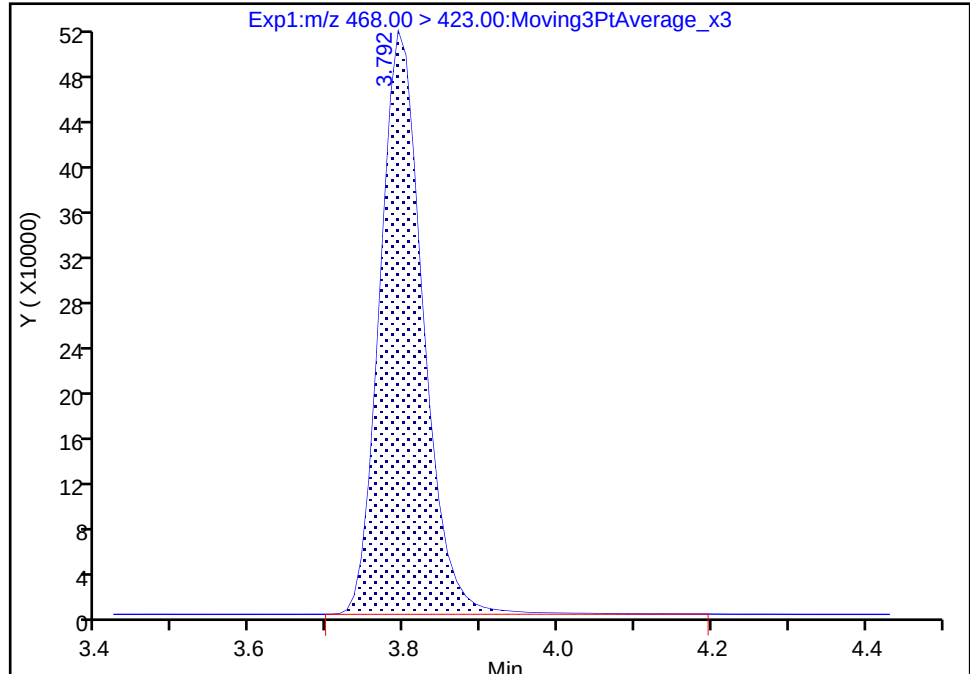
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A21.d
Injection Date: 09-Aug-2022 18:34:48 Instrument ID: LC812
Lims ID: 200-64441-A-11-C MSD
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 21
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 19 13C5 PFNA, CAS: STL00995

Signal: 1

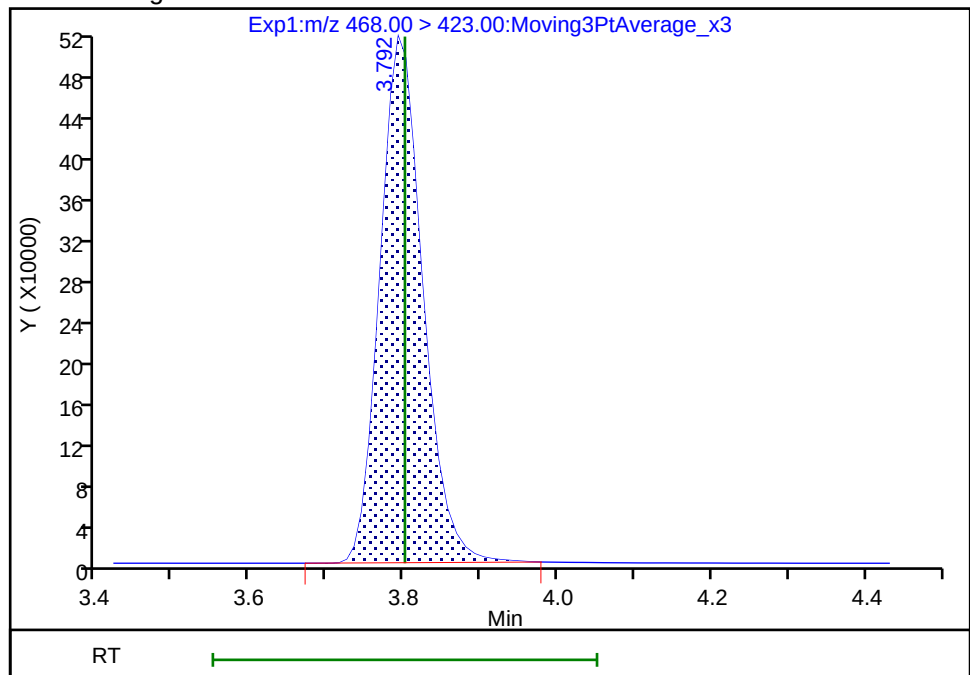
RT: 3.79
Area: 2008153
Amount: 1.339575
Amount Units: ng/ml

Processing Integration Results



RT: 3.79
Area: 1993663
Amount: 1.329909
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 09:20:04
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1610 of 1695

08/18/2022

Eurofins Burlington

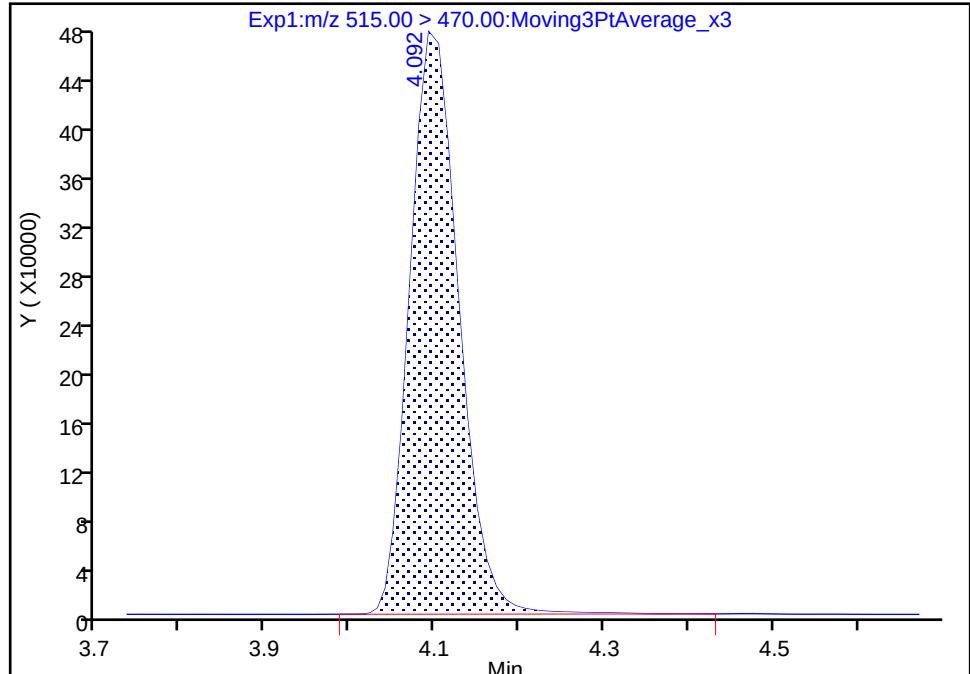
Data File:	\\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A21.d		
Injection Date:	09-Aug-2022 18:34:48	Instrument ID:	LC812
Lims ID:	200-64441-A-11-C MSD		
Client ID:	SP-02		
Operator ID:	lc812tech	ALS Bottle#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	21

D 23 13C2 PFDA, CAS: STL00996

Signal: 1

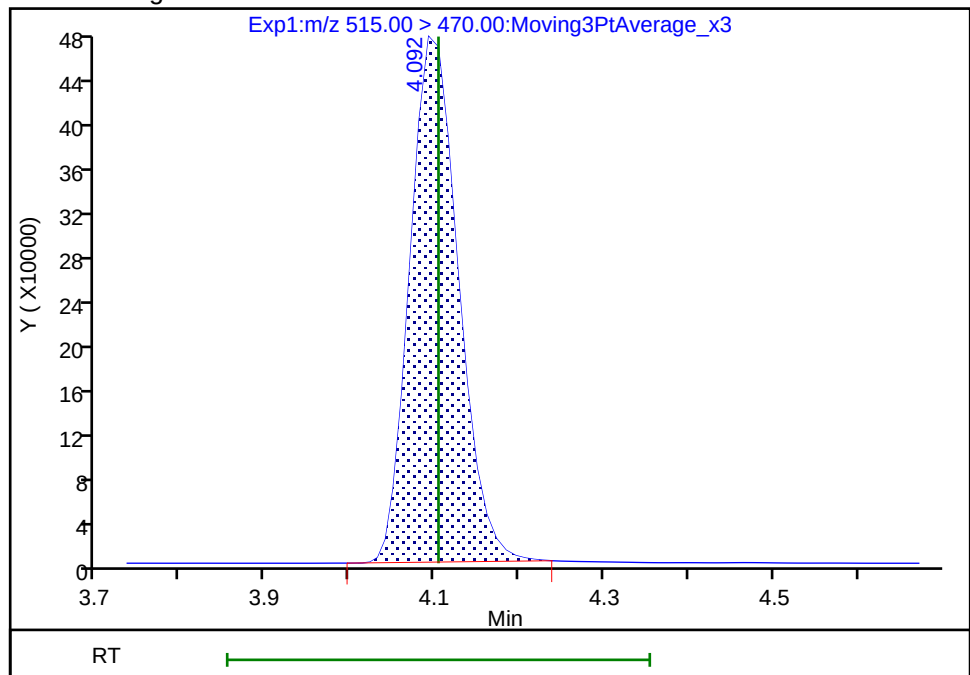
RT: 4.09
Area: 1905993
Amount: 1.306394
Amount Units: ng/ml

Processing Integration Results



RT: 4.09
Area: 1883981
Amount: 1.291306
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 09:20:14

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

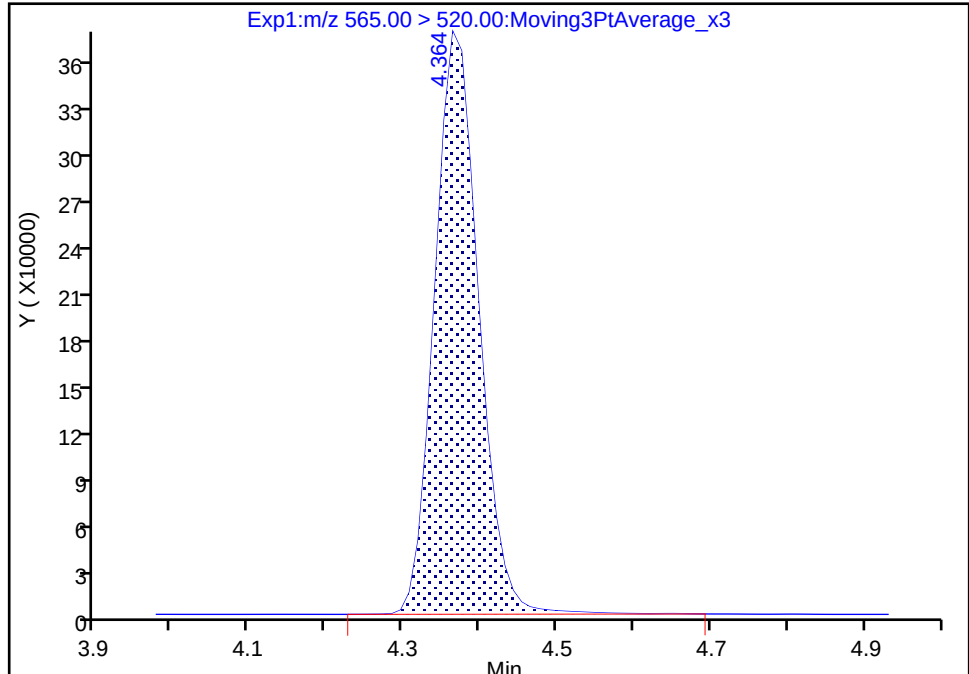
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A21.d
Injection Date: 09-Aug-2022 18:34:48 Instrument ID: LC812
Lims ID: 200-64441-A-11-C MSD
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 21
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

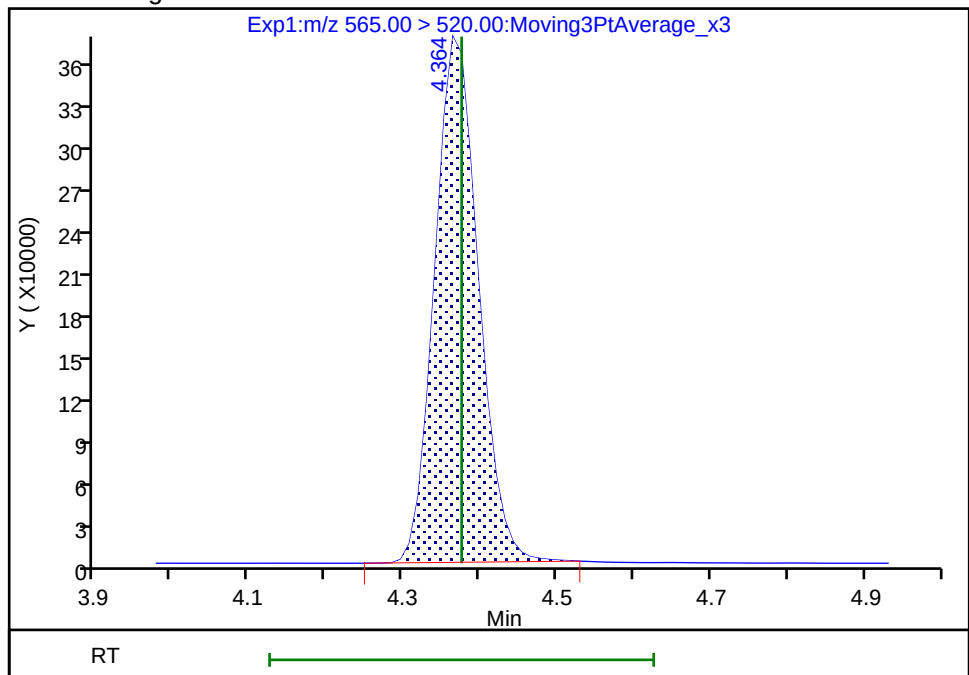
RT: 4.36
Area: 1483467
Amount: 1.341981
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 1468186
Amount: 1.328158
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 09:21:20
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

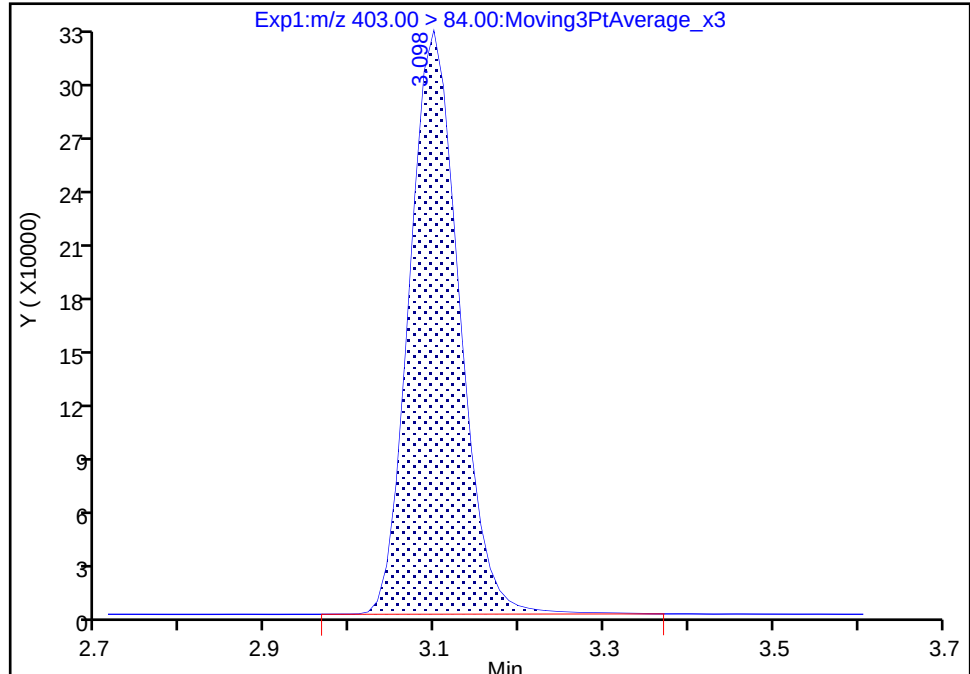
Data File:	\\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A21.d		
Injection Date:	09-Aug-2022 18:34:48	Instrument ID:	LC812
Lims ID:	200-64441-A-11-C MSD		
Client ID:	SP-02		
Operator ID:	lc812tech	ALS Bottle#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	21

D 11 18O2 PFHxS, CAS: STL00994

Signal: 1

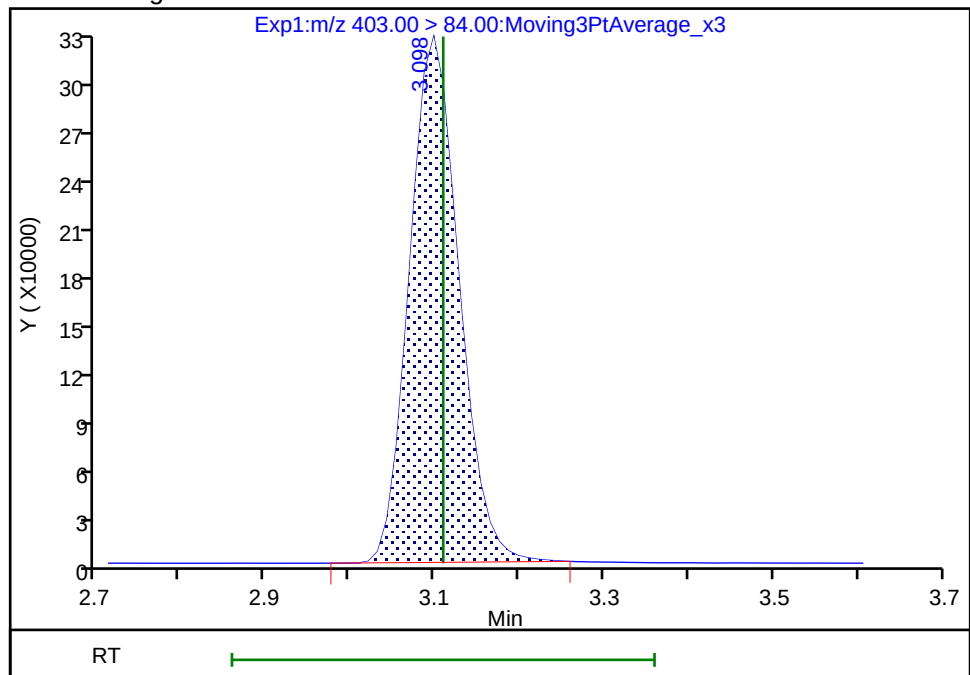
RT: 3.10
Area: 1334005
Amount: 1.204638
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 1323277
Amount: 1.194950
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 09:19:41

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

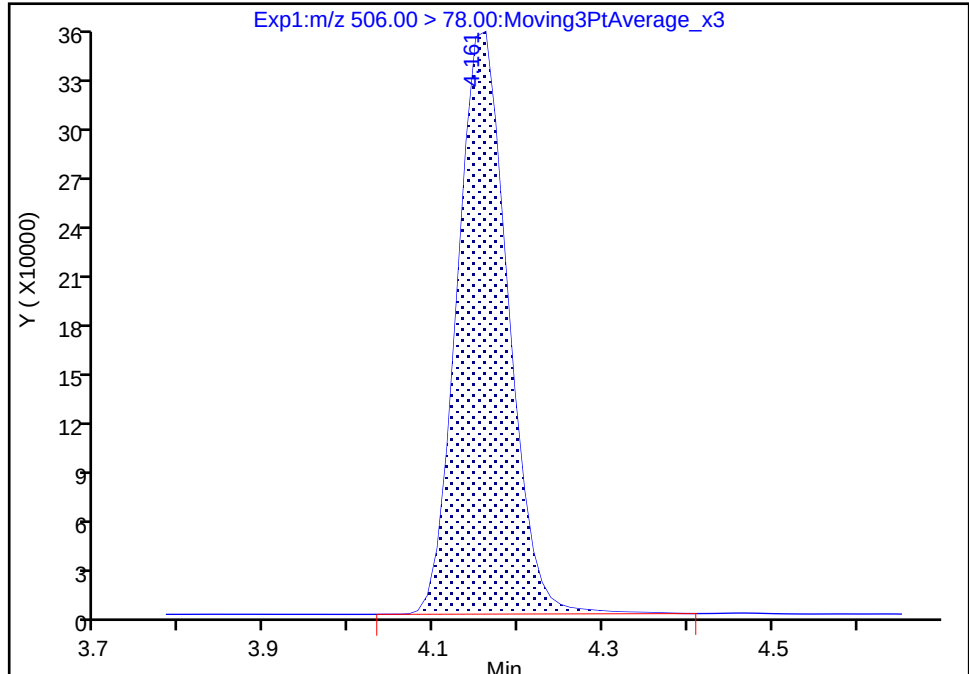
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A21.d
Injection Date: 09-Aug-2022 18:34:48 Instrument ID: LC812
Lims ID: 200-64441-A-11-C MSD
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 21
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

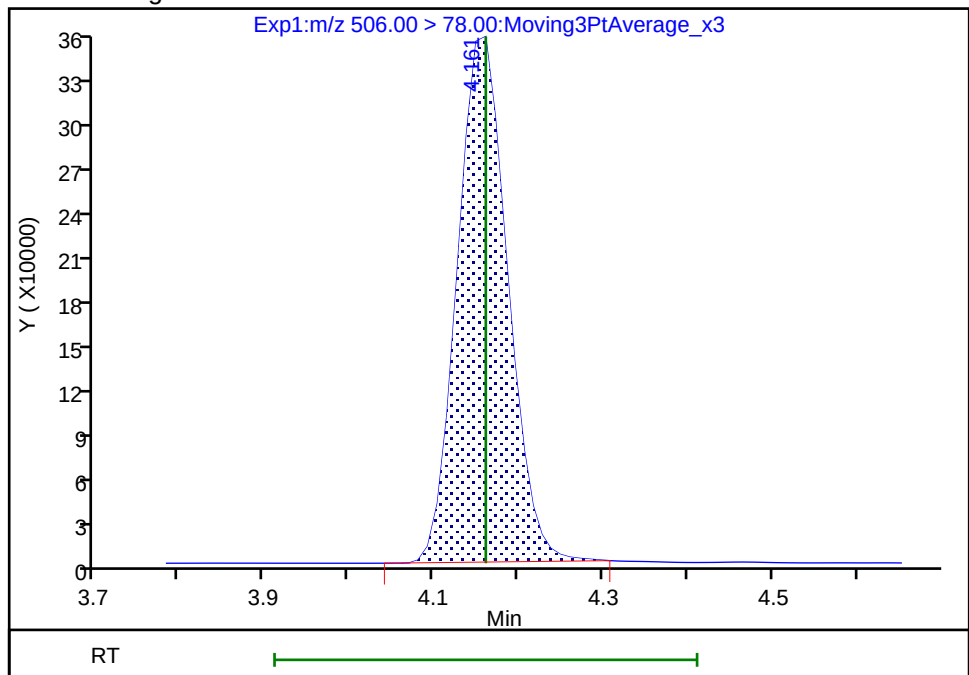
RT: 4.16
Area: 1464766
Amount: 1.147101
Amount Units: ng/ml

Processing Integration Results



RT: 4.16
Area: 1450091
Amount: 1.135608
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 09:21:00
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

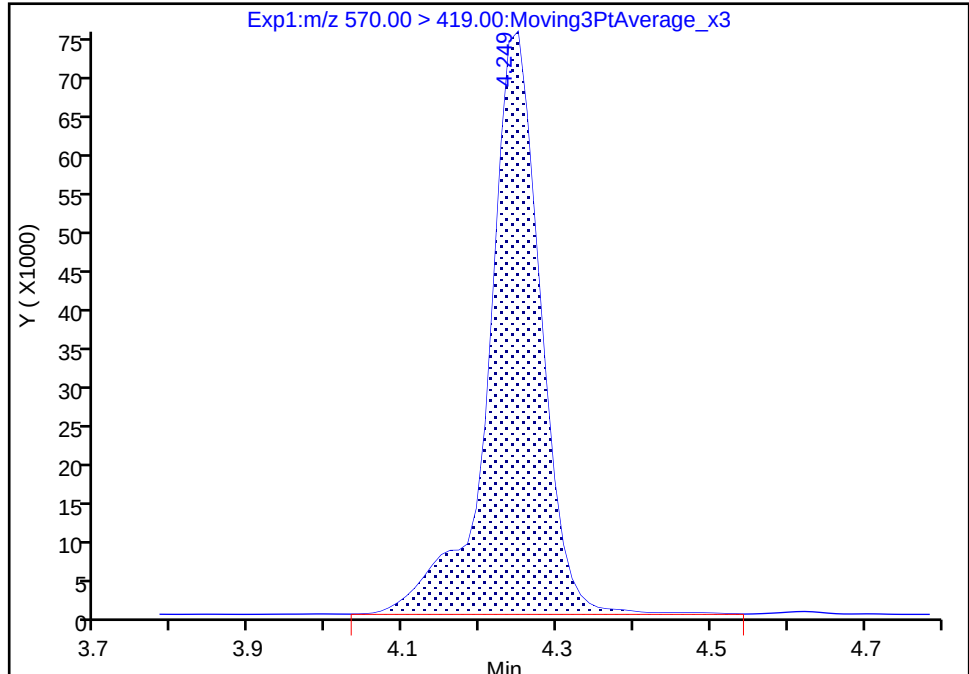
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A21.d
Injection Date: 09-Aug-2022 18:34:48 Instrument ID: LC812
Lims ID: 200-64441-A-11-C MSD
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 21
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

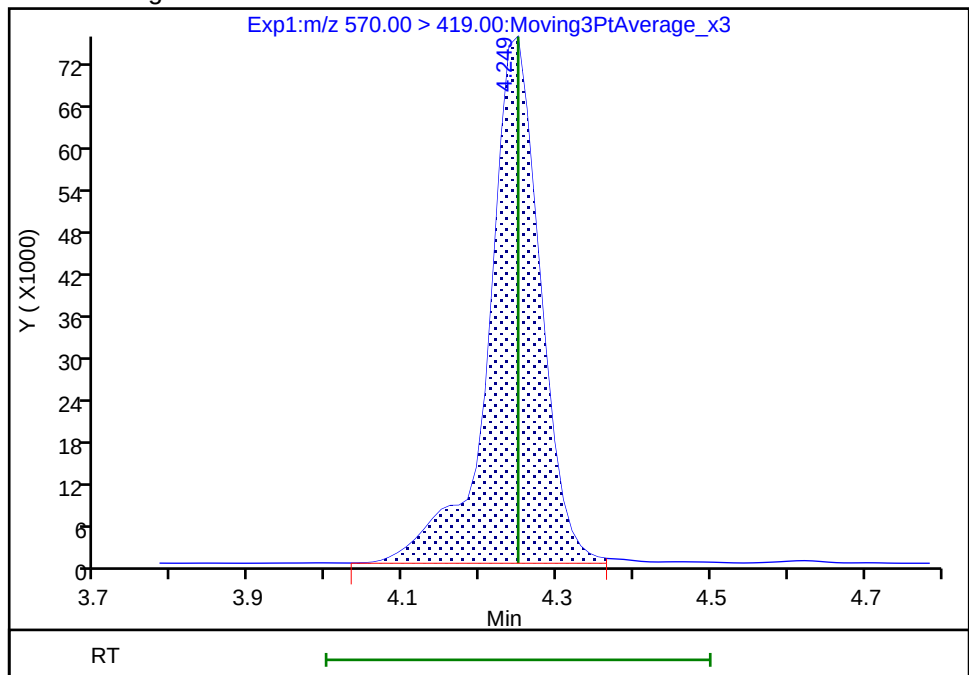
RT: 4.25
Area: 355968
Amount: 1.996725
Amount Units: ng/ml

Processing Integration Results



RT: 4.25
Area: 353291
Amount: 1.981709
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:44:37

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

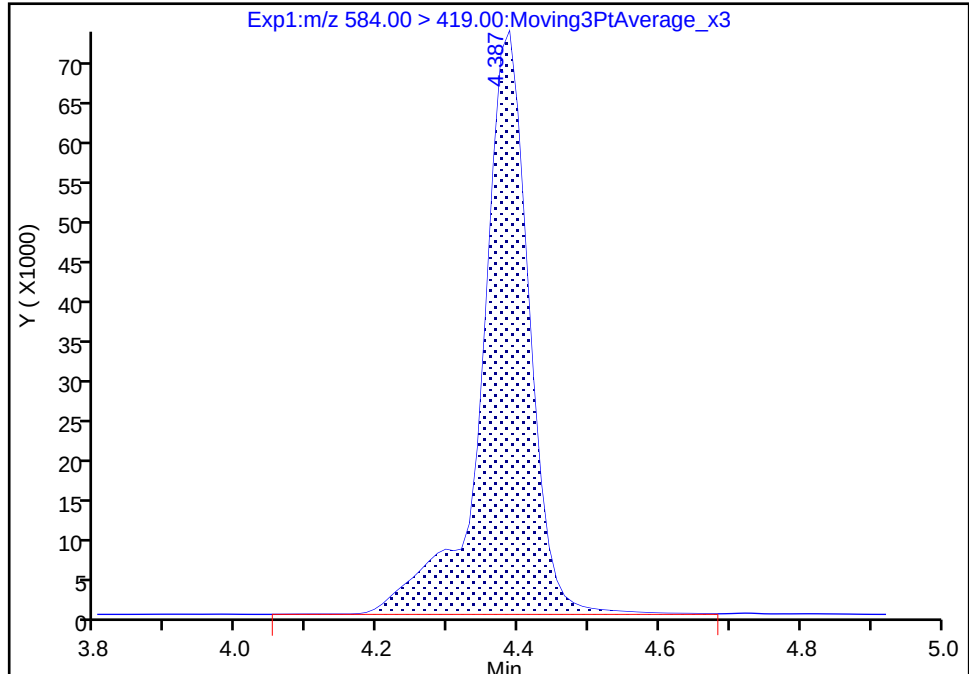
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A21.d
Injection Date: 09-Aug-2022 18:34:48 Instrument ID: LC812
Lims ID: 200-64441-A-11-C MSD
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 21
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

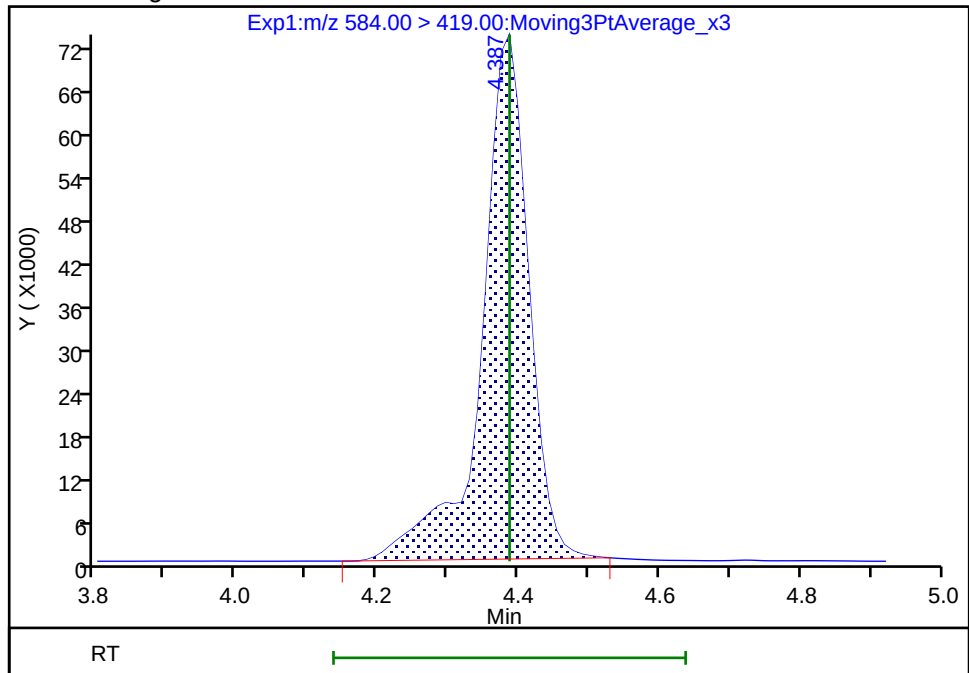
RT: 4.39
Area: 345188
Amount: 1.946229
Amount Units: ng/ml

Processing Integration Results



RT: 4.39
Area: 337627
Amount: 1.903599
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 09:21:35
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1616 of 1695

08/18/2022

Eurofins Burlington

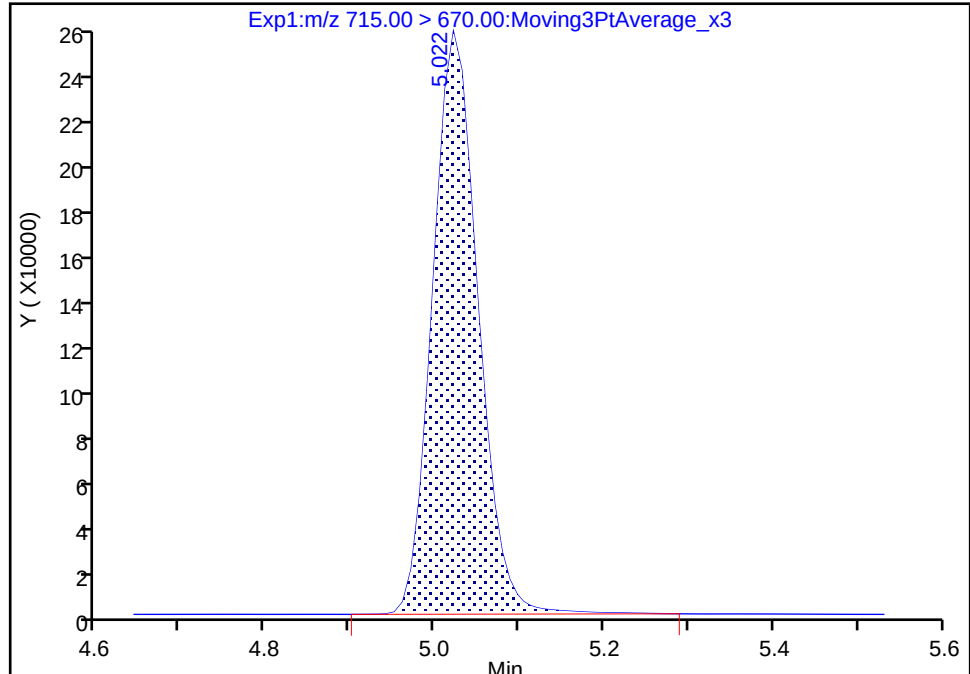
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A21.d
Injection Date: 09-Aug-2022 18:34:48 Instrument ID: LC812
Lims ID: 200-64441-A-11-C MSD
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 21
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

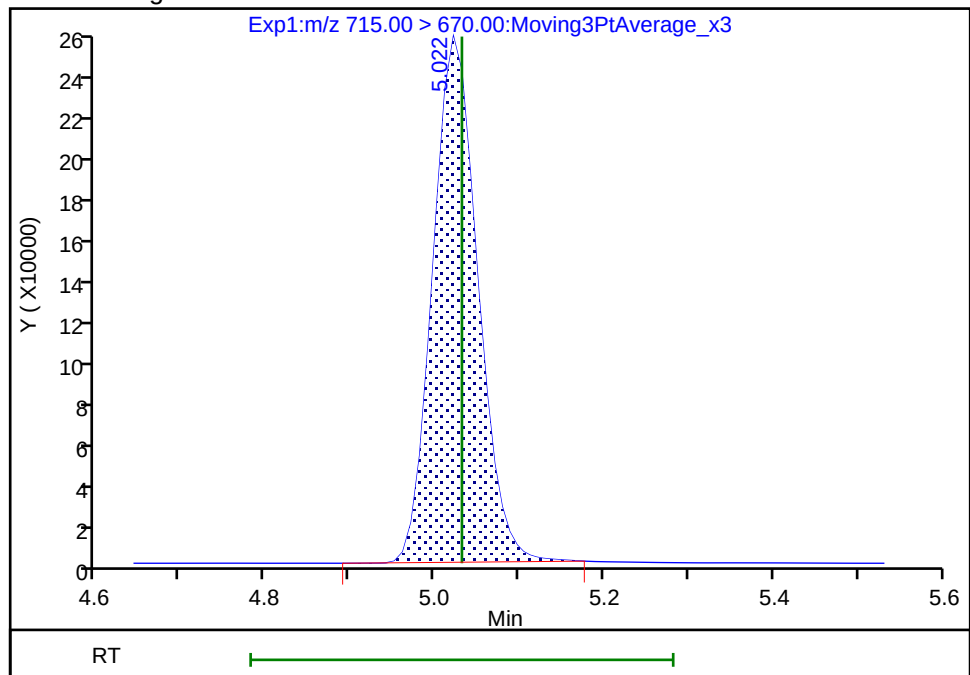
RT: 5.02
Area: 940401
Amount: 1.004265
Amount Units: ng/ml

Processing Integration Results



RT: 5.02
Area: 931079
Amount: 0.994309
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 10-Aug-2022 09:21:50

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

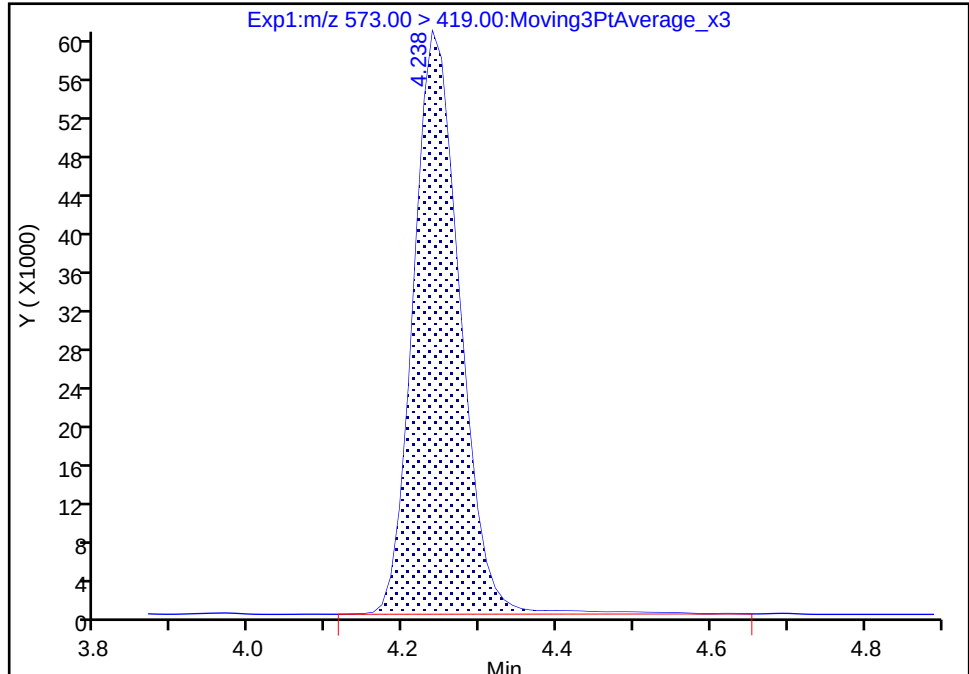
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A21.d
Injection Date: 09-Aug-2022 18:34:48 Instrument ID: LC812
Lims ID: 200-64441-A-11-C MSD
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 21
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

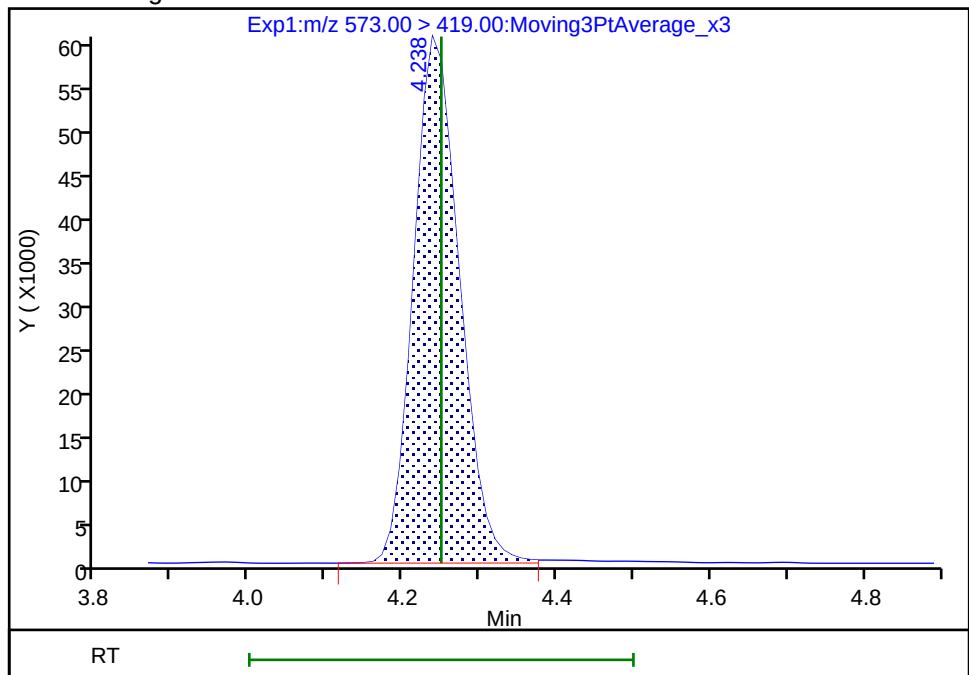
RT: 4.24
Area: 253599
Amount: 1.296860
Amount Units: ng/ml

Processing Integration Results



RT: 4.24
Area: 250920
Amount: 1.283160
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:41:46

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

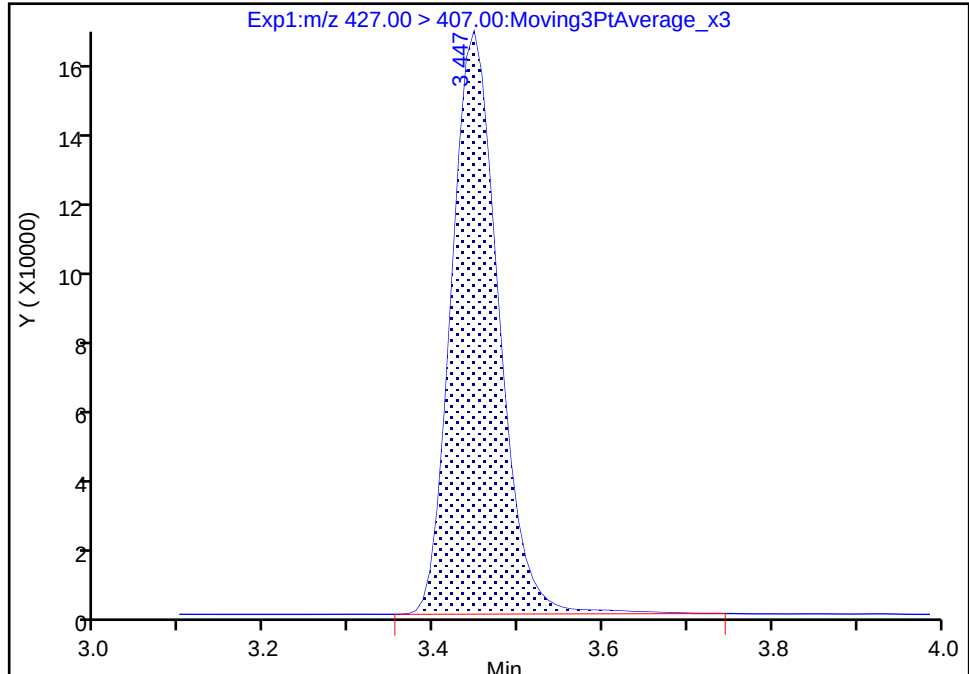
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A21.d
Injection Date: 09-Aug-2022 18:34:48 Instrument ID: LC812
Lims ID: 200-64441-A-11-C MSD
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 21
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 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

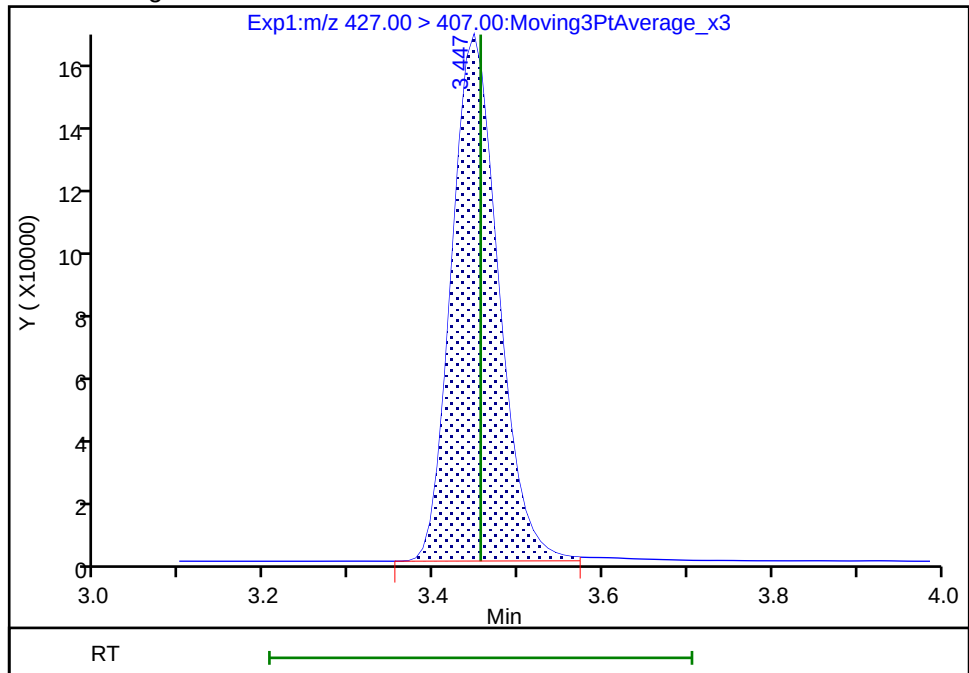
RT: 3.45
Area: 645036
Amount: 2.038568
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 640136
Amount: 2.022955
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:43:46

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

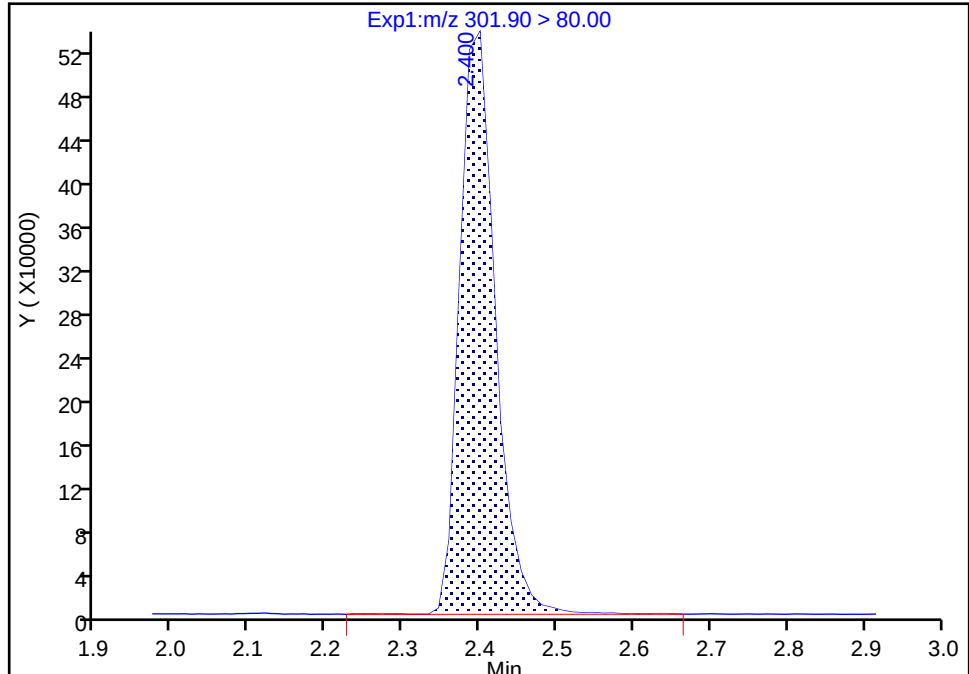
Data File: \\chromfs\Burlington\ChromData\LC812\20220809-52011.b\PA220809A21.d
Injection Date: 09-Aug-2022 18:34:48 Instrument ID: LC812
Lims ID: 200-64441-A-11-C MSD
Client ID: SP-02
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 21
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

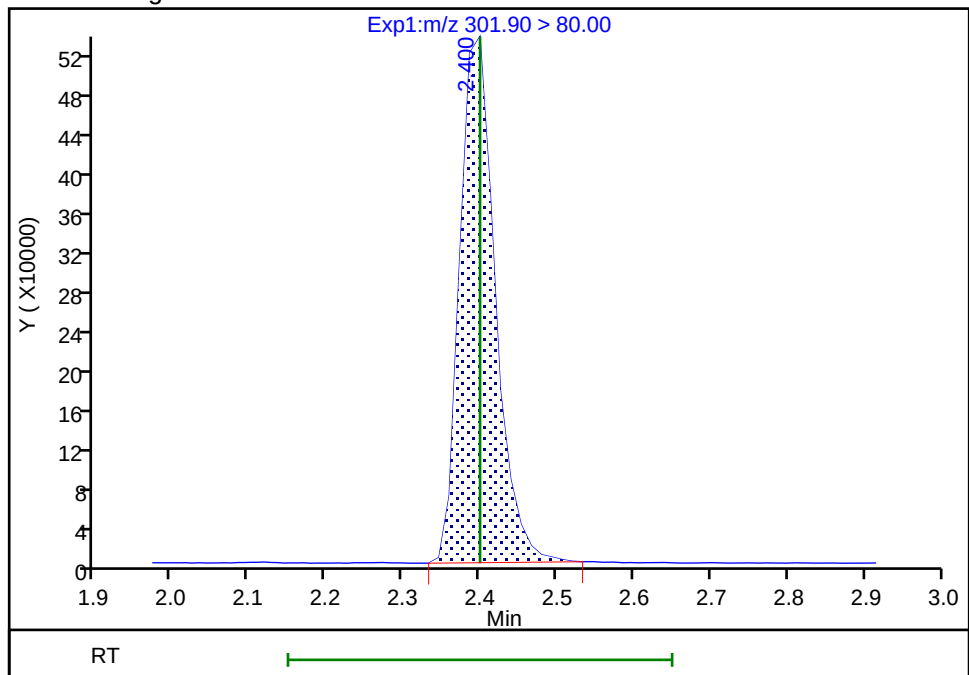
RT: 2.40
Area: 1723351
Amount: 1.094512
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 1707344
Amount: 1.084346
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 10-Aug-2022 10:41:31

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-263208-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: 460-263422-A-2-C MSD

Matrix: Solid Lab File ID: PA220811B18.d

Analysis Method: 537 (modified) Date Collected: _____

Extraction Method: SHAKE Date Extracted: 08/10/2022 17:30

Sample wt/vol: 5.10(g) Date Analyzed: 08/11/2022 20:50

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6 (mm)

% Moisture: 8.9 % Solids: 91.1 GPC Cleanup: (Y/N) N

Cleanup Factor: _____

Analysis Batch No.: 182595 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	2.214		0.54	0.36
2706-90-3	Perfluoropentanoic acid (PFPeA)	2.305		0.22	0.059
307-24-4	Perfluorohexanoic acid (PFHxA)	2.315		0.22	0.050
375-85-9	Perfluoroheptanoic acid (PFHpA)	2.254		0.22	0.042
335-67-1	Perfluorooctanoic acid (PFOA)	2.758		0.22	0.062
375-95-1	Perfluorononanoic acid (PFNA)	2.269		0.22	0.037
335-76-2	Perfluorodecanoic acid (PFDA)	2.158		0.22	0.030
2058-94-8	Perfluoroundecanoic acid (PFUnA)	2.101		0.22	0.029
307-55-1	Perfluorododecanoic acid (PFDoA)	2.164		0.22	0.027
72629-94-8	Perfluorotridecanoic acid (PFTriA)	2.131		0.22	0.027
376-06-7	Perfluorotetradecanoic acid (PFTeA)	2.277		0.22	0.028
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1.959		0.22	0.036
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1.987		0.22	0.044
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	2.212		0.22	0.025
335-77-3	Perfluorodecanesulfonic acid (PFDS)	2.218		0.22	0.020
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	4.943		0.22	0.12
754-91-6	Perfluorooctanesulfonamide (FOSA)	2.226		0.22	0.037
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.289		2.15	0.12
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.039	J	2.15	0.089
27619-97-2	6:2 FTS	2.222		2.15	0.061
39108-34-4	8:2 FTS	2.377		2.15	0.040

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>460-263208-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>460-263422-A-2-C MSD</u>
Matrix: <u>Solid</u>	Lab File ID: <u>PA220811B18.d</u>
Analysis Method: <u>537 (modified)</u>	Date Collected: _____
Extraction Method: <u>SHAKE</u>	Date Extracted: <u>08/10/2022 17:30</u>
Sample wt/vol: <u>5.10(g)</u>	Date Analyzed: <u>08/11/2022 20:50</u>
Con. Extract Vol.: <u>10(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>20(uL)</u>	GC Column: <u>C-18</u> ID: <u>4.6 (mm)</u>
% Moisture: <u>8.9</u> % Solids: <u>91.1</u>	GPC Cleanup: (Y/N) <u>N</u>
Cleanup Factor: _____	
Analysis Batch No.: <u>182595</u>	Units: <u>ug/Kg</u>

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL01892	13C4 PFHpA	89		50-150
STL00990	13C4 PFOA	91		50-150
STL00995	13C5 PFNA	89		50-150
STL00992	13C4 PFBA	82		50-150
STL00993	13C2 PFHxA	86		50-150
STL00996	13C2 PFDA	98		50-150
STL00997	13C2 PFUnA	106		50-150
STL00994	18O2 PFHxS	80		50-150
STL00998	13C2 PFDoA	107		50-150
STL00991	13C4 PFOS	73		50-150
STL01056	13C8 FOSA	66		50-150
STL01893	13C5 PFPeA	86		50-150
STL02116	13C2 PFTeDA	99		50-150
STL02118	d3-NMeFOSAA	104		50-150
STL02117	d5-NEtFOSAA	129		50-150
STL02279	M2-6:2 FTS	97		50-150
STL02337	13C3 PFBS	76		50-150
STL02280	M2-8:2 FTS	131		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B18.d
 Lims ID: 460-263422-A-2-C MSD
 Client ID:
 Sample Type: MSD
 Inject. Date: 11-Aug-2022 20:50:20 ALS Bottle#: 18 Worklist Smp#: 18
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: 460-263422-A-2-C MSD
 Misc. Info.: 200-0052043-018 Plate: 1 Rack: 2
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 12-Aug-2022 12:20:35 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: CTX1609

First Level Reviewer: nampitakw

Date: 12-Aug-2022 10:18:58

Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.076	2.076	0.0	0.601	1735705	1.02		81.6	7143	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.076	2.076	0.0	1.000	1384539	1.03		103	128	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.387	2.386	0.001	0.690	1402818	1.07		85.7	2040	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.387	2.386	0.001	1.000	1238491	1.07		107	23.5	M
D 47 13C3 PFBS										M
301.90 > 80.00	2.400	2.400	0.0	0.694	1342377	0.8864		76.2	84267	M
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.400	2.413	-0.013	1.000	1159759	0.9099	Target=2.23	103	276	M
298.90 > 99.00	2.400	2.413	-0.013	1.000	523186		2.22(1.11-3.34)		69.0	M
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.701	2.701	0.0	0.781	142919	1.10		93.9	50.5	M
61 1H,1H,2H,2H-perfluorohexanesulfo										
327.00 > 307.00	2.701	2.701	0.0	1.000	286760	0.9856		106	190	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.738	2.737	0.001	1.000	1267389	1.08	Target=12.24	108	64.6	M
313.00 > 119.00	2.738	2.737	0.001	1.000	101174		12.53(6.12-18.36)		83.1	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.738	2.737	0.001	0.792	1411780	1.08		86.4	2354	
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.738	2.737	0.001	0.883	1027742	0.9271	Target=2.95	98.8	359	
349.00 > 99.00	2.738	2.737	0.001	0.883	336134		3.06(1.48-4.43)		187	M
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.847	2.847	0.0	0.824	255144	1.04		83.0	1526	

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	2.847	0.0	1.000	215254	0.9814		98.1	1833	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.099	3.098	0.001	0.897	1011050	0.9492		80.3	2533	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.099	3.098	0.001	1.000	870475	0.9231	Target=3.43	101	356	M
399.00 > 99.00	3.099	3.098	0.001	1.000	251600		3.46(1.72-5.15)		84.3	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.099	3.098	0.001	0.897	1510963	1.11		89.2	2662	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.110	3.110	0.0	1.004	1304288	1.05	Target=3.73	105	83.5	M
363.00 > 169.00	3.099	3.110	-0.011	1.000	361065		3.61(1.86-5.59)		441	M
77 DONA										
377.00 > 251.00	3.143	3.143	0.0	0.833	2687940	1.12	Target=2.84	119	1656	
377.00 > 85.00	3.143	3.143	0.0	0.833	918809		2.93(1.42-4.26)		624	
D 12 M2-6:2 FTS										M
429.00 > 81.00	3.448	3.447	0.001	0.997	206055	1.16		97.3	119	M
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.448	3.447	0.001	1.000	265152	1.03		109	544	M
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.448	3.447	0.001	0.914	738248	1.03	Target=4.89	108	428	
449.00 > 99.00	3.448	3.447	0.001	0.914	146309		5.05(2.44-7.33)		183	M
D 14 13C4 PFOA										
417.00 > 372.00	3.456	3.456	0.0	1.000	1587463	1.14		91.4	3354	
* 62 13C2 PFOA										M
415.00 > 370.00	3.456	3.456	0.0		1822557	1.25			3368	M
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.465	3.456	0.009	1.003	1824499	1.28	Target=2.67	128	87.5	M
413.00 > 169.00	3.456	3.456	0.0	1.000	697393		2.62(1.34-4.01)		633	M
D 18 13C4 PFOS										
503.00 > 80.00	3.773	3.773	0.0	1.092	694581	0.8733		73.1	507	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.773	3.773	0.0	1.000	1338443	2.30	Target=4.88	247	480	M
499.00 > 99.00	3.773	3.773	0.0	1.000	292491		4.58(2.44-7.32)		263	M
20 Perfluorononanoic acid										M
463.00 > 419.00	3.792	3.792	0.0	1.000	1382602	1.05	Target=8.23	105	136	
463.00 > 169.00	3.792	3.792	0.0	1.000	171882		8.04(4.11-12.34)		466	M
D 19 13C5 PFNA										M
468.00 > 423.00	3.792	3.792	0.0	1.097	1611648	1.12		89.4	2560	M
69 9-Chlorohexadecafluoro-3-oxanona										M
531.00 > 351.00	3.940	3.940	0.0	1.044	1031178	1.00		108	1662	M
68 Perfluorononanesulfonic acid										M
549.00 > 80.00	4.071	4.060	0.011	1.079	463093	1.02	Target=2.53	106	438	
549.00 > 99.00	4.071	4.060	0.011	1.079	187151		2.47(1.26-3.79)		322	M
D 23 13C2 PFDA										
515.00 > 470.00	4.104	4.092	0.012	1.187	1726179	1.23		98.4	2482	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.093	4.092	0.001	0.997	1455599	1.00	Target=9.67	100	212	
513.00 > 169.00	4.093	4.092	0.001	0.997	163273		8.92(4.83-14.50)		205	M
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.104	4.092	0.012	1.000	300361	1.10		115	916	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.104	4.104	0.0	1.187	337363	1.57		131	242	
D 21 13C8 FOSA										
506.00 > 78.00	4.150	4.150	0.0	1.201	1017397	0.8284		66.3	1767	
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.161	4.161	0.0	1.003	857398	1.03		103	748	M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.238	4.238	0.0	1.226	245042	1.30		104	555	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.250	4.238	0.012	1.003	185097	1.06		106	607	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.342	4.330	0.012	1.151	348872	1.03	Target=2.80	107	394	M
599.00 > 99.00	4.342	4.330	0.012	1.151	141464		2.47(1.40-4.20)		232	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.365	4.364	0.001	1.263	1407499	1.32		106	3365	
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.365	4.364	0.001	1.000	1164366	0.9761	Target=9.07	97.6	271	
563.00 > 169.00	4.365	4.364	0.001	1.000	137342		8.48(4.54-13.61)		380	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.376	4.376	0.0	1.266	287363	1.61		129	685	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.387	4.376	0.011	1.003	197681	0.9471		94.7	624	M
66 11-Chloroeicosafuoro-3-oxaundec										M
631.00 > 451.00	4.465	4.465	0.0	1.183	1361262	1.02		108	1836	M
D 36 13C2 PFDaA										M
615.00 > 570.00	4.602	4.601	0.001	1.331	1470319	1.33		107	2053	M
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.612	4.601	0.011	1.002	1199163	1.01	Target=6.97	101	205	M
613.00 > 169.00	4.612	4.601	0.011	1.002	189384		6.33(3.48-10.45)		501	M
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.623	4.622	0.001	1.126	189024	1.49		154	808	M
75 Perfluorododecanesulfonic acid (										M
699.00 > 80.00	4.785	4.776	0.009	1.268	151357	1.01	Target=0.52	104	359	M
699.00 > 99.00	4.785	4.776	0.009	1.268	289922		0.52(0.26-0.79)		812	
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.825	4.813	0.012	1.048	1023395	0.9897	Target=4.56	99.0	233	M
663.00 > 169.00	4.825	4.813	0.012	1.048	225155		4.55(2.28-6.84)		549	
D 43 13C2 PFTeDA										
715.00 > 670.00	5.022	5.012	0.010	1.453	1113831	1.24		98.9	4213	
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.022	5.012	0.010	1.000	151012	1.06	Target=0.94	106	529	M
713.00 > 219.00	5.022	5.012	0.010	1.000	150988		1.00(0.47-1.41)		781	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 44 13C2 PFHxDA										
815.00 > 770.00	5.378	5.366	0.012	1.556	973527	0.9489		75.9	2699	
45 Perfluorohexadecanoic acid										
813.00 > 769.00	5.389	5.378	0.011	1.002	794695	1.12	Target=4.38	112	353	
813.00 > 169.00	5.378	5.378	0.0	1.000	170613		4.66(2.19-6.57)		755	
46 Perfluorooctadecanoic acid										
913.00 > 869.00	5.731	5.713	0.018	1.066	564935	1.09	Target=4.31	109	353	M
913.00 > 169.00	5.731	5.713	0.018	1.066	127664		4.43(2.16-6.47)		427	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B18.d

Injection Date: 11-Aug-2022 20:50:20

Instrument ID: LC812

Lims ID: 460-263422-A-2-C MSD

Client ID:

Operator ID: lc812tech

ALS Bottle#: 18

Worklist Smp#: 18

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

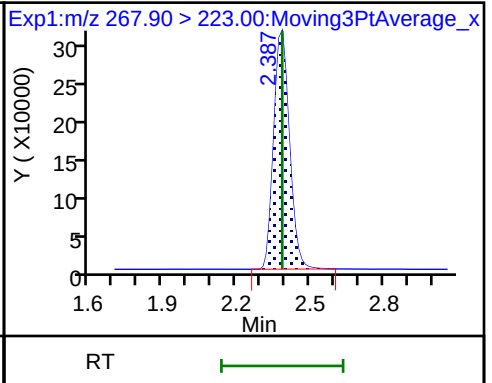
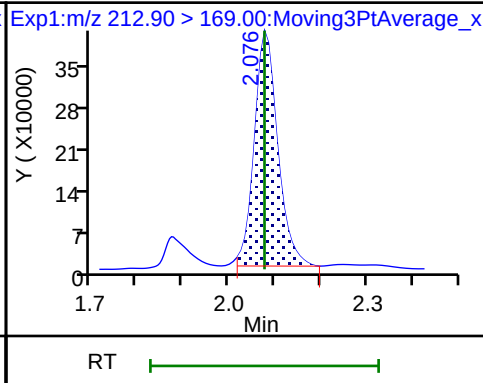
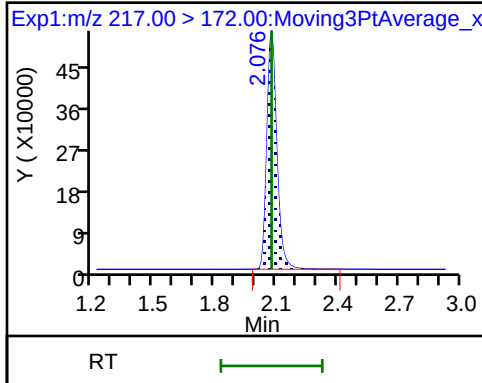
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

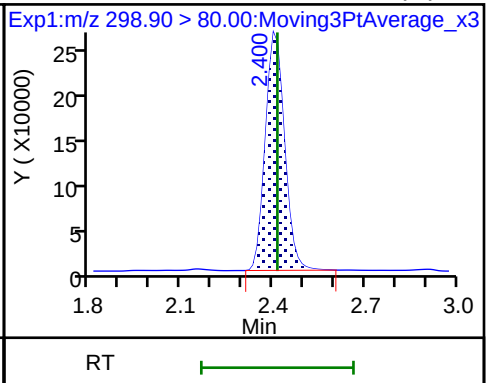
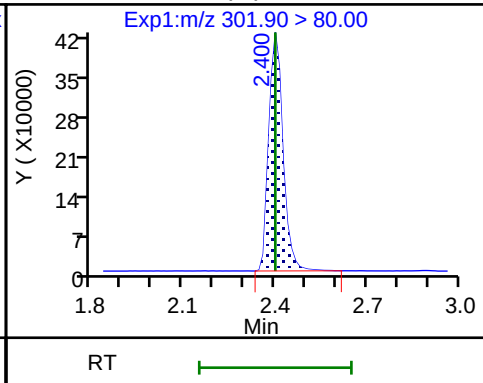
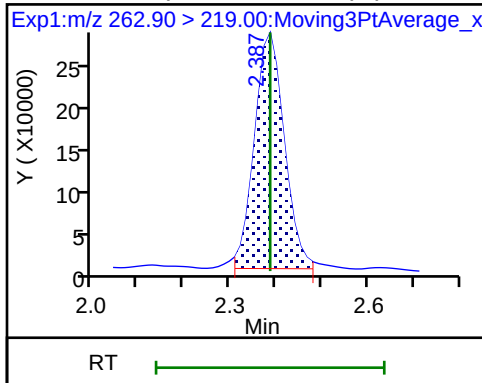
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

D 47 13C3 PFBS (M)

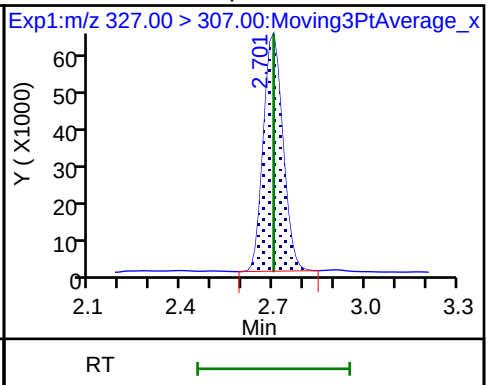
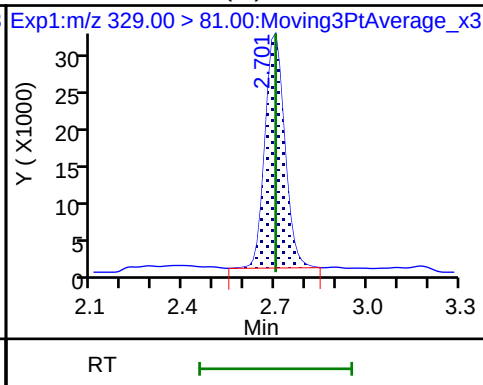
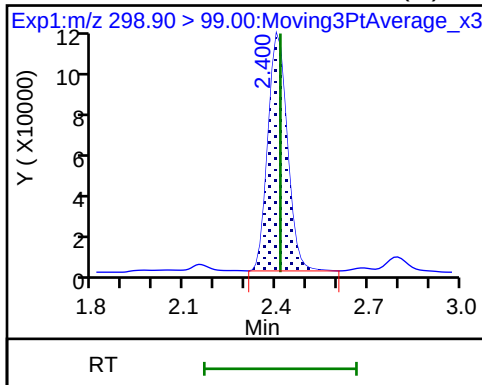
5 Perfluorobutanesulfonic acid (M)



5 Perfluorobutanesulfonic acid (M)

D 60 M2-4:2 FTS (M)

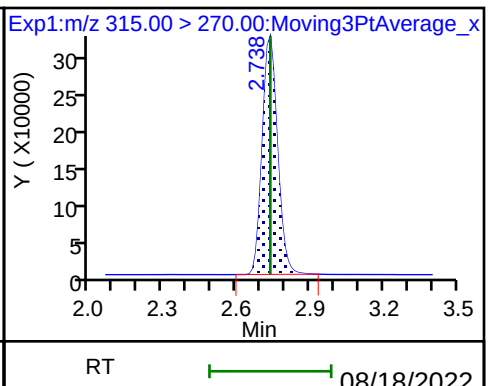
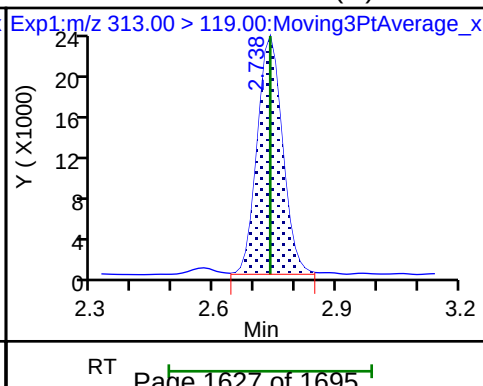
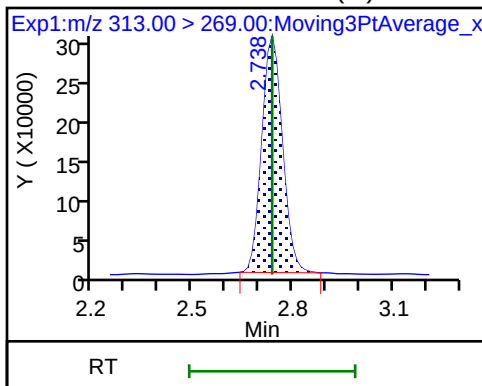
61 1H,1H,2H,2H-perfluorohexanesulfo



6 Perfluorohexanoic acid (M)

6 Perfluorohexanoic acid (M)

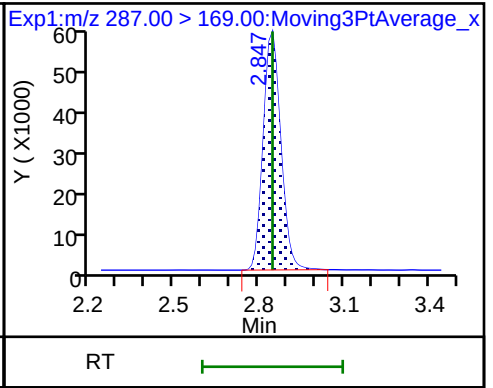
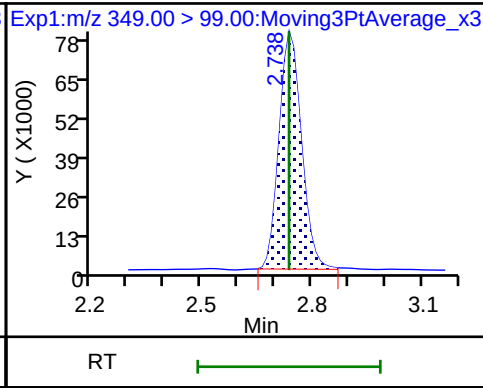
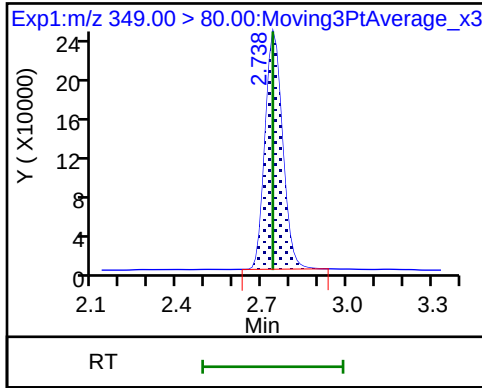
D 7 13C2 PFHxA



70 Perfluoropentanesulfonic acid

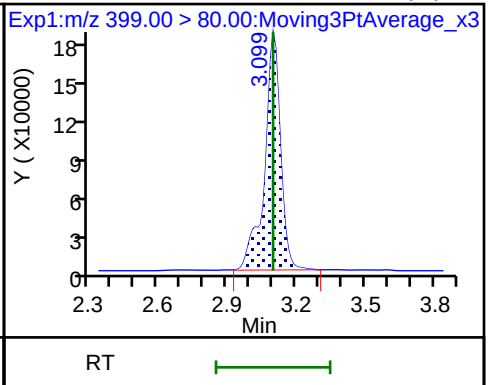
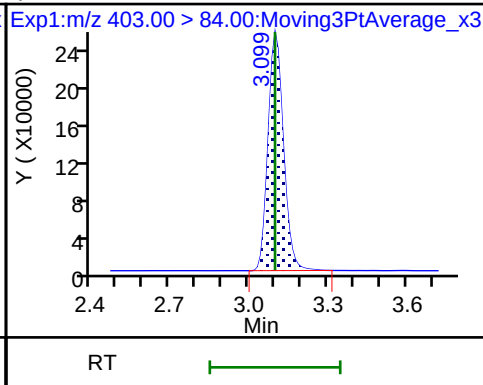
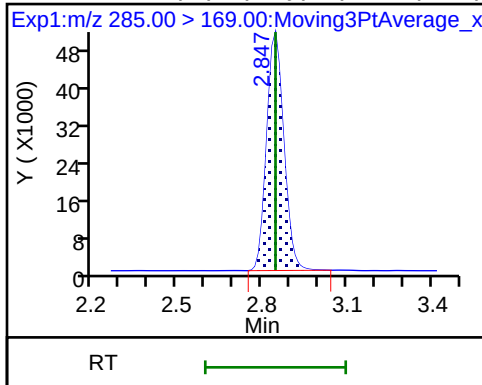
70 Perfluoropentanesulfonic acid (M)

D 64 13C3 HFPO-DA



67 Perfluoro(2-propoxypropanoic) ac (M) 11 18O2 PFHxS

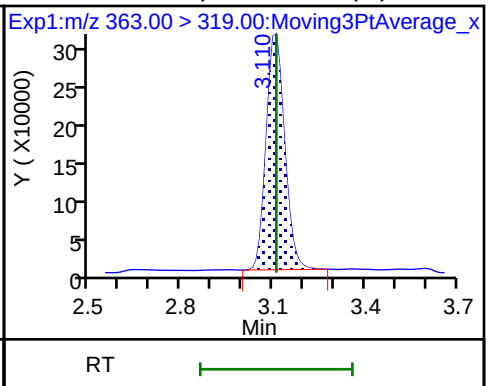
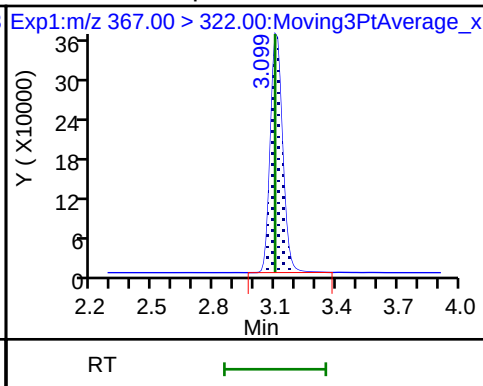
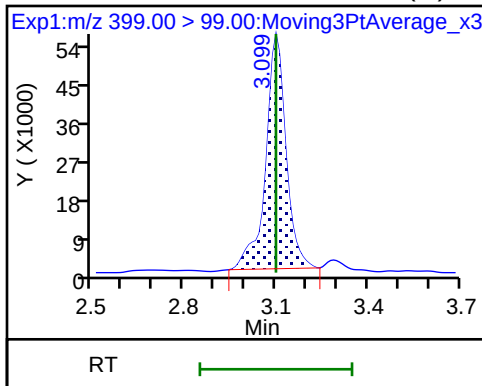
8 Perfluorohexanesulfonic acid (M)



8 Perfluorohexanesulfonic acid (M)

D 9 13C4 PFHpA

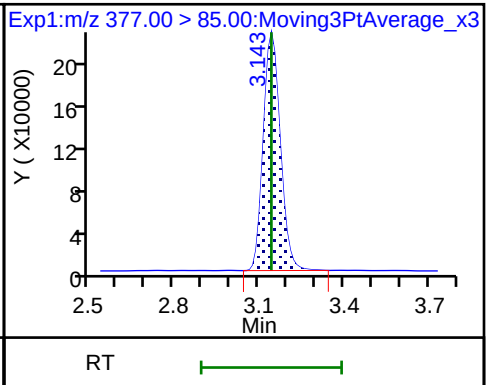
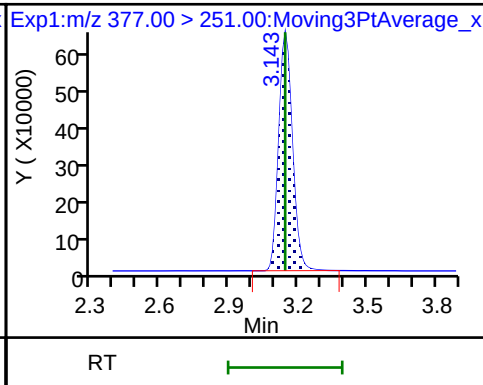
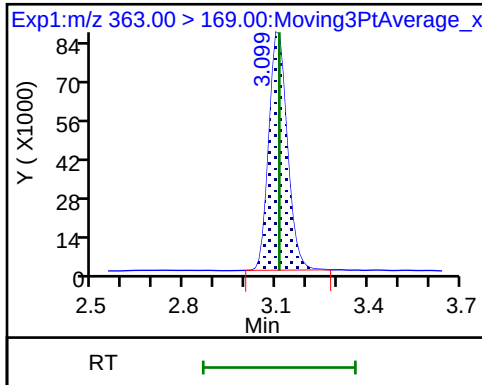
10 Perfluoroheptanoic acid (M)



10 Perfluoroheptanoic acid (M)

77 DONA

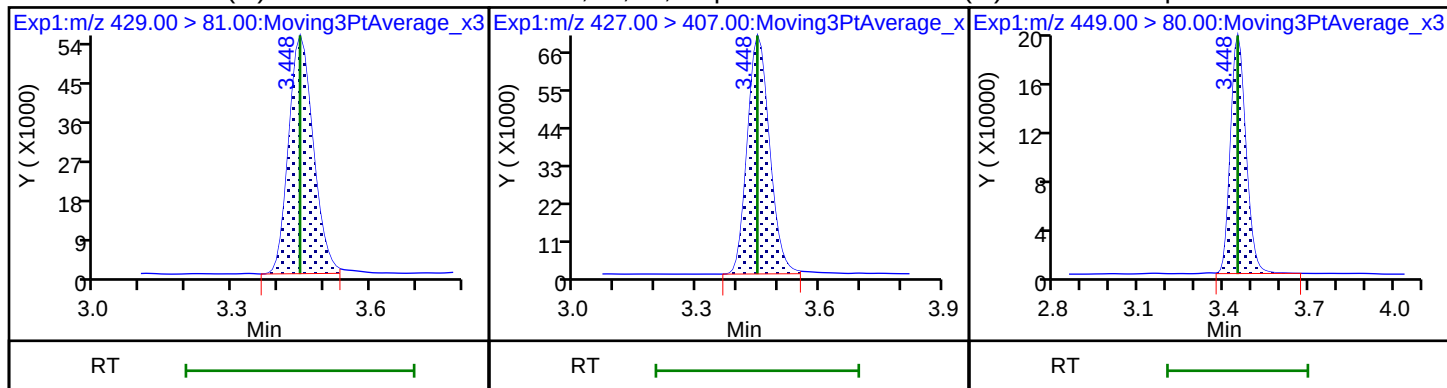
77 DONA



D 12 M2-6:2 FTS (M)

13 1H,1H,2H,2H-perfluorooctanesulfo (M)

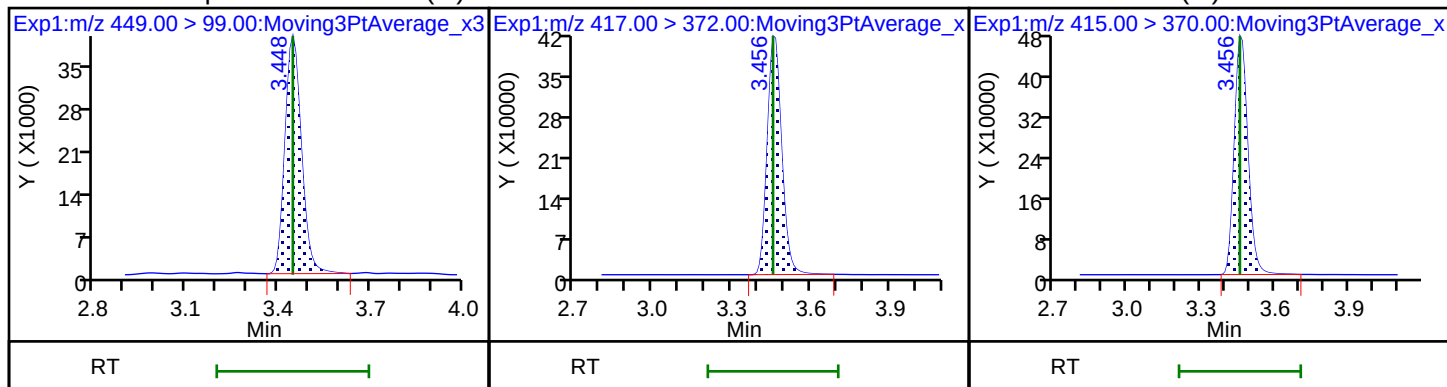
16 Perfluoroheptanesulfonic acid



16 Perfluoroheptanesulfonic acid (M)

D 14 13C4 PFOA

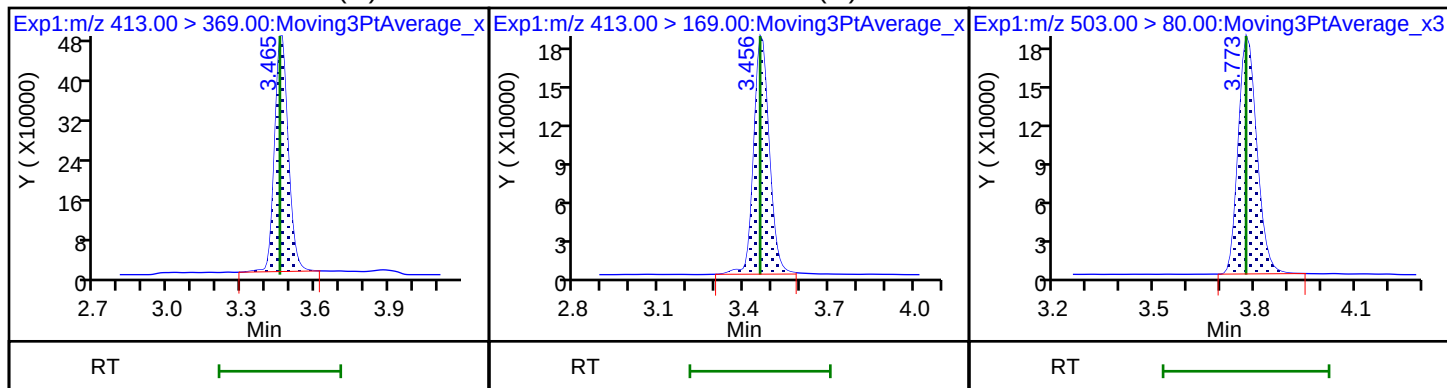
* 62 13C2 PFOA (M)



15 Perfluorooctanoic acid (M)

15 Perfluorooctanoic acid (M)

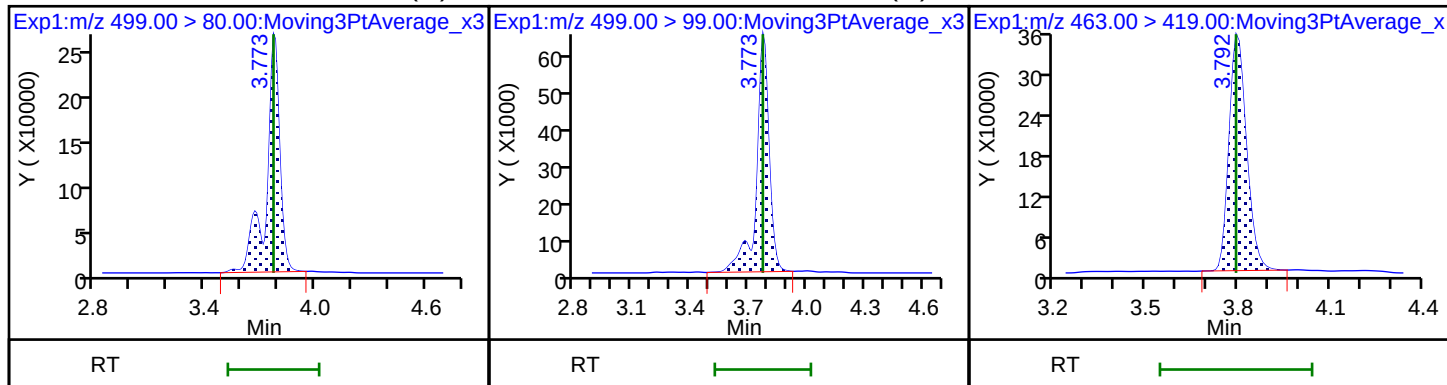
D 18 13C4 PFOS

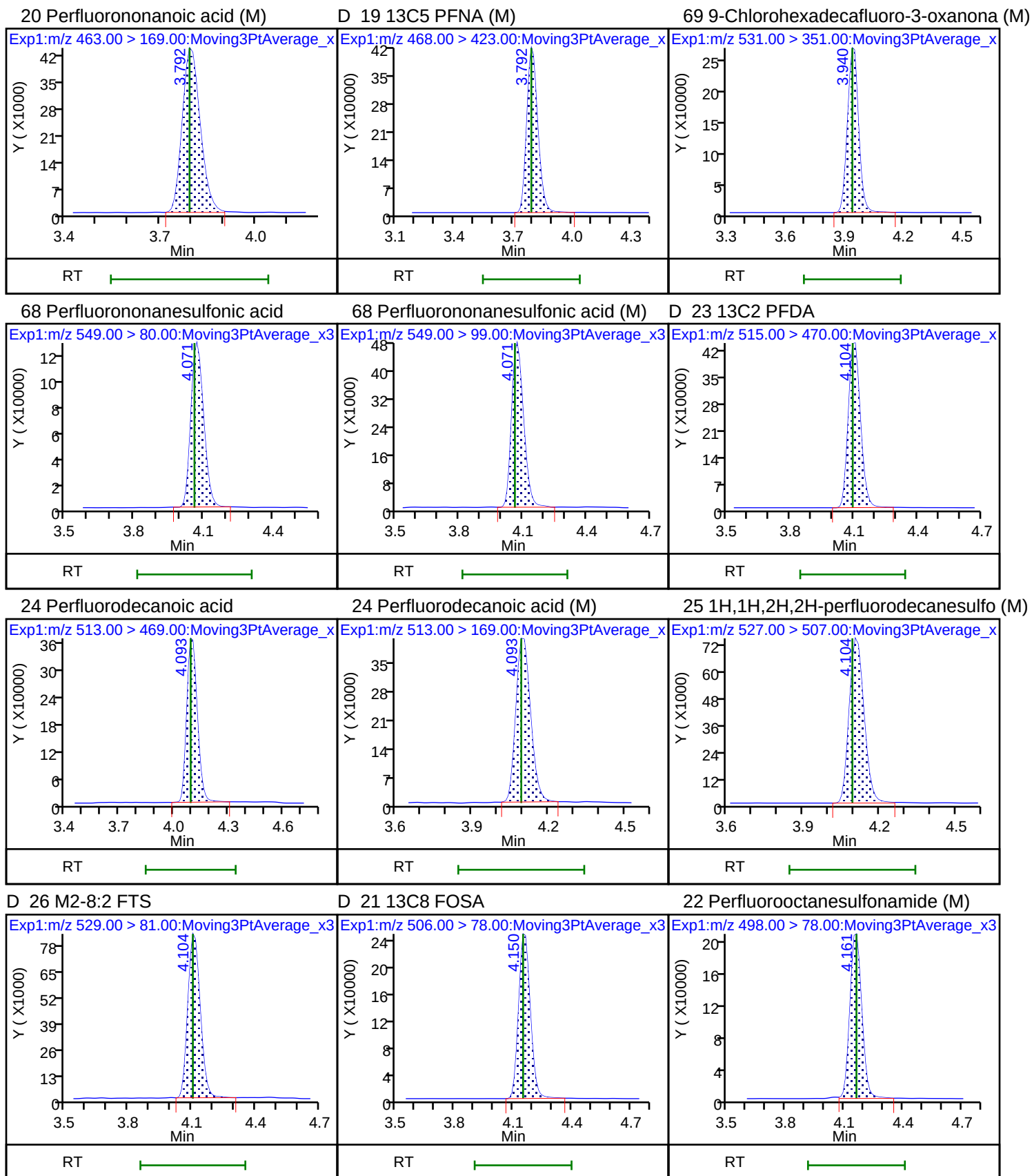


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

20 Perfluorononanoic acid

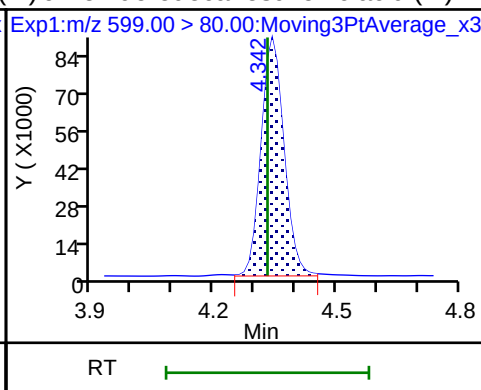
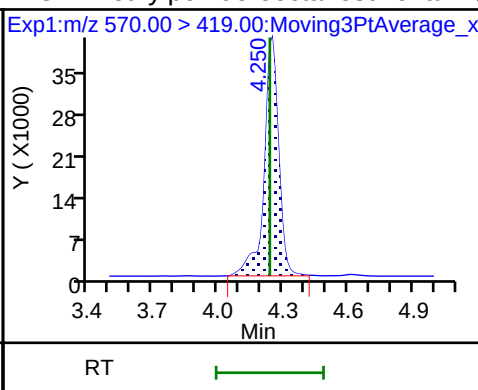
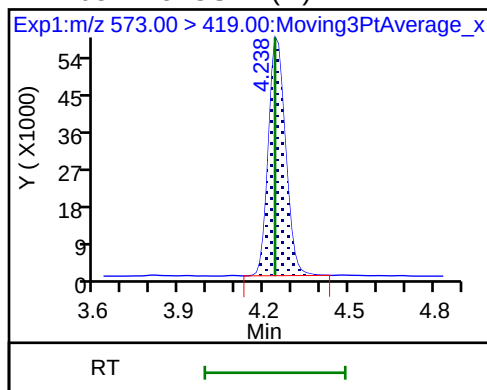




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami (M)

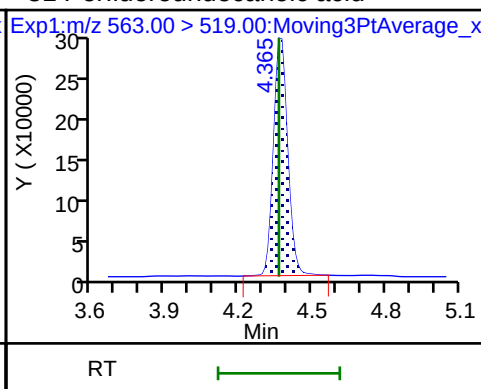
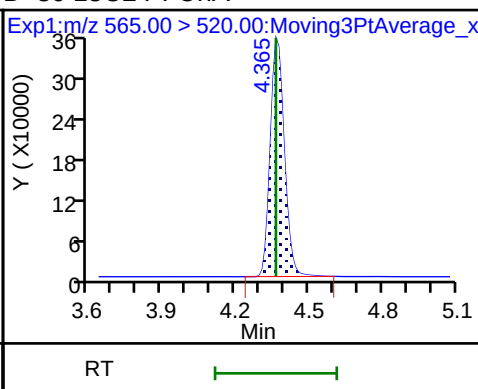
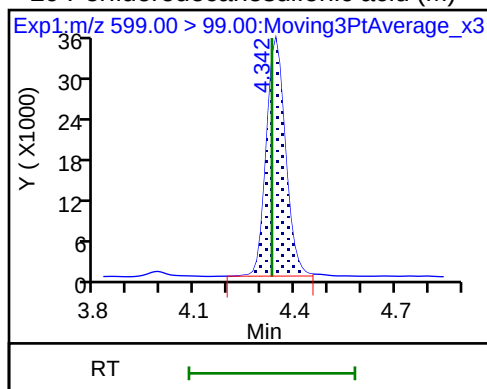
29 Perfluorodecanesulfonic acid (M)



29 Perfluorodecanesulfonic acid (M)

D 30 13C2 PFUnA

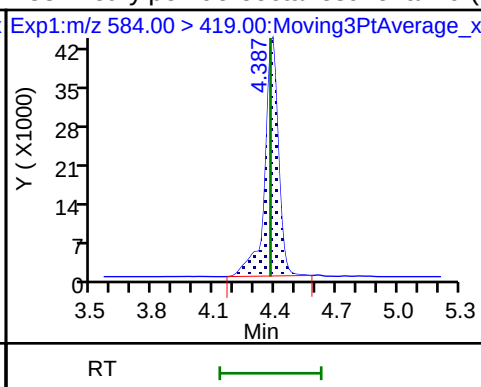
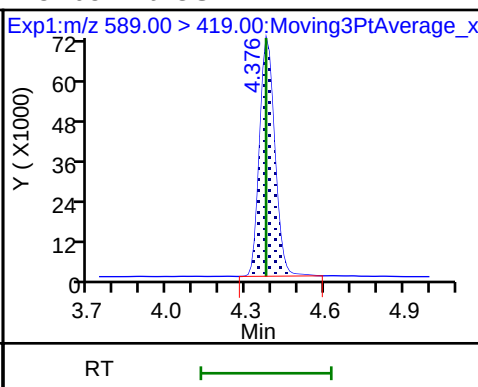
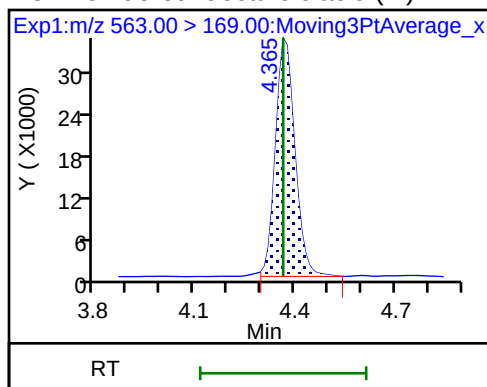
31 Perfluoroundecanoic acid



31 Perfluoroundecanoic acid (M)

D 32 d5-NEtFOSAA

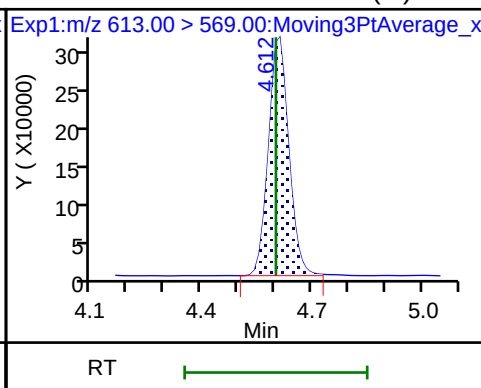
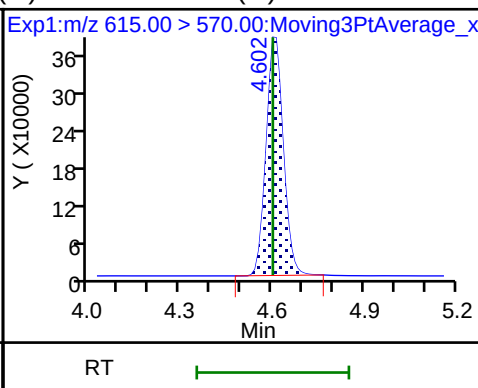
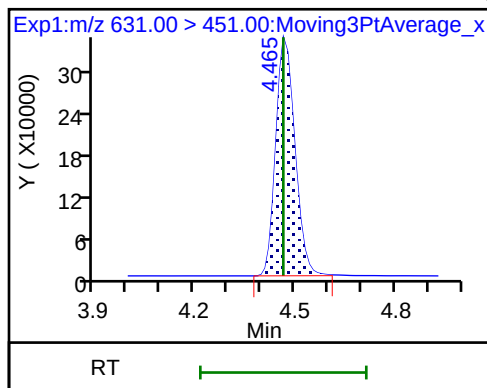
33 N-ethylperfluorooctanesulfonamid (M)

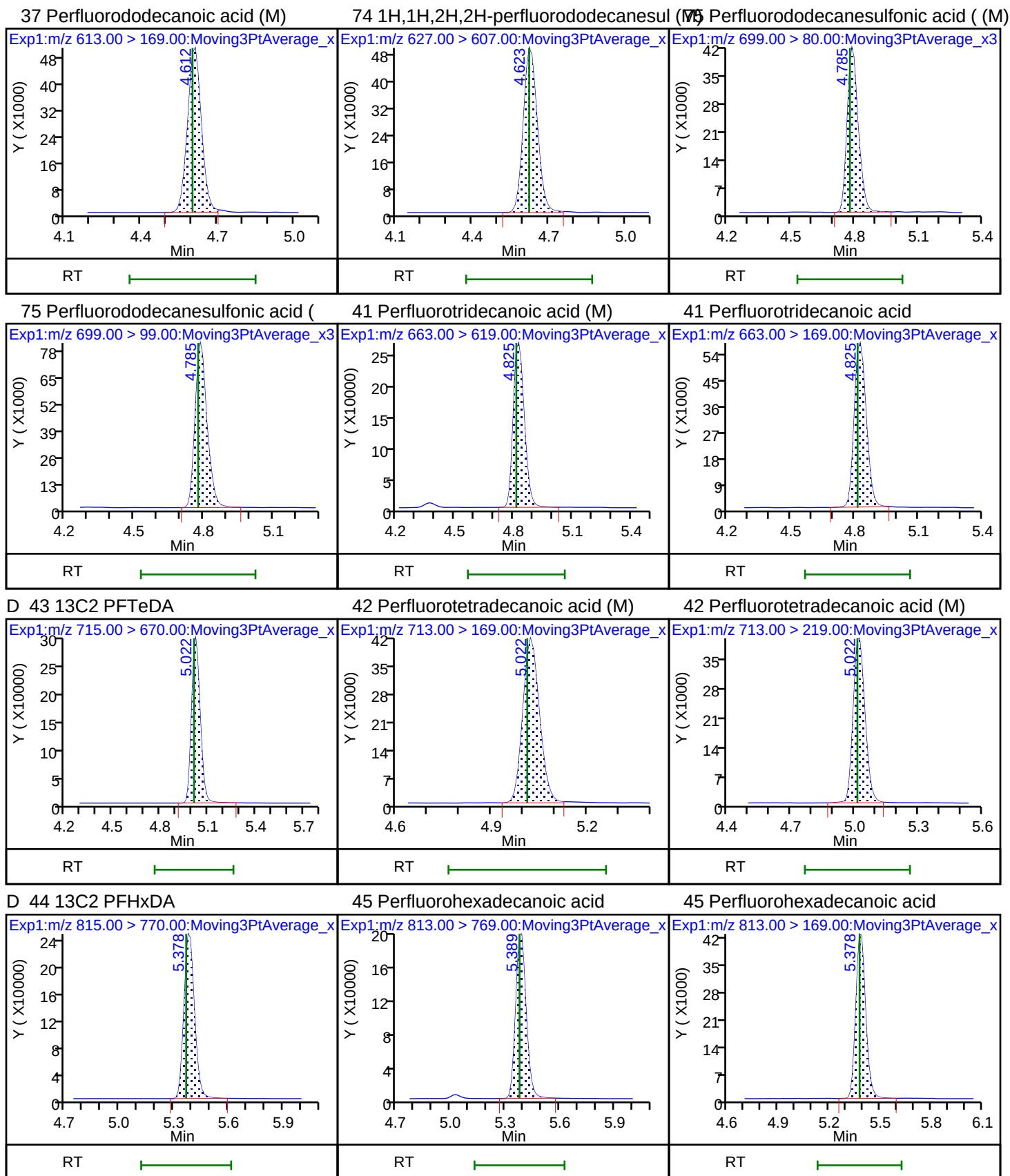


66 11-Chloroeicosafluoro-3-oxaundec (M)

36 13C2 PFDa (M)

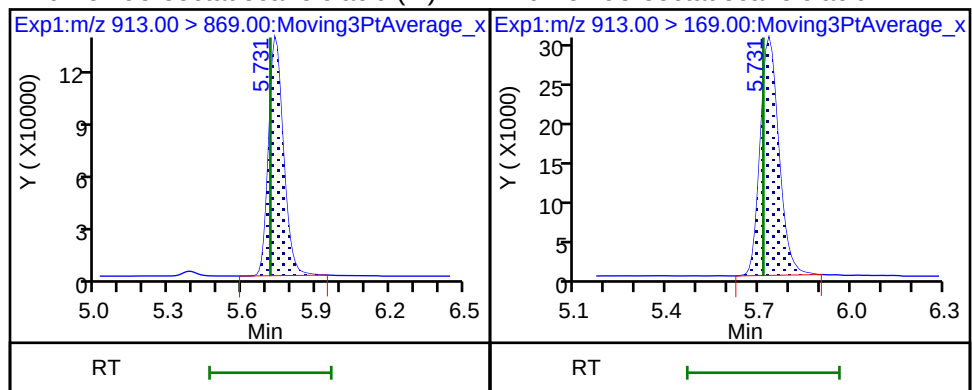
37 Perfluorododecanoic acid (M)





46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid



Eurofins Burlington

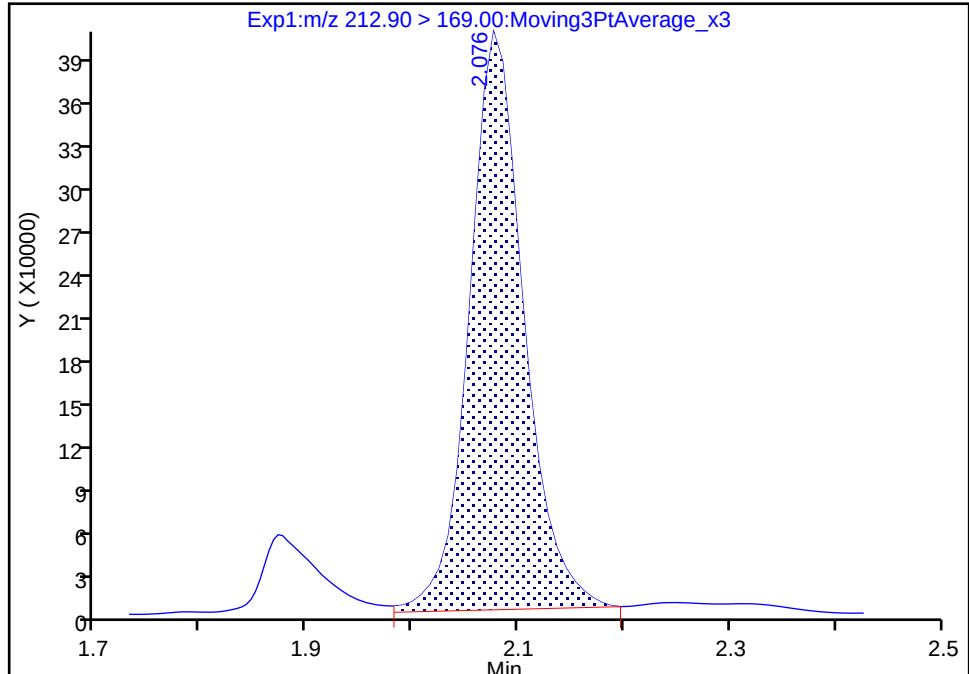
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B18.d
Injection Date: 11-Aug-2022 20:50:20 Instrument ID: LC812
Lims ID: 460-263422-A-2-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

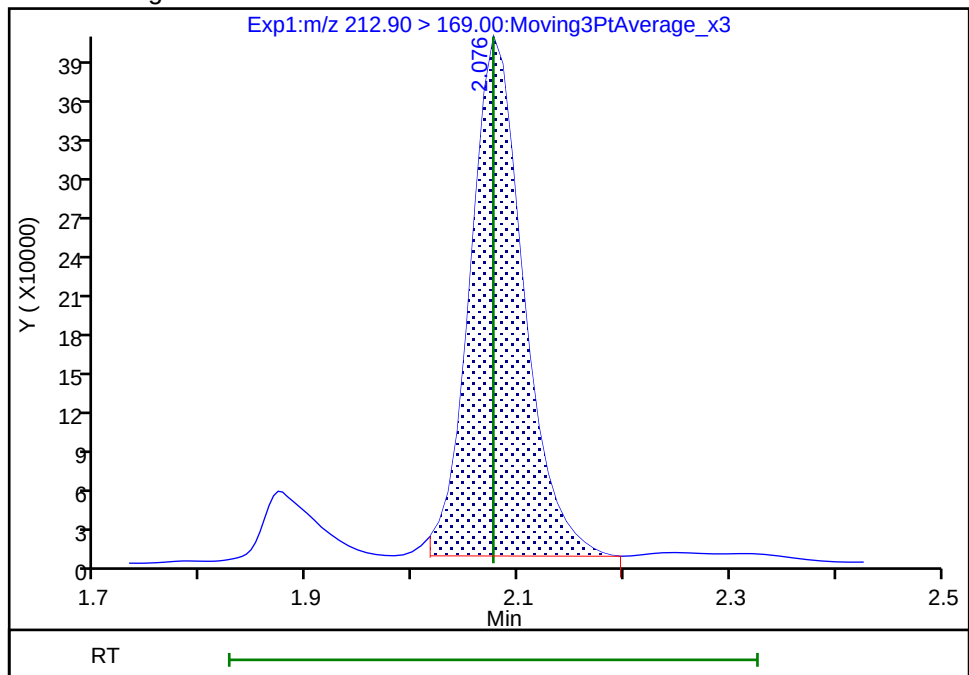
RT: 2.08
Area: 1421613
Amount: 1.055802
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 1384539
Amount: 1.028268
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 12:07:52
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

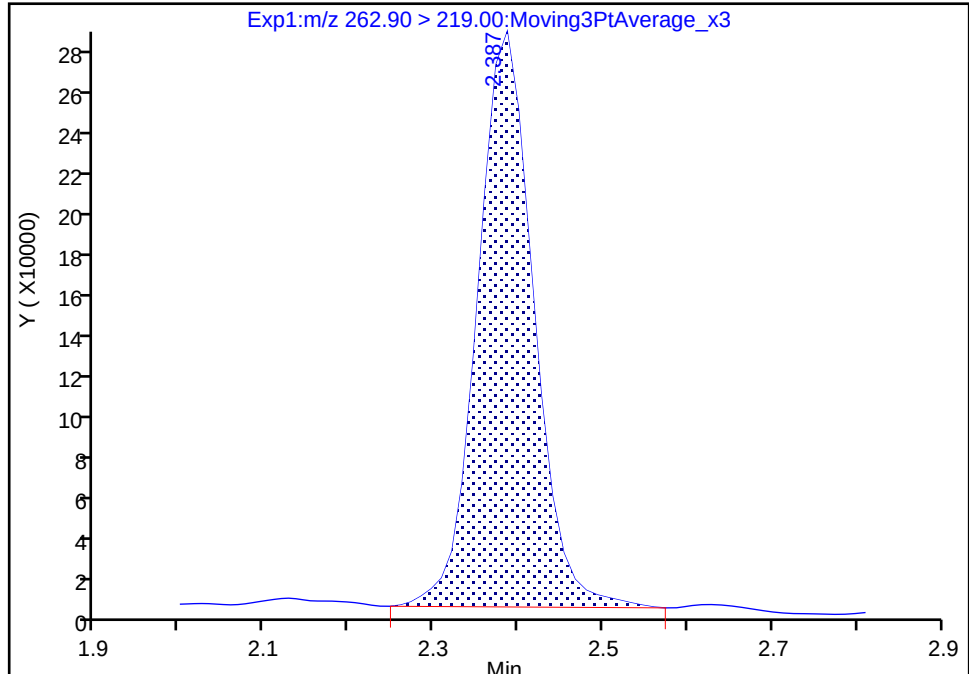
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B18.d
Injection Date: 11-Aug-2022 20:50:20 Instrument ID: LC812
Lims ID: 460-263422-A-2-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

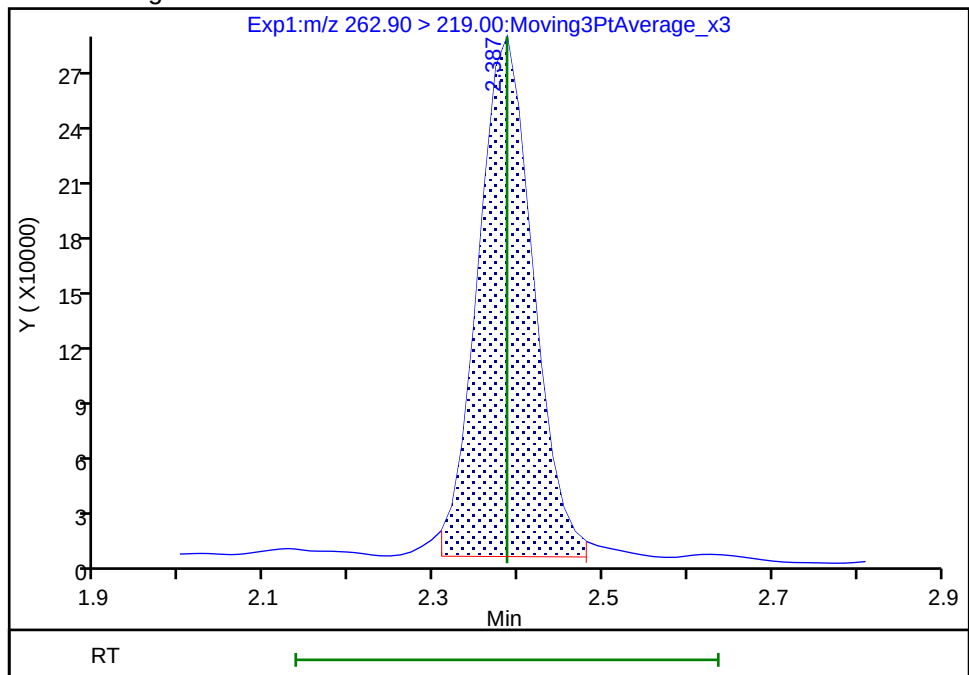
RT: 2.39
Area: 1272730
Amount: 1.100050
Amount Units: ng/ml

Processing Integration Results



RT: 2.39
Area: 1238491
Amount: 1.070457
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 12:08:05
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1635 of 1695

08/18/2022

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B18.d

Injection Date: 11-Aug-2022 20:50:20

Instrument ID: LC812

Lims ID: 460-263422-A-2-C MSD

Client ID:

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)

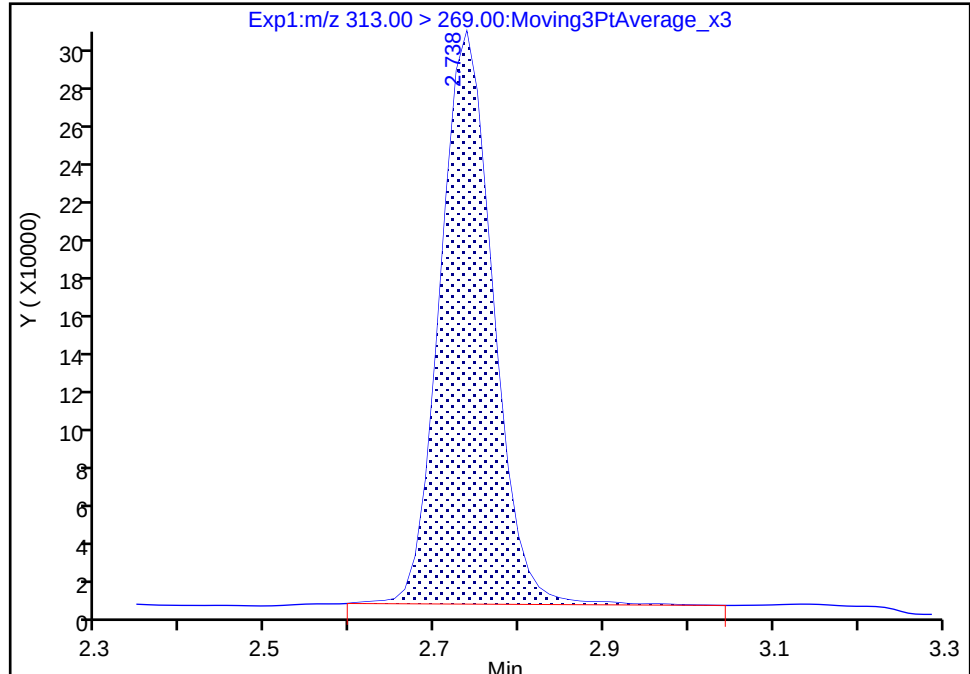
Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

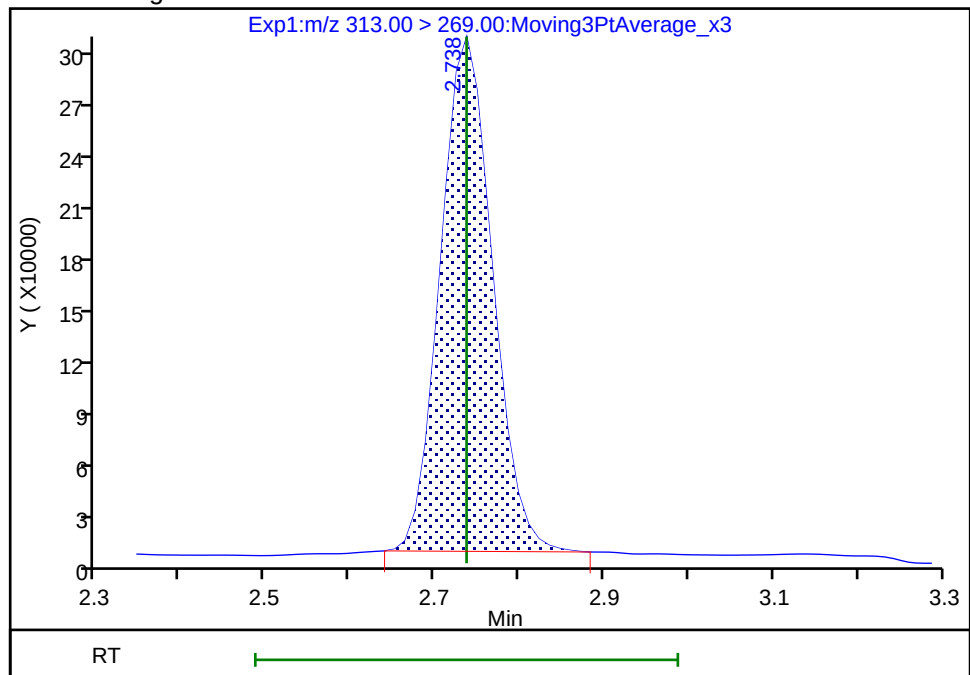
RT: 2.74
Area: 1297085
Amount: 1.100617
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 1267389
Amount: 1.075419
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 10:13:57

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B18.d

Injection Date: 11-Aug-2022 20:50:20

Instrument ID: LC812

Lims ID: 460-263422-A-2-C MSD

Client ID:

Operator ID: lc812tech

ALS Bottle#:

18

Worklist Smp#: 18

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

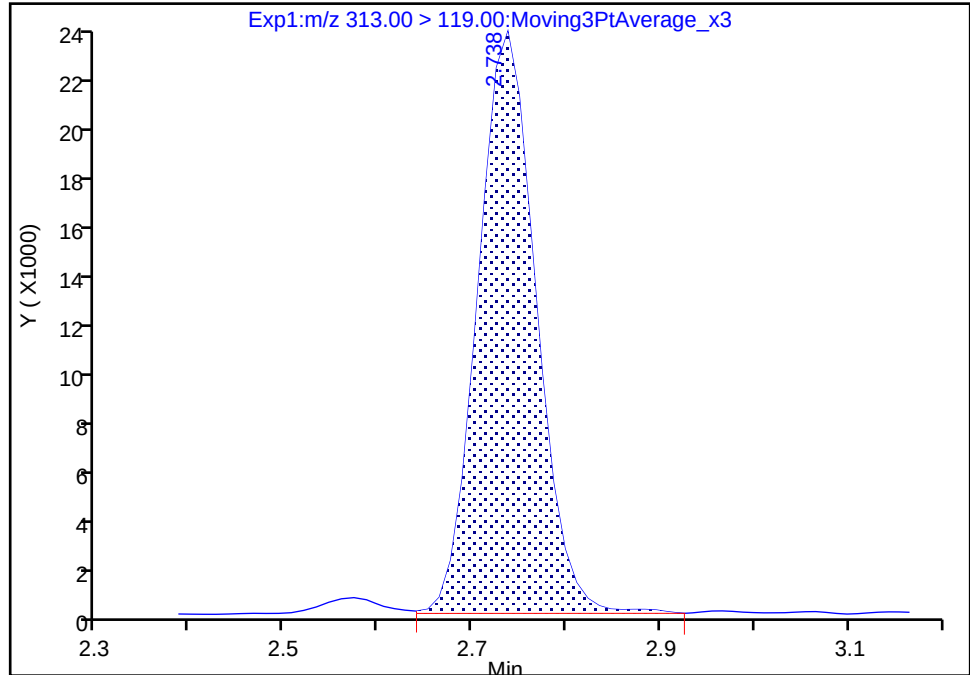
EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

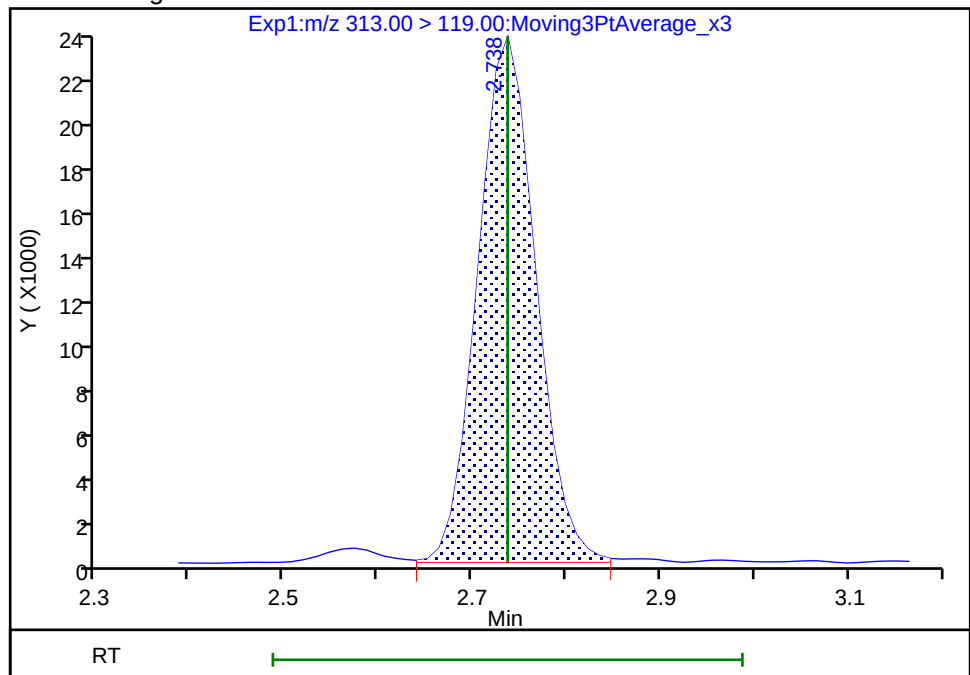
RT: 2.74
Area: 101715
Amount: 1.100617
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 101174
Amount: 1.075419
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 10:14:02

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B18.d

Injection Date: 11-Aug-2022 20:50:20

Instrument ID: LC812

Lims ID: 460-263422-A-2-C MSD

Client ID:

Operator ID: lc812tech

ALS Bottle#:

18

Worklist Smp#: 18

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

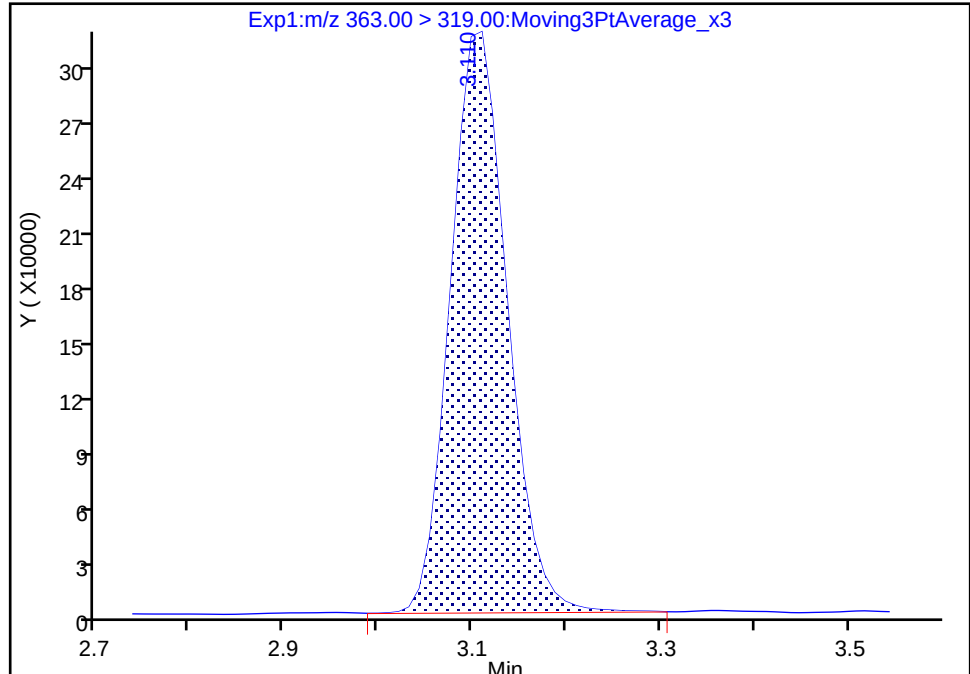
EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

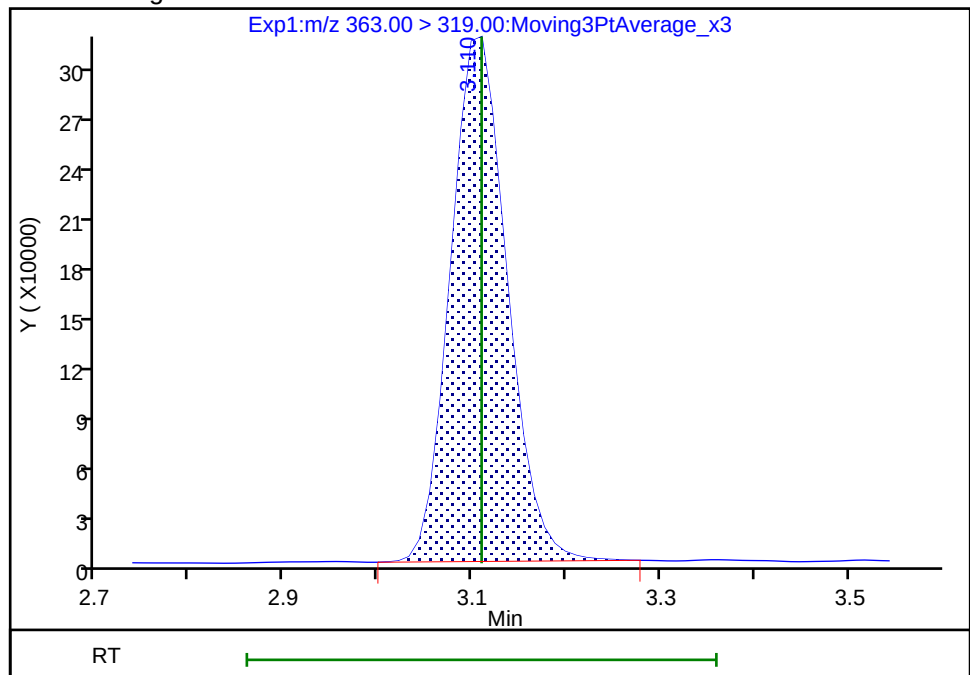
RT: 3.11
Area: 1310515
Amount: 1.051982
Amount Units: ng/ml

Processing Integration Results



RT: 3.11
Area: 1304288
Amount: 1.046984
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 10:14:38

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B18.d

Injection Date: 11-Aug-2022 20:50:20

Instrument ID: LC812

Lims ID: 460-263422-A-2-C MSD

Client ID:

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

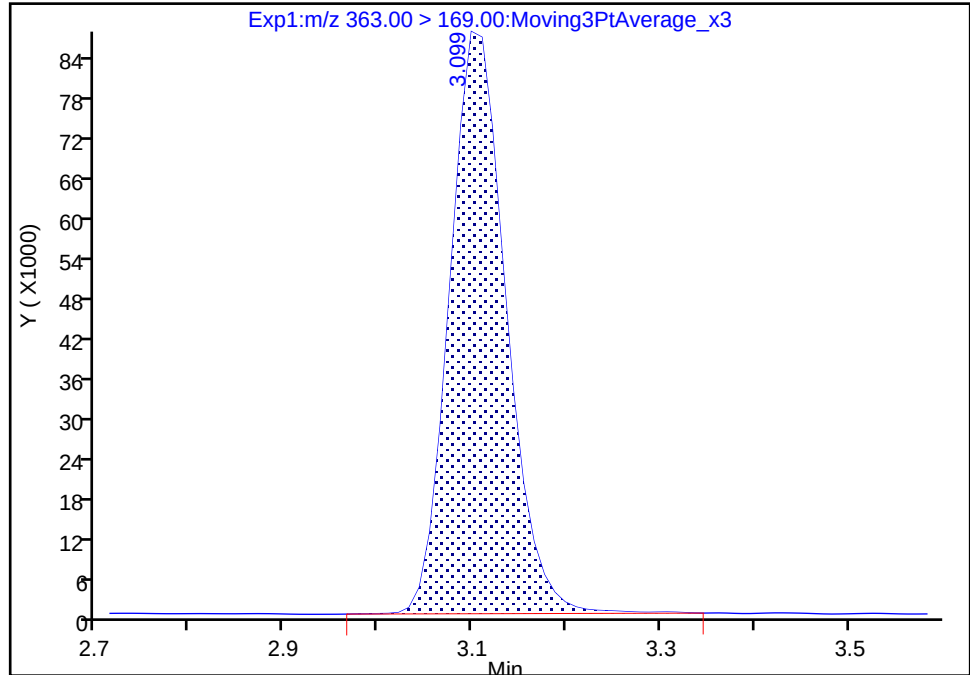
EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

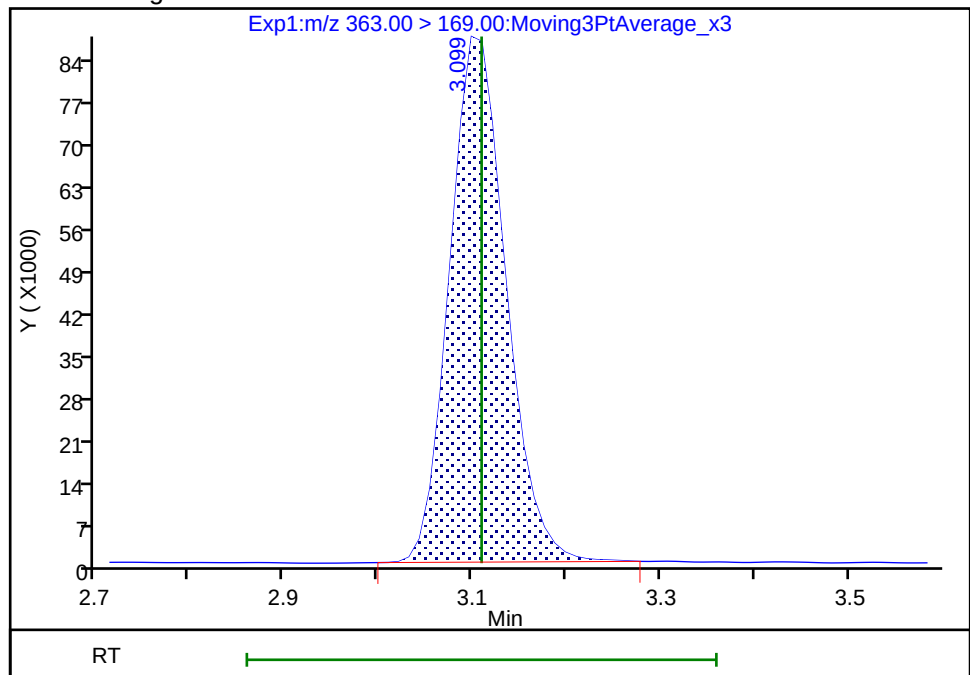
RT: 3.10
Area: 363220
Amount: 1.051982
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 361065
Amount: 1.046984
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 10:14:43

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

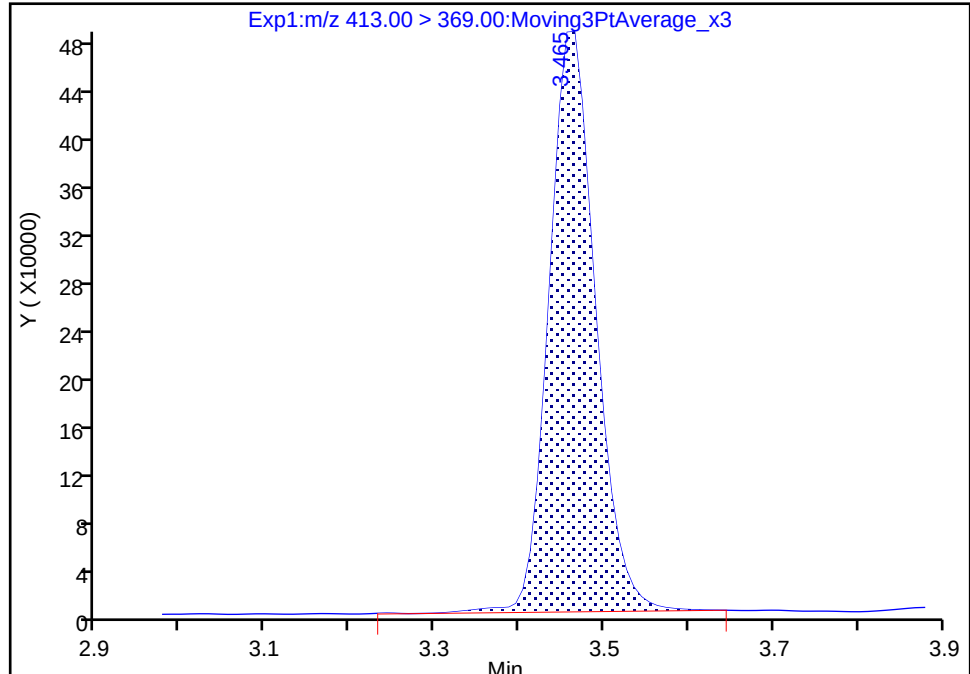
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B18.d
Injection Date: 11-Aug-2022 20:50:20 Instrument ID: LC812
Lims ID: 460-263422-A-2-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

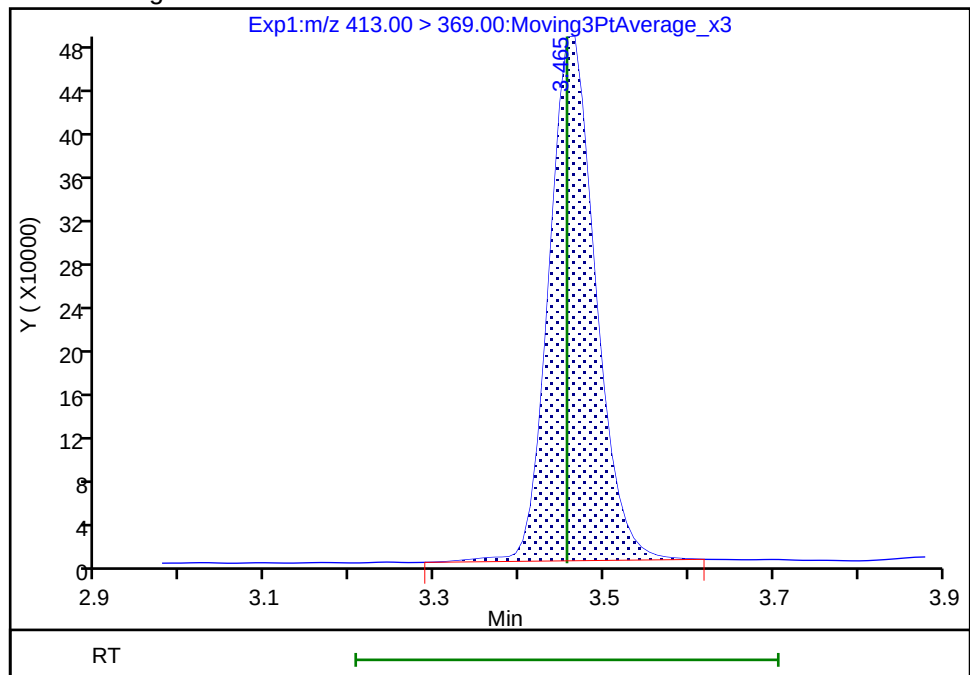
RT: 3.47
Area: 1830065
Amount: 1.285029
Amount Units: ng/ml

Processing Integration Results



RT: 3.47
Area: 1824499
Amount: 1.281121
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 10:15:09
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1640 of 1695

08/18/2022

Eurofins Burlington

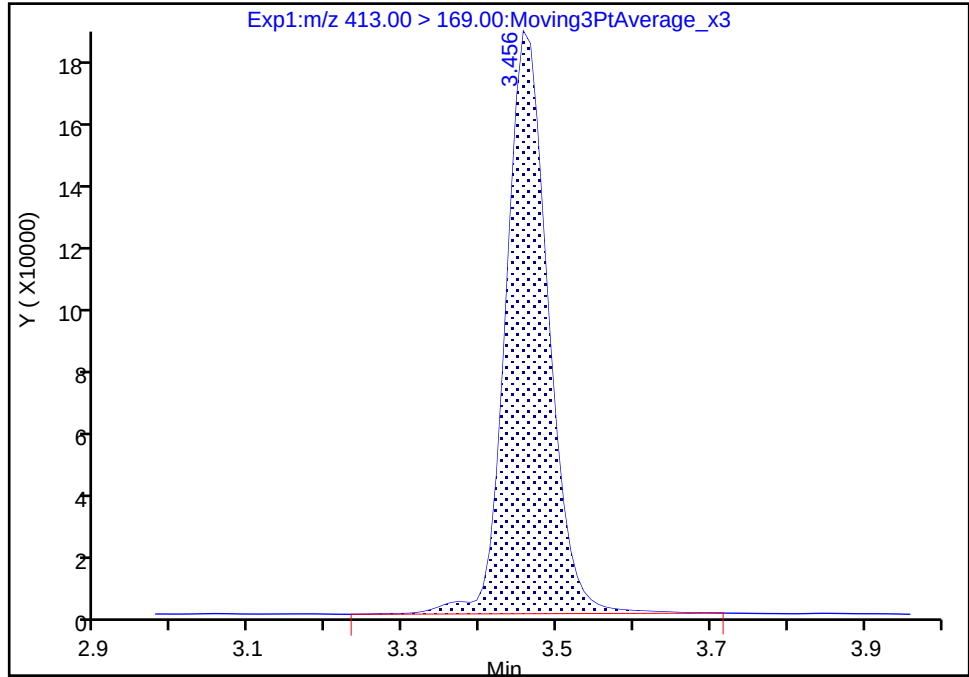
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B18.d
Injection Date: 11-Aug-2022 20:50:20 Instrument ID: LC812
Lims ID: 460-263422-A-2-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

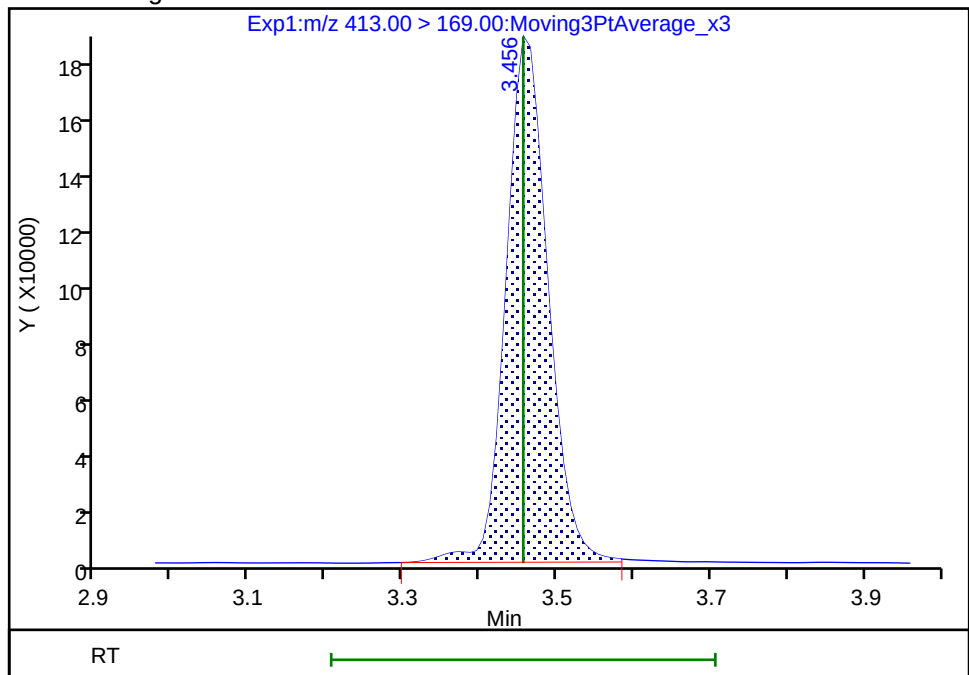
RT: 3.46
Area: 703535
Amount: 1.285029
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 697393
Amount: 1.281121
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 10:15:17

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B18.d

Injection Date: 11-Aug-2022 20:50:20

Instrument ID: LC812

Lims ID: 460-263422-A-2-C MSD

Client ID:

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

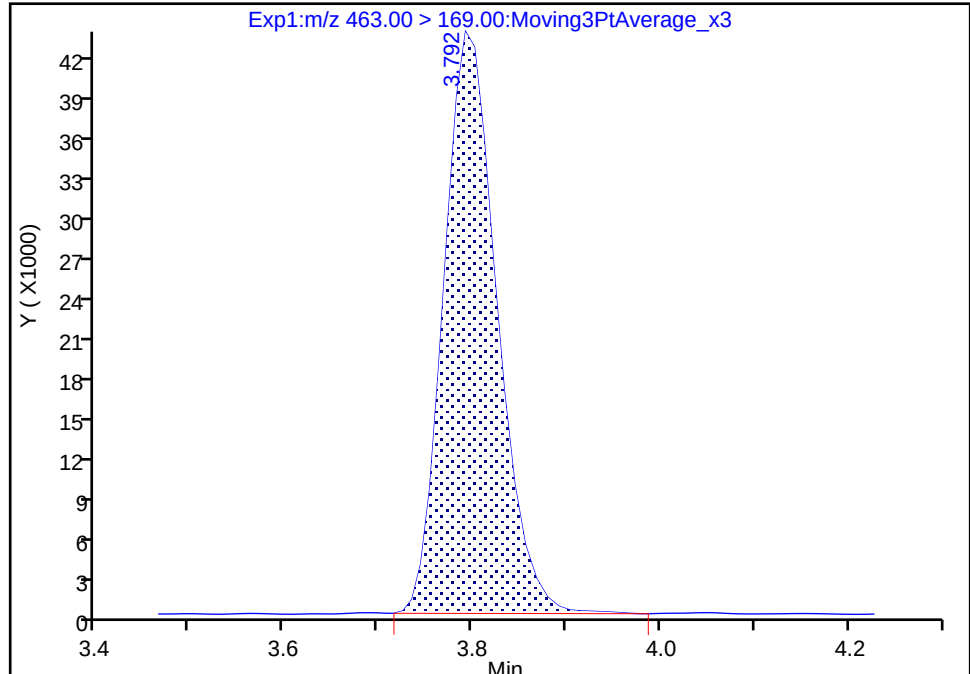
EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

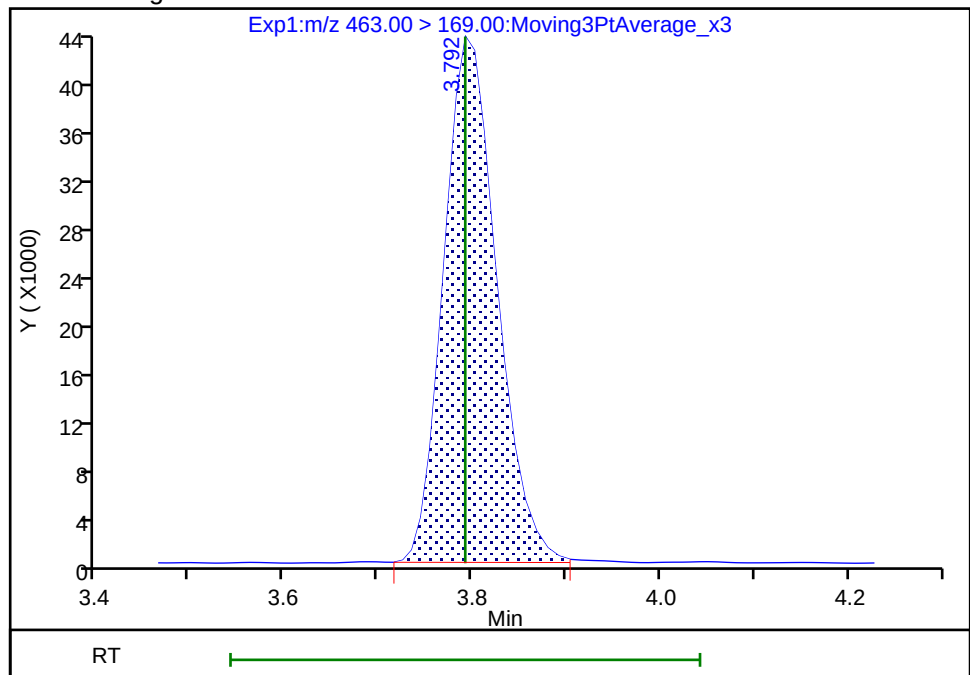
RT: 3.79
Area: 172462
Amount: 1.053918
Amount Units: ng/ml

Processing Integration Results



RT: 3.79
Area: 171882
Amount: 1.053918
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 10:15:42

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

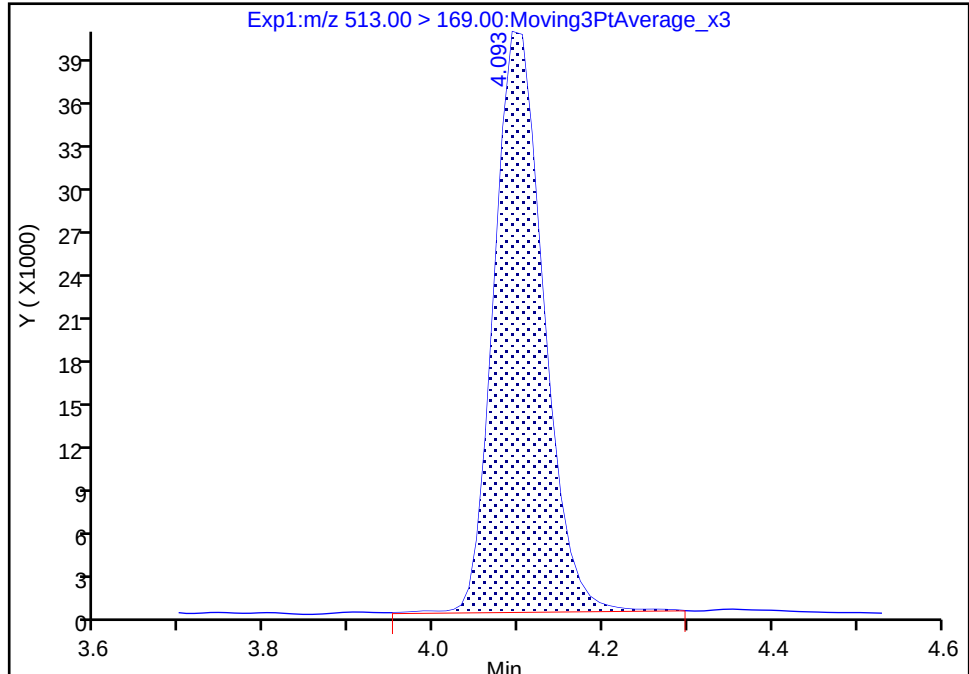
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B18.d
Injection Date: 11-Aug-2022 20:50:20 Instrument ID: LC812
Lims ID: 460-263422-A-2-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

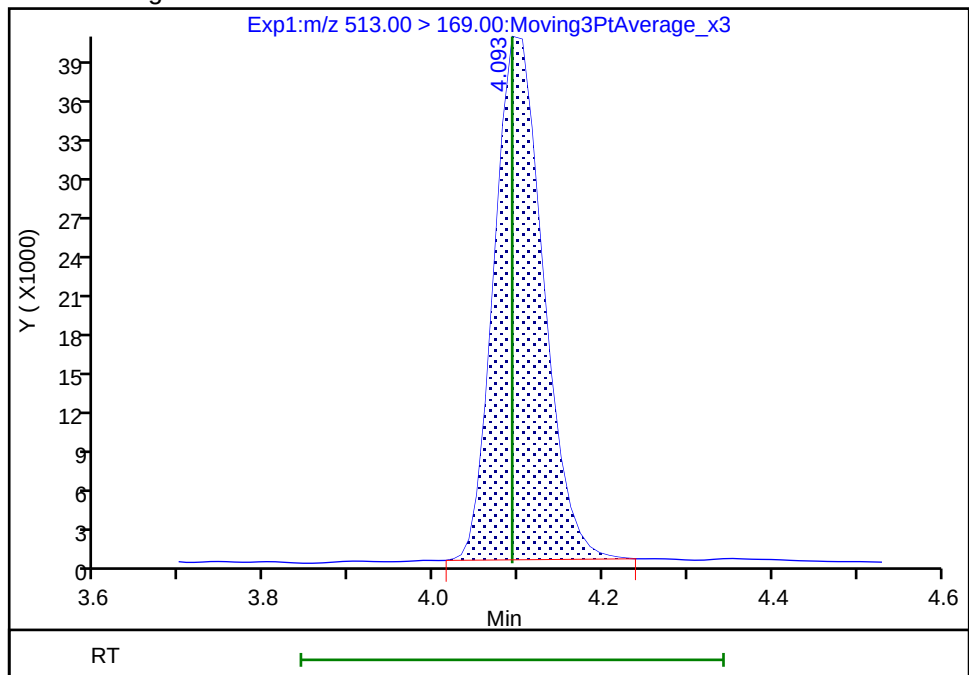
RT: 4.09
Area: 165812
Amount: 1.002247
Amount Units: ng/ml

Processing Integration Results



RT: 4.09
Area: 163273
Amount: 1.002247
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 10:16:02
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1643 of 1695

08/18/2022

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B18.d

Injection Date: 11-Aug-2022 20:50:20

Instrument ID: LC812

Lims ID: 460-263422-A-2-C MSD

Client ID:

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

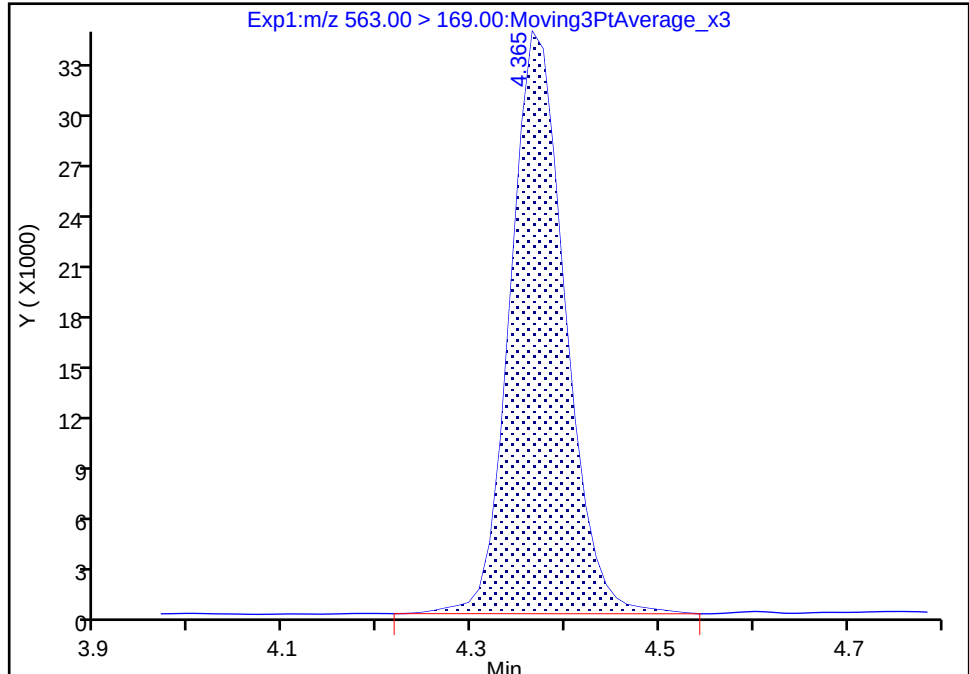
EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

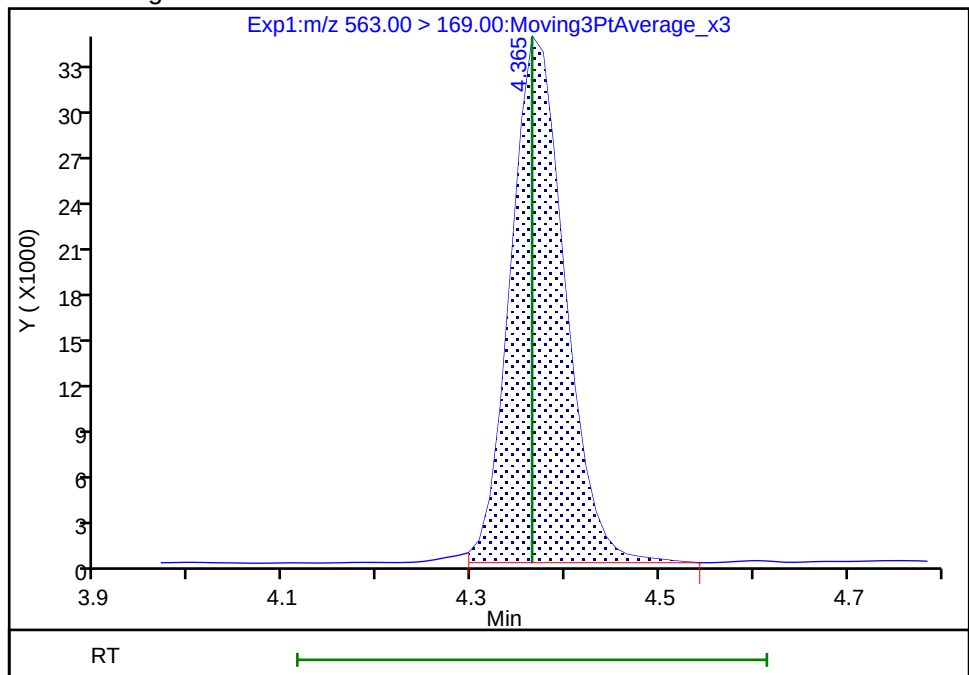
RT: 4.36
Area: 138352
Amount: 0.976059
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 137342
Amount: 0.976059
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 12:09:10

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B18.d

Injection Date: 11-Aug-2022 20:50:20

Instrument ID: LC812

Lims ID: 460-263422-A-2-C MSD

Client ID:

Operator ID: lc812tech

ALS Bottle#:

18

Worklist Smp#: 18

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

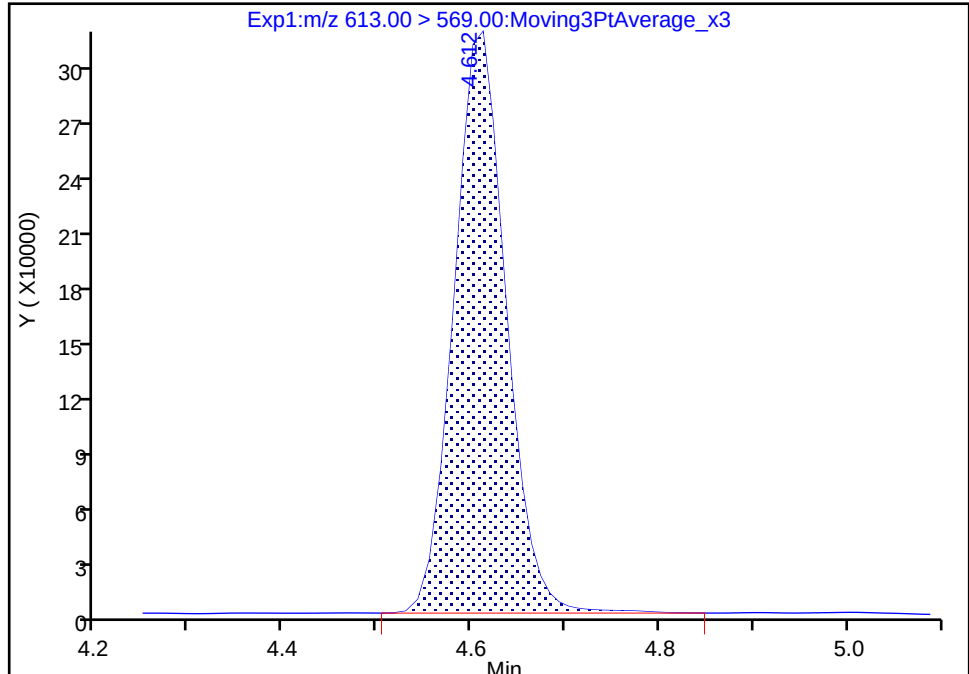
EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

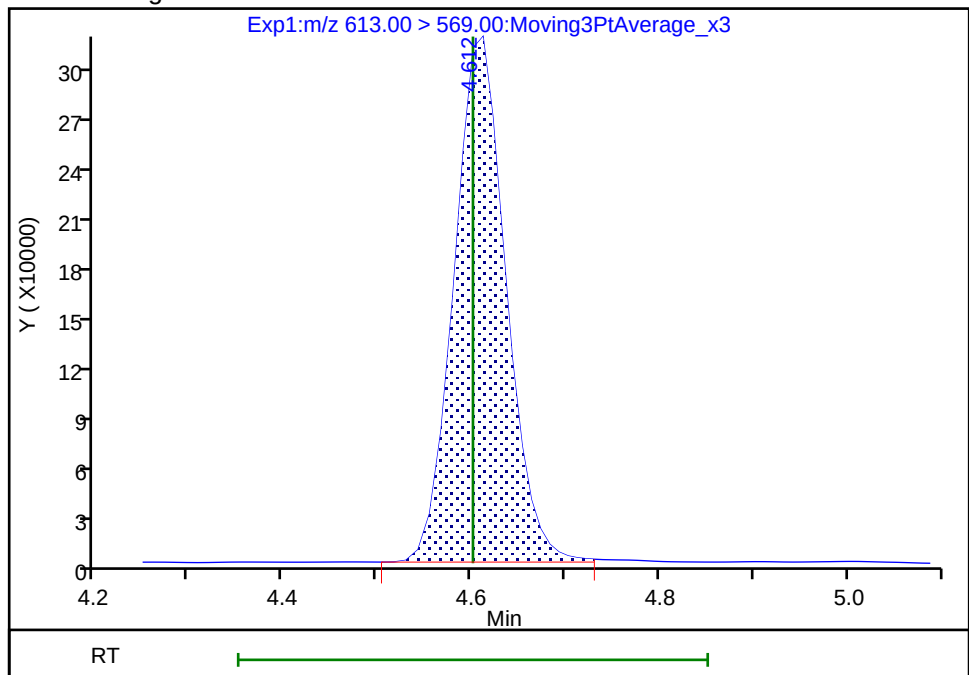
RT: 4.61
Area: 1204187
Amount: 0.999711
Amount Units: ng/ml

Processing Integration Results



RT: 4.61
Area: 1199163
Amount: 1.005269
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 10:18:01

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

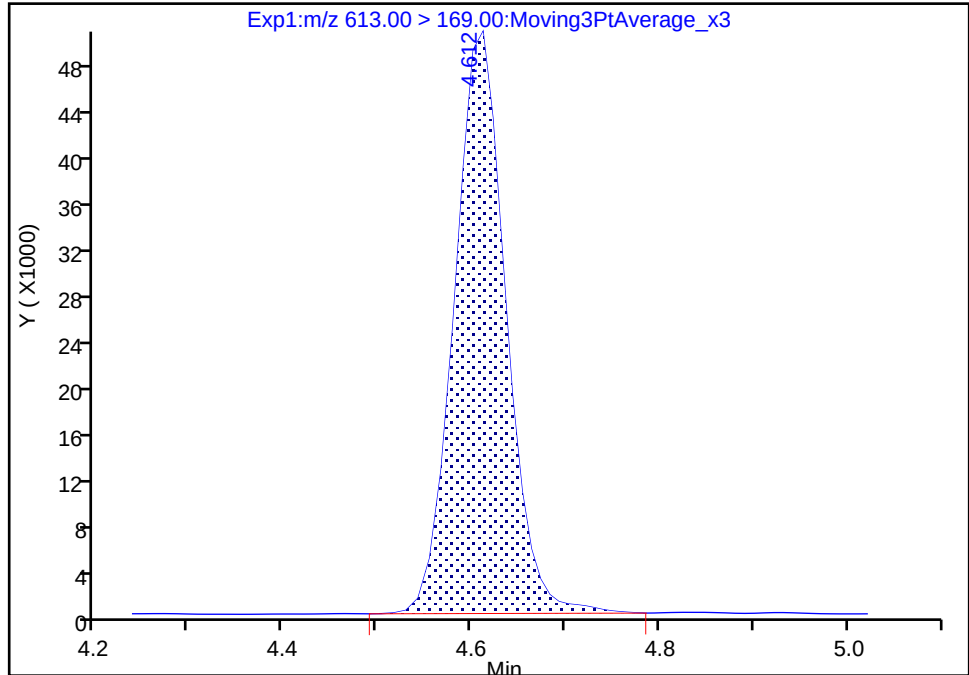
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B18.d
Injection Date: 11-Aug-2022 20:50:20 Instrument ID: LC812
Lims ID: 460-263422-A-2-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

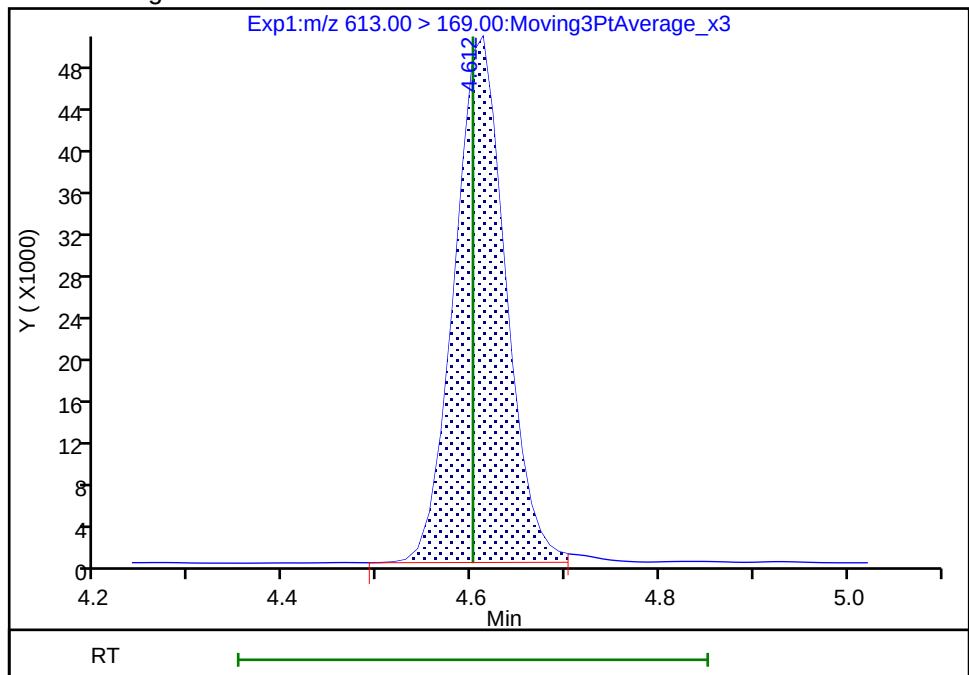
RT: 4.61
Area: 191013
Amount: 0.999711
Amount Units: ng/ml

Processing Integration Results



RT: 4.61
Area: 189384
Amount: 1.005269
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 10:18:04

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

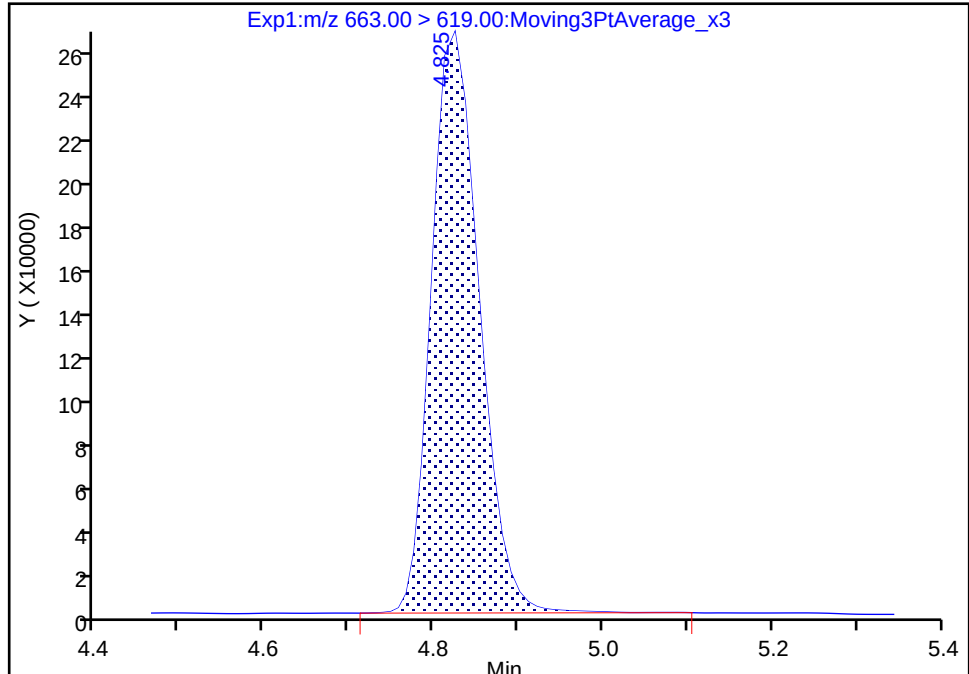
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B18.d
Injection Date: 11-Aug-2022 20:50:20 Instrument ID: LC812
Lims ID: 460-263422-A-2-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

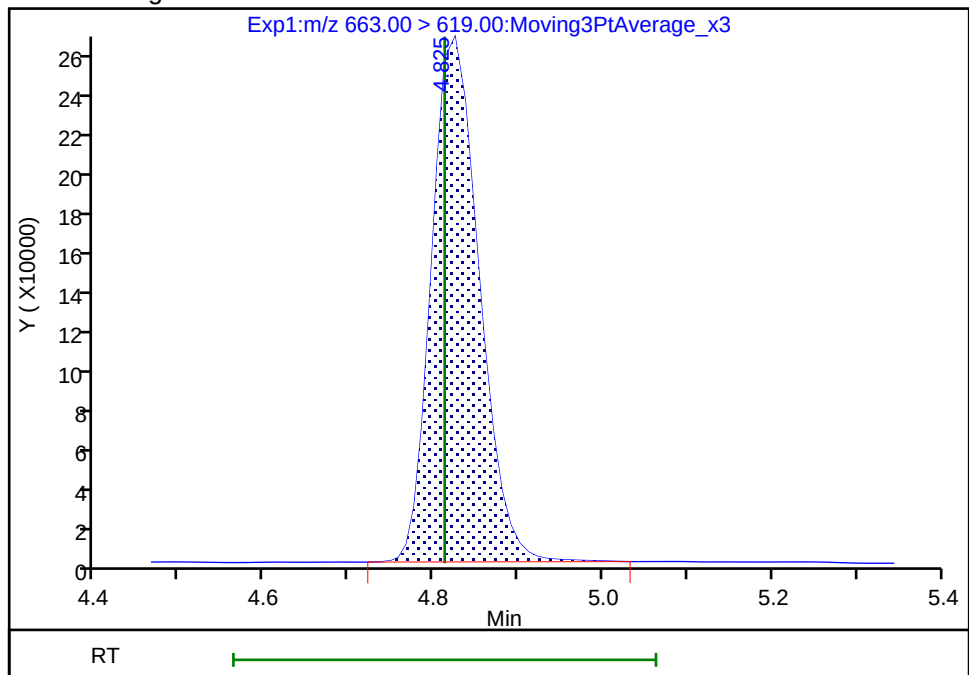
RT: 4.82
Area: 1024773
Amount: 0.981423
Amount Units: ng/ml

Processing Integration Results



RT: 4.82
Area: 1023395
Amount: 0.989681
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 10:18:26
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1647 of 1695

08/18/2022

Eurofins Burlington

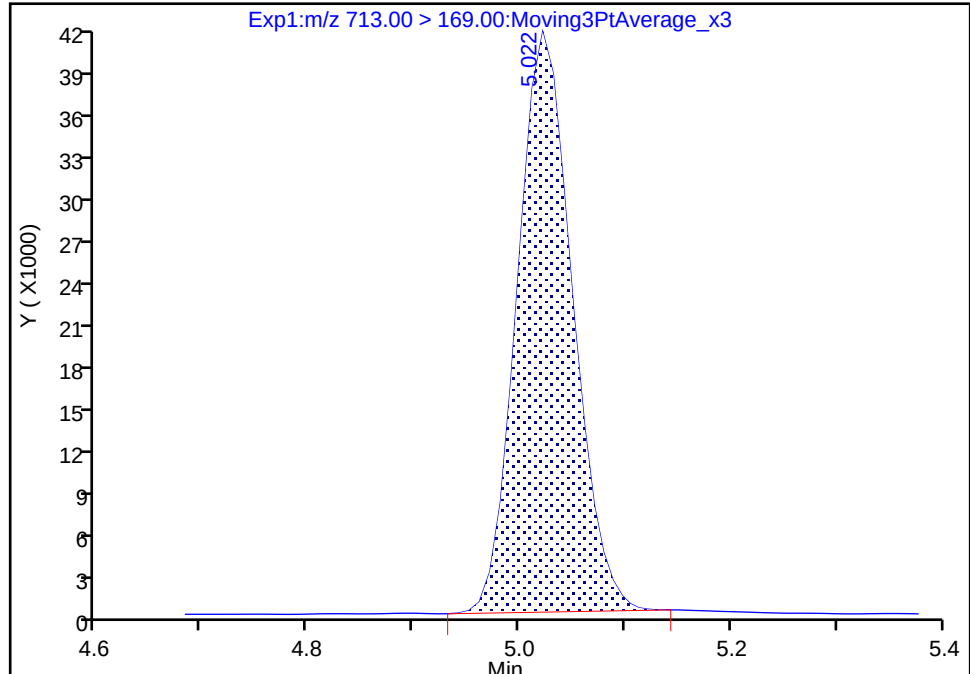
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B18.d
Injection Date: 11-Aug-2022 20:50:20 Instrument ID: LC812
Lims ID: 460-263422-A-2-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

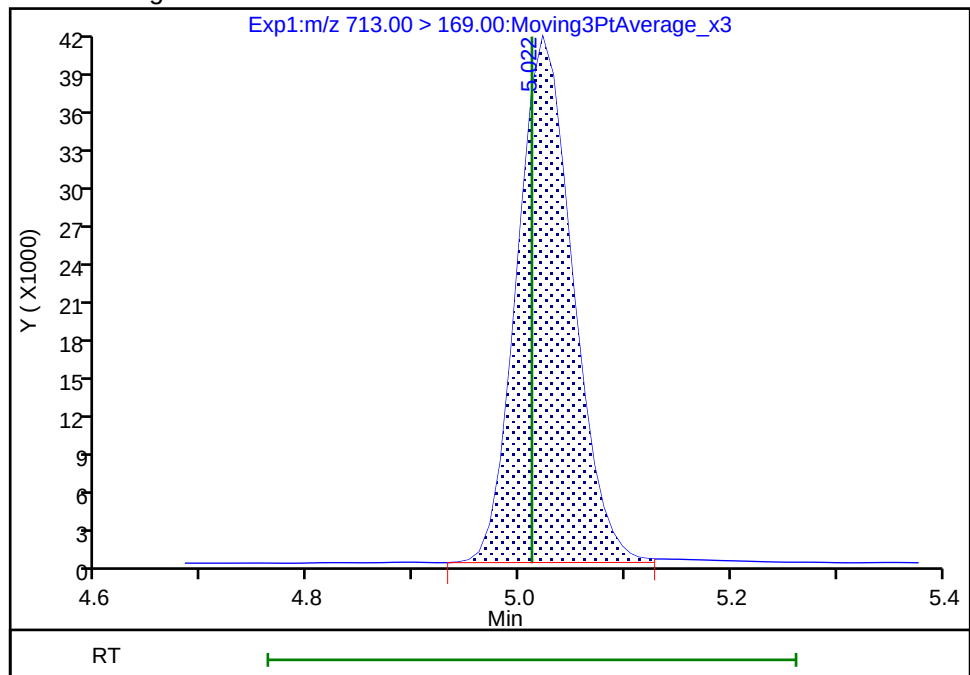
RT: 5.02
Area: 149703
Amount: 1.048645
Amount Units: ng/ml

Processing Integration Results



RT: 5.02
Area: 151012
Amount: 1.057814
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 10:18:42
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1648 of 1695

08/18/2022

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B18.d

Injection Date: 11-Aug-2022 20:50:20

Instrument ID: LC812

Lims ID: 460-263422-A-2-C MSD

Client ID:

Operator ID: lc812tech

ALS Bottle#:

18

Worklist Smp#: 18

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

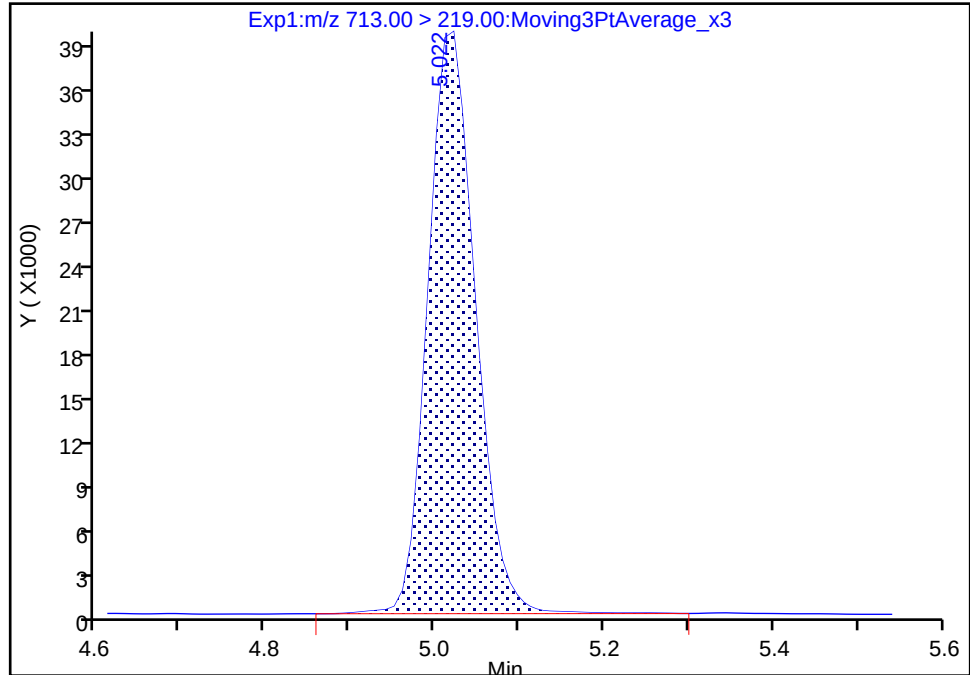
EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

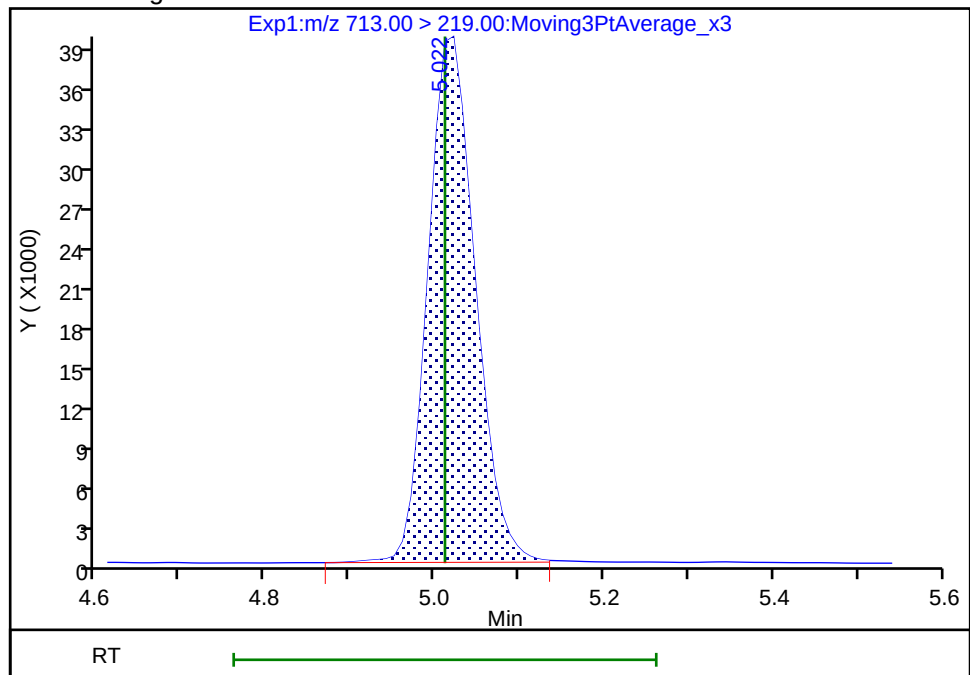
RT: 5.02
Area: 151819
Amount: 1.048645
Amount Units: ng/ml

Processing Integration Results



RT: 5.02
Area: 150988
Amount: 1.057814
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 10:18:51

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

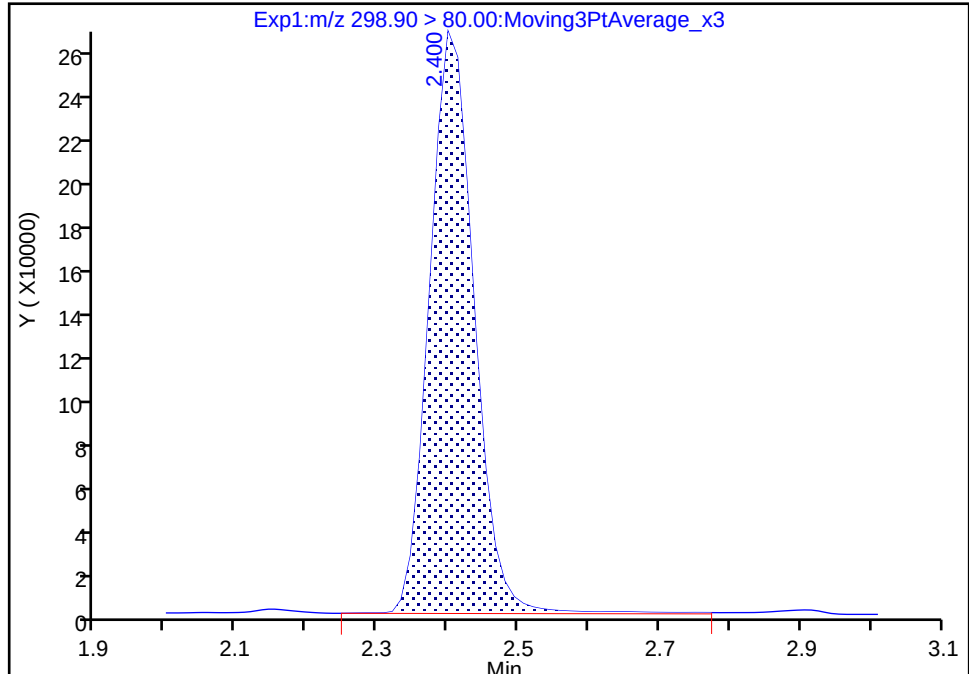
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B18.d
Injection Date: 11-Aug-2022 20:50:20 Instrument ID: LC812
Lims ID: 460-263422-A-2-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

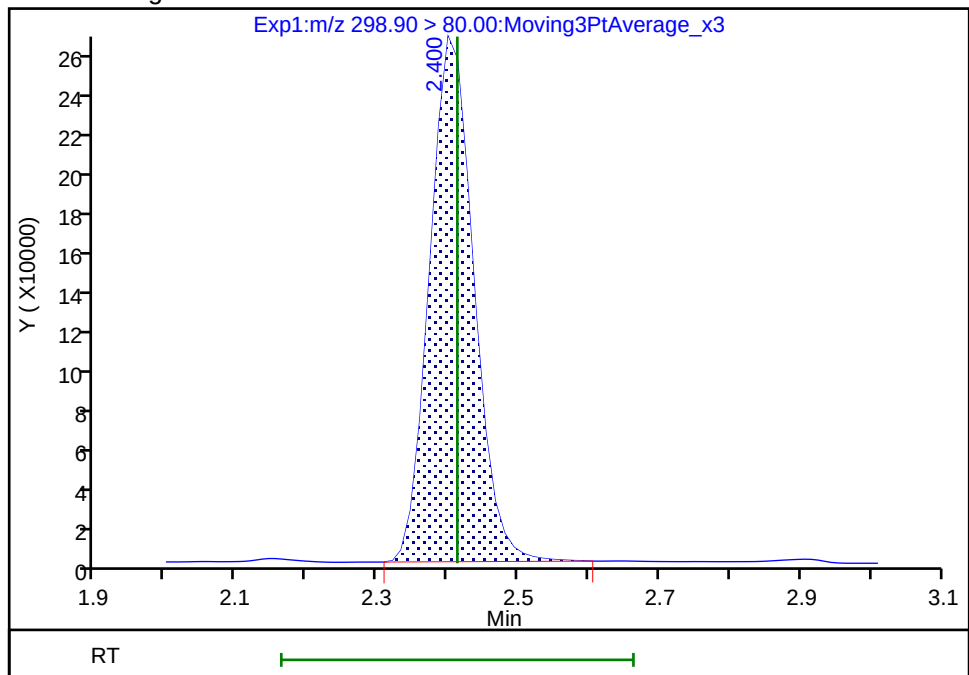
RT: 2.40
Area: 1175452
Amount: 0.922181
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 1159759
Amount: 0.909869
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 10:13:44
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B18.d

Injection Date: 11-Aug-2022 20:50:20

Instrument ID: LC812

Lims ID: 460-263422-A-2-C MSD

Client ID:

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

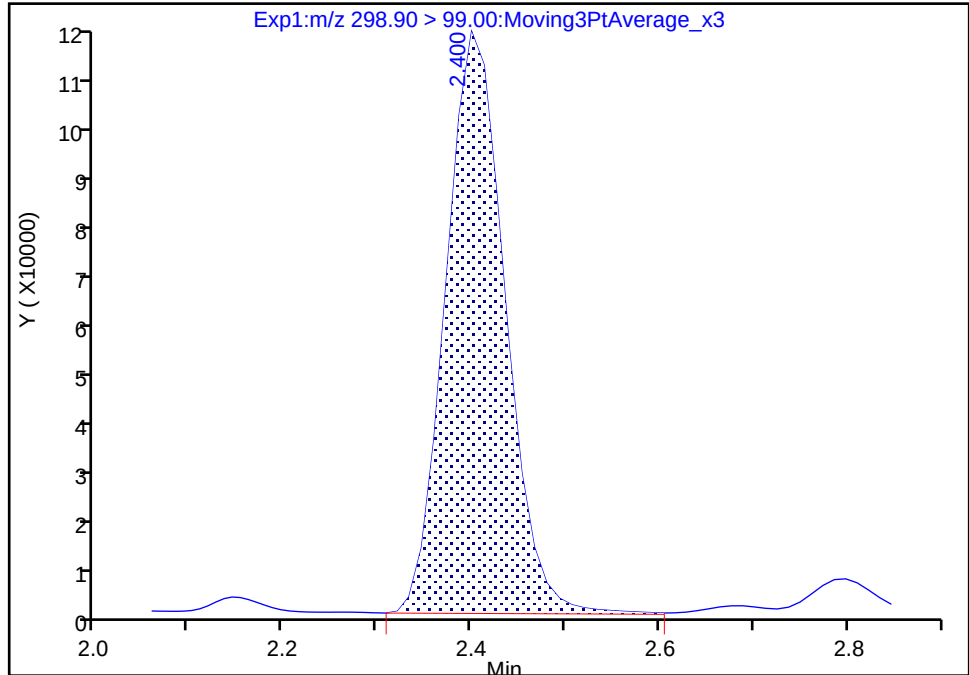
EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

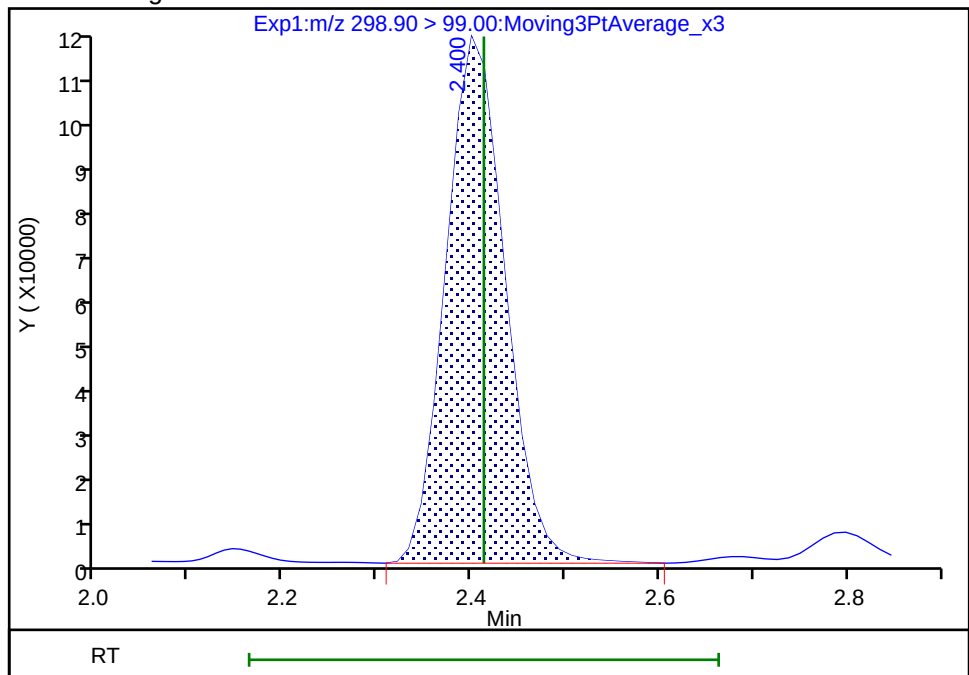
RT: 2.40
Area: 525515
Amount: 0.922181
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 523186
Amount: 0.909869
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 10:13:49

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B18.d

Injection Date: 11-Aug-2022 20:50:20

Instrument ID: LC812

Lims ID: 460-263422-A-2-C MSD

Client ID:

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

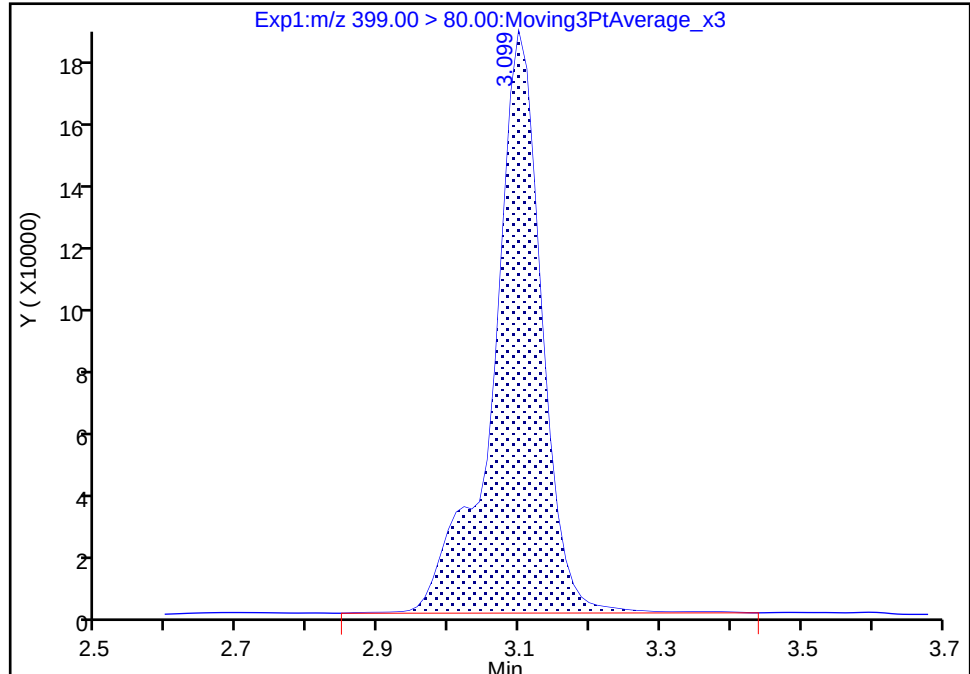
EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

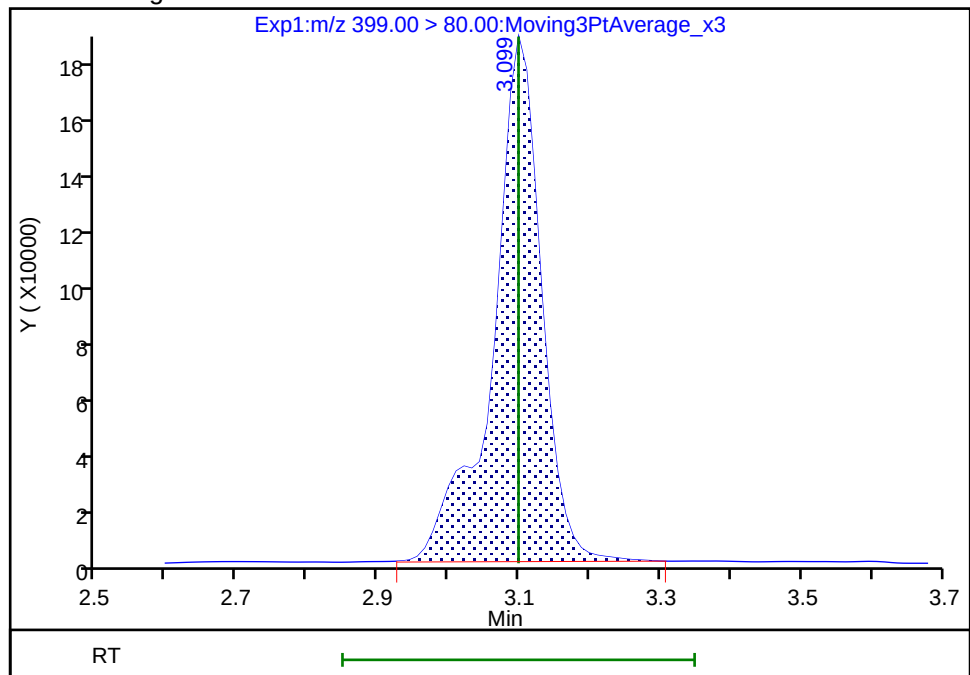
RT: 3.10
Area: 876768
Amount: 0.929739
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 870475
Amount: 0.923066
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 10:14:27

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B18.d

Injection Date: 11-Aug-2022 20:50:20

Instrument ID: LC812

Lims ID: 460-263422-A-2-C MSD

Client ID:

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

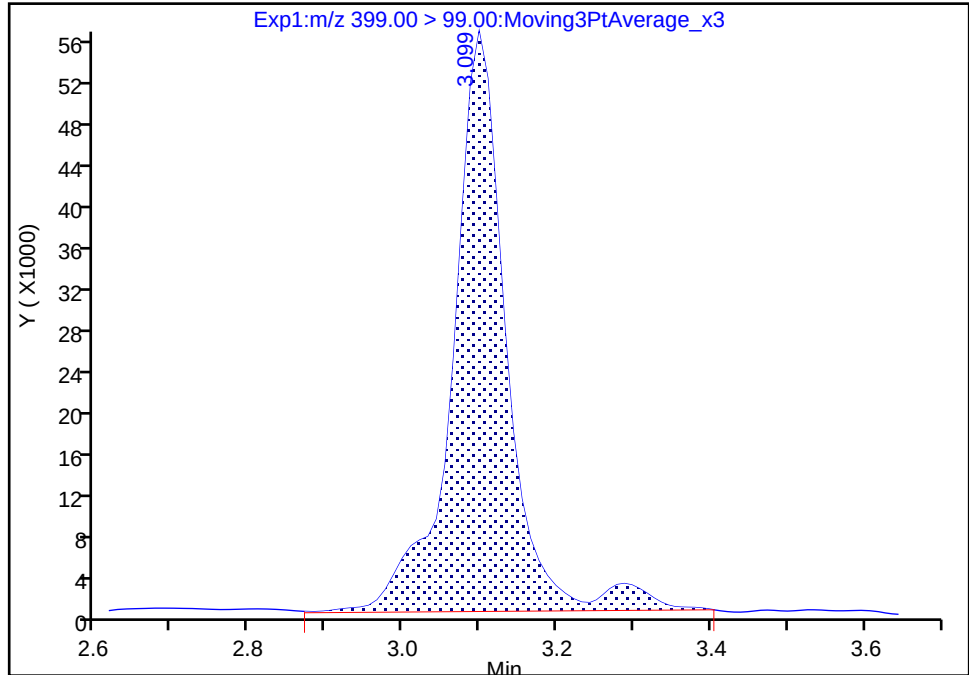
EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

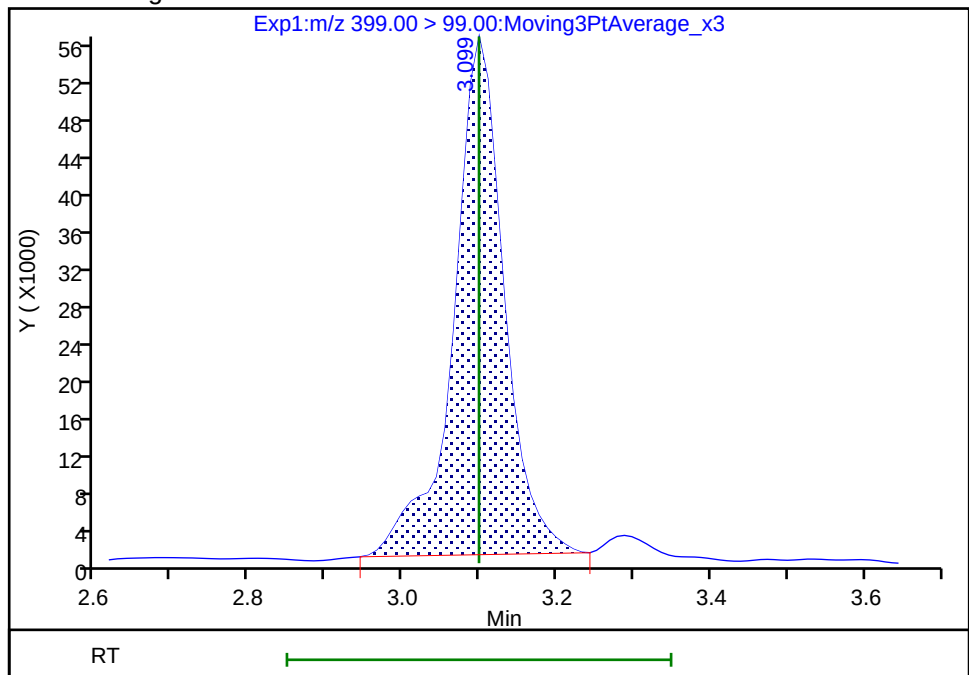
RT: 3.10
Area: 275157
Amount: 0.929739
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 251600
Amount: 0.923066
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 10:14:31

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

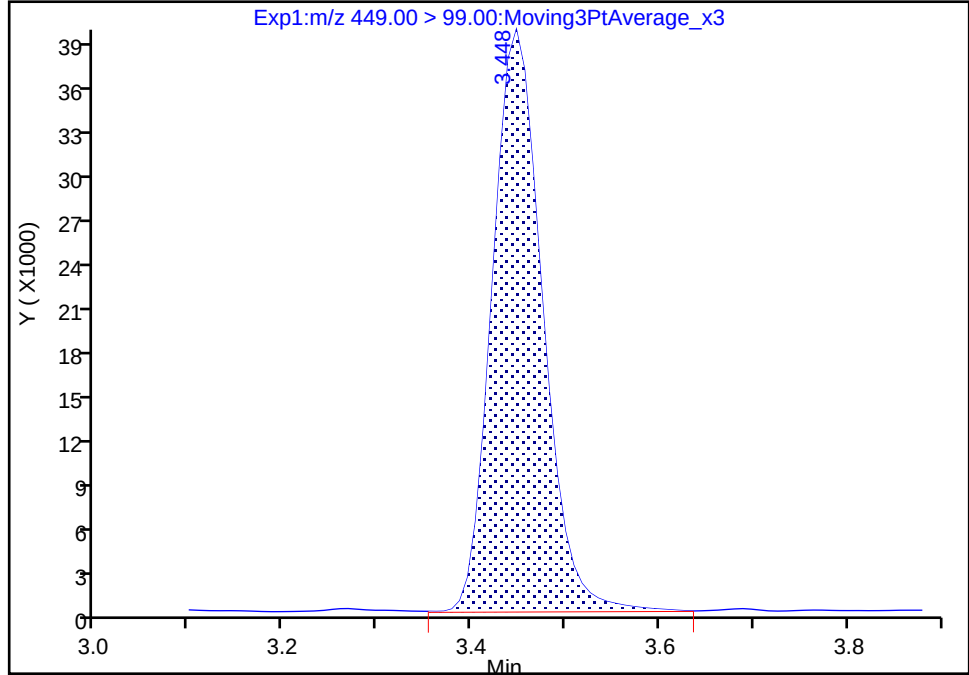
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B18.d
Injection Date: 11-Aug-2022 20:50:20 Instrument ID: LC812
Lims ID: 460-263422-A-2-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

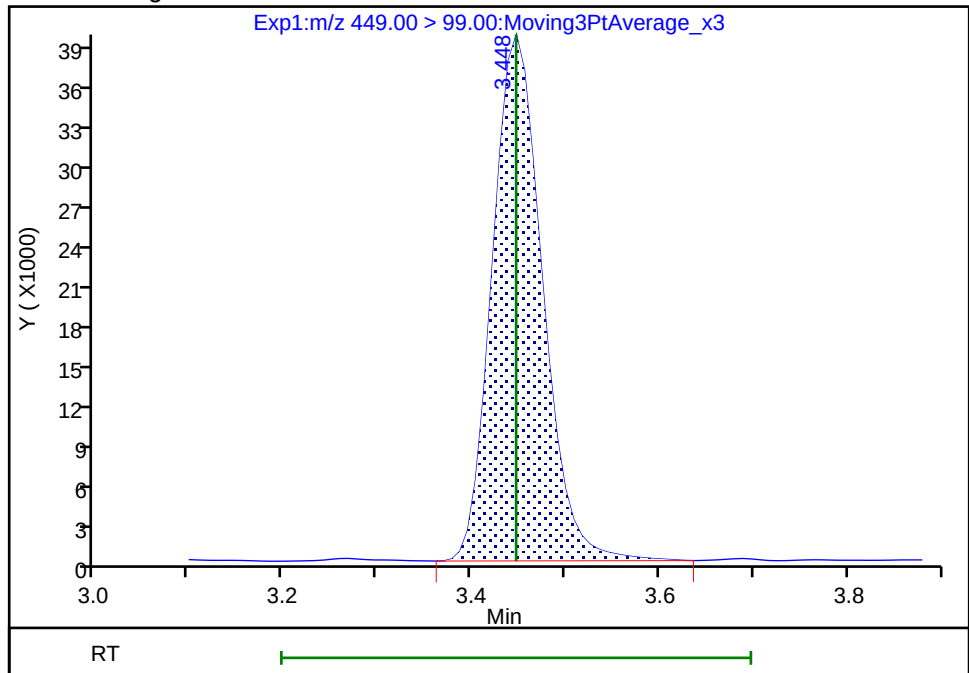
RT: 3.45
Area: 147081
Amount: 1.027601
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 146309
Amount: 1.027601
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 10:14:58
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1654 of 1695

08/18/2022

Eurofins Burlington

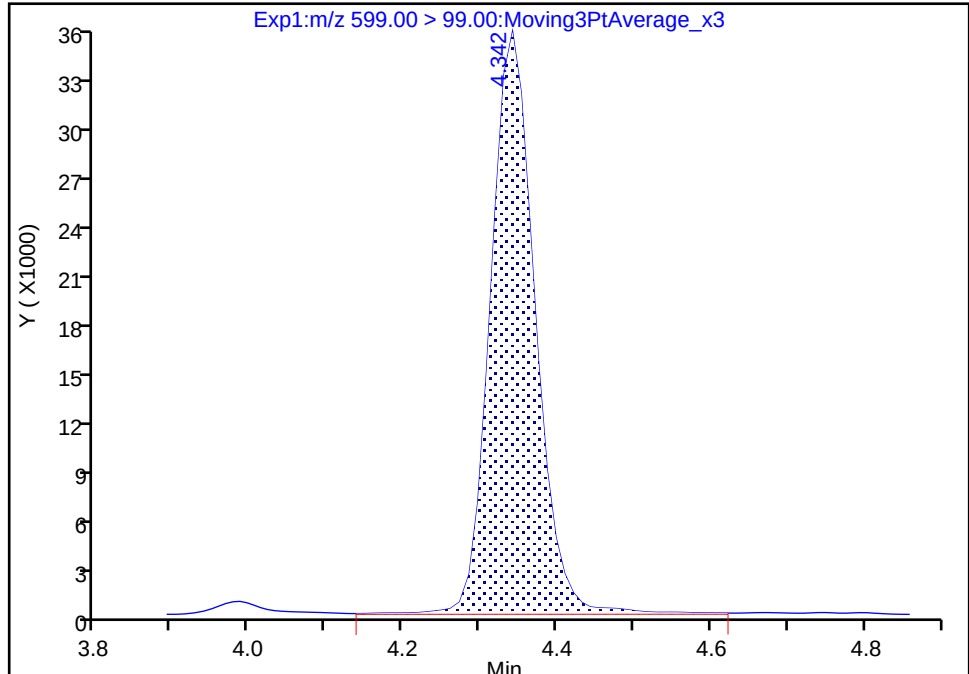
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B18.d
Injection Date: 11-Aug-2022 20:50:20 Instrument ID: LC812
Lims ID: 460-263422-A-2-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

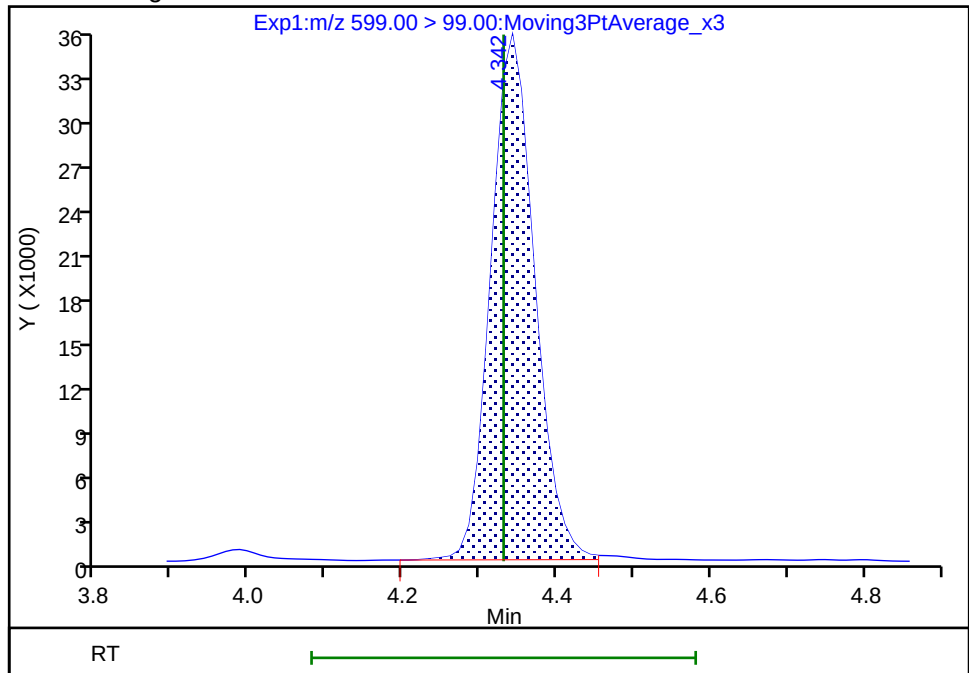
RT: 4.34
Area: 144791
Amount: 1.037158
Amount Units: ng/ml

Processing Integration Results



RT: 4.34
Area: 141464
Amount: 1.030148
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 10:17:16
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 1655 of 1695

08/18/2022

Eurofins Burlington

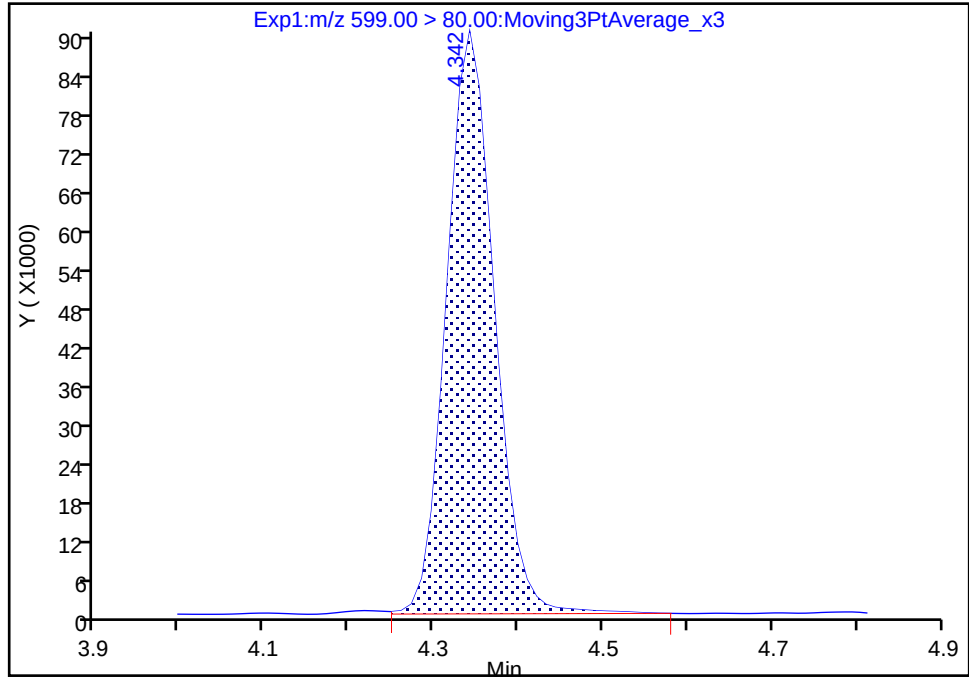
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B18.d
Injection Date: 11-Aug-2022 20:50:20 Instrument ID: LC812
Lims ID: 460-263422-A-2-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

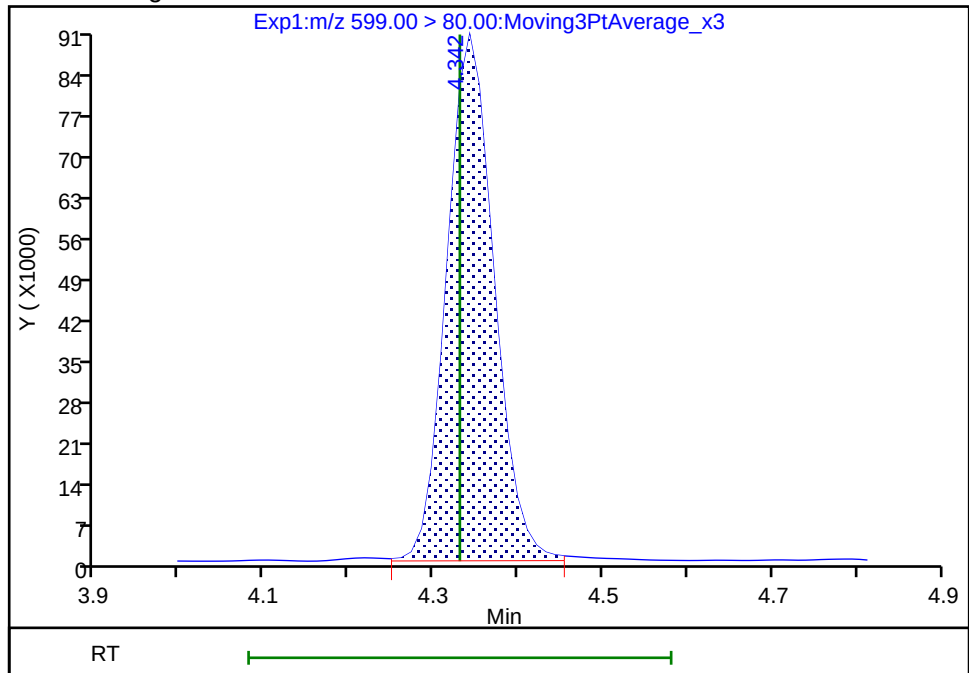
RT: 4.34
Area: 351246
Amount: 1.037158
Amount Units: ng/ml

Processing Integration Results



RT: 4.34
Area: 348872
Amount: 1.030148
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 10:17:18

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

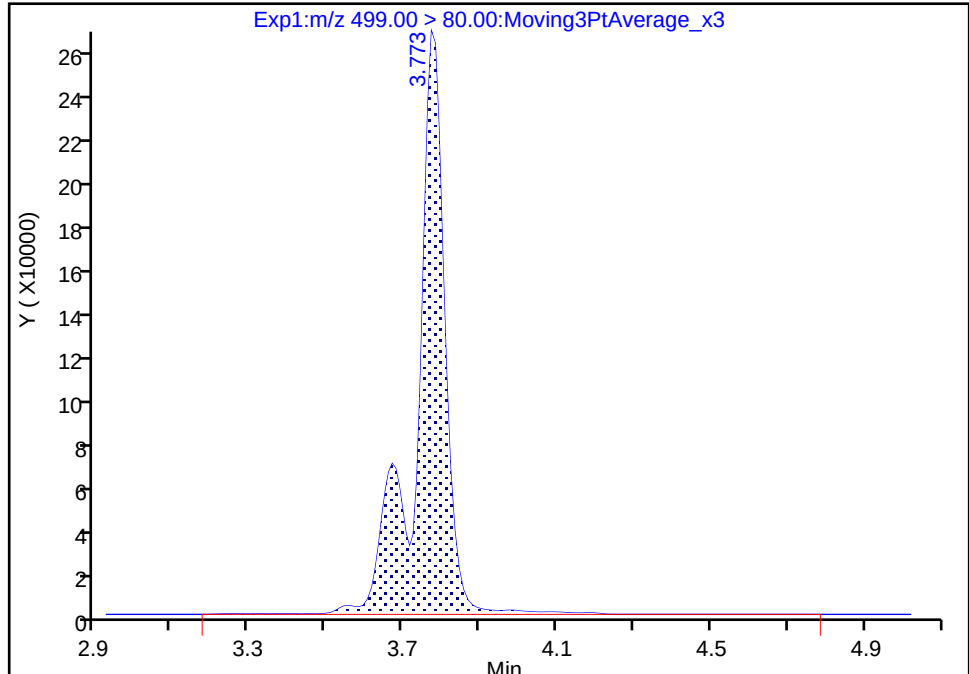
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B18.d
Injection Date: 11-Aug-2022 20:50:20 Instrument ID: LC812
Lims ID: 460-263422-A-2-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

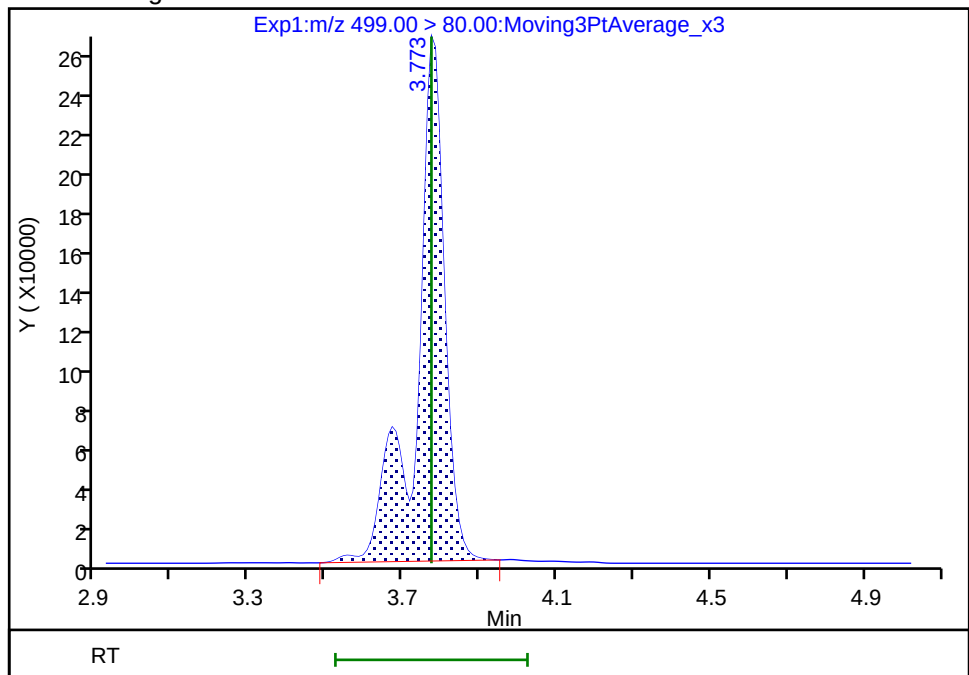
RT: 3.77
Area: 1385011
Amount: 2.376490
Amount Units: ng/ml

Processing Integration Results



RT: 3.77
Area: 1338443
Amount: 2.295964
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 10:15:25
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

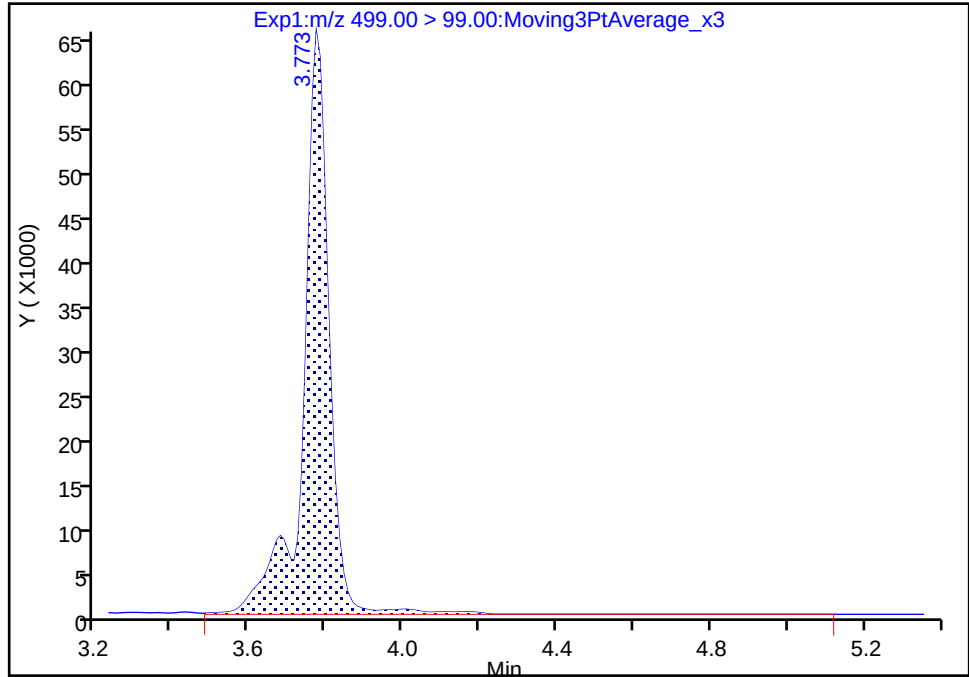
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B18.d
Injection Date: 11-Aug-2022 20:50:20 Instrument ID: LC812
Lims ID: 460-263422-A-2-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

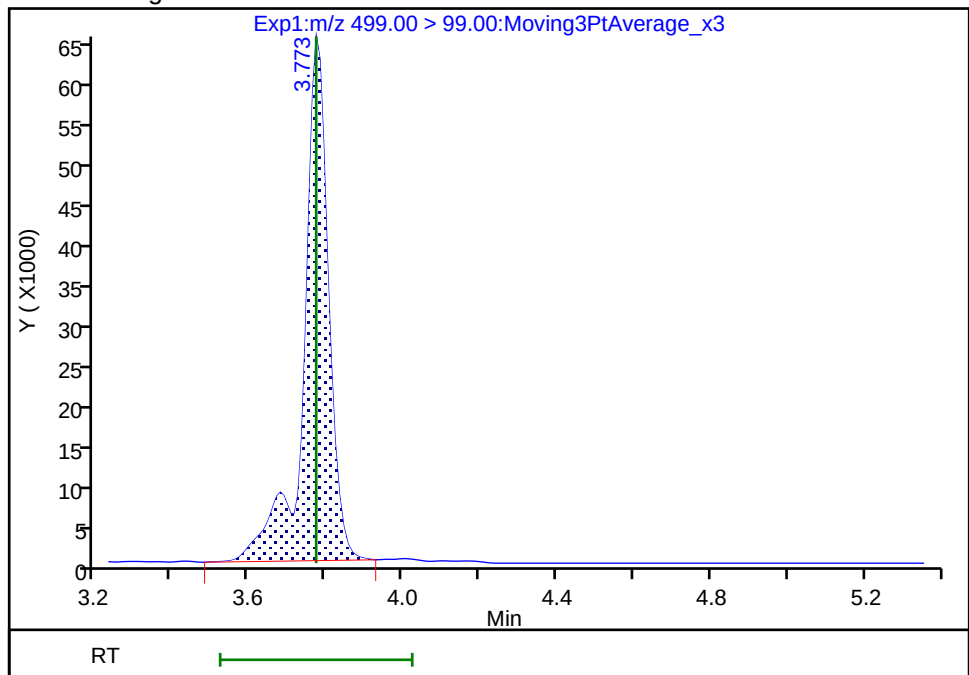
RT: 3.77
Area: 305742
Amount: 2.376490
Amount Units: ng/ml

Processing Integration Results



RT: 3.77
Area: 292491
Amount: 2.295964
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 10:15:31

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B18.d

Injection Date: 11-Aug-2022 20:50:20

Instrument ID: LC812

Lims ID: 460-263422-A-2-C MSD

Client ID:

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)

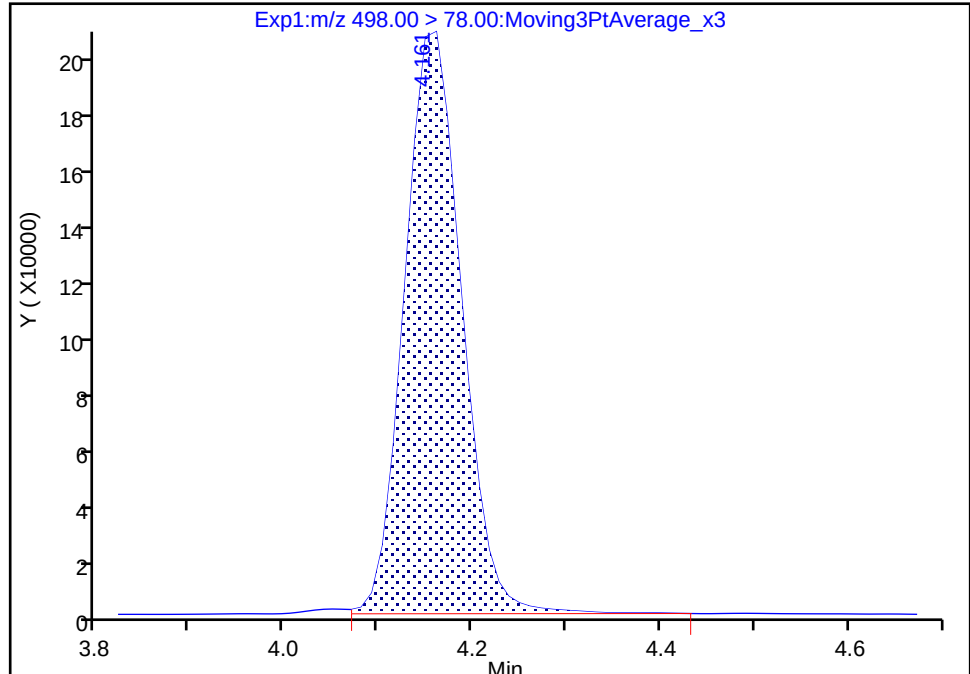
Detector: EXP1

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

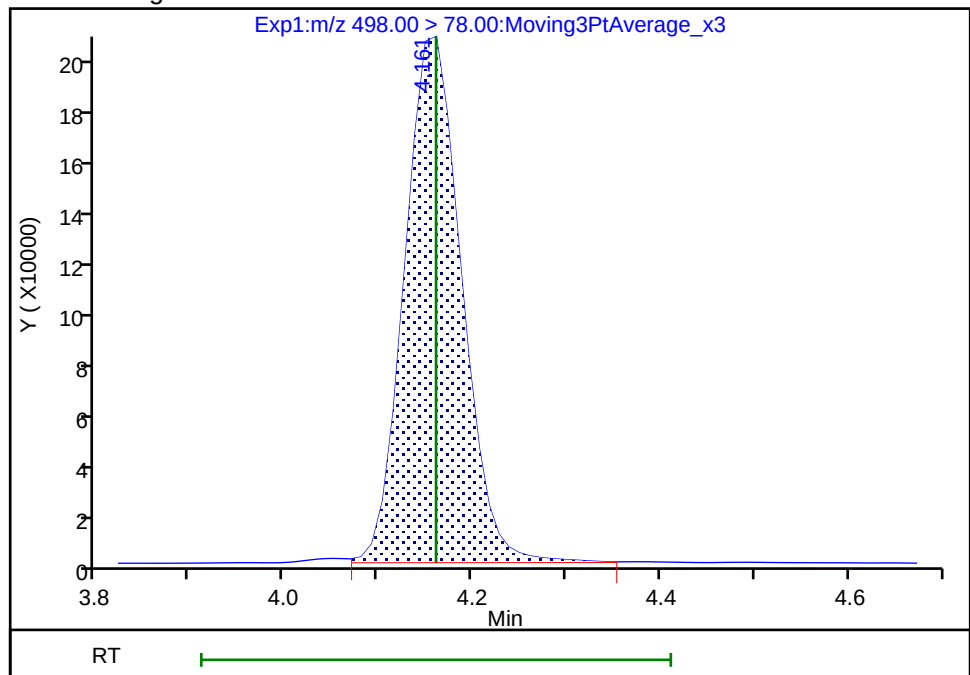
RT: 4.16
Area: 858327
Amount: 1.034891
Amount Units: ng/ml

Processing Integration Results



RT: 4.16
Area: 857398
Amount: 1.033771
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 10:16:40

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

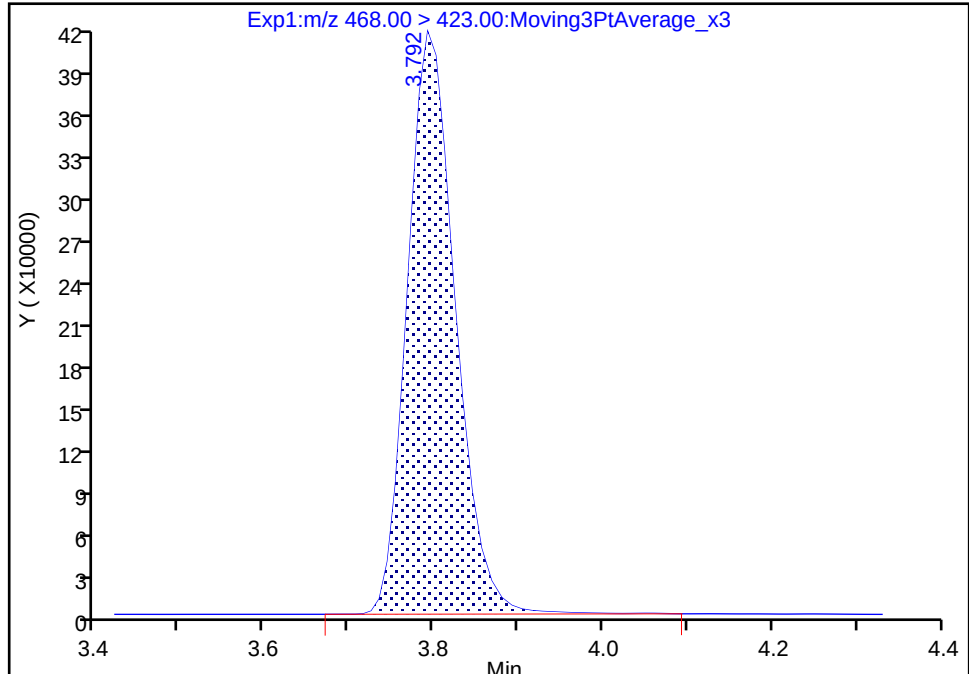
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B18.d
Injection Date: 11-Aug-2022 20:50:20 Instrument ID: LC812
Lims ID: 460-263422-A-2-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 19 13C5 PFNA, CAS: STL00995

Signal: 1

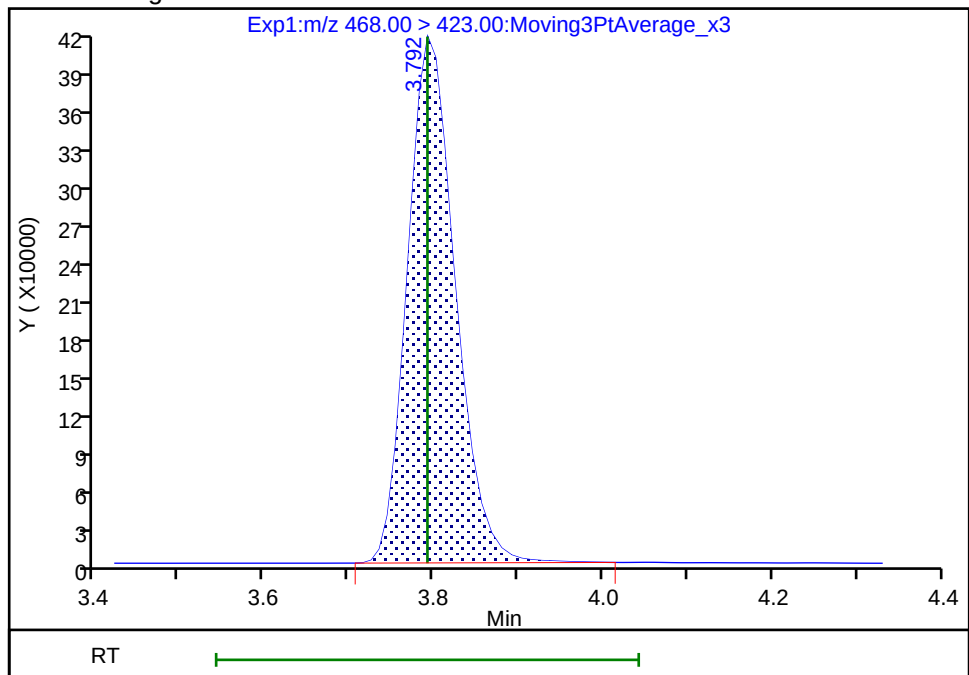
RT: 3.79
Area: 1615821
Amount: 1.117531
Amount Units: ng/ml

Processing Integration Results



RT: 3.79
Area: 1611648
Amount: 1.117760
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 10:13:04

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

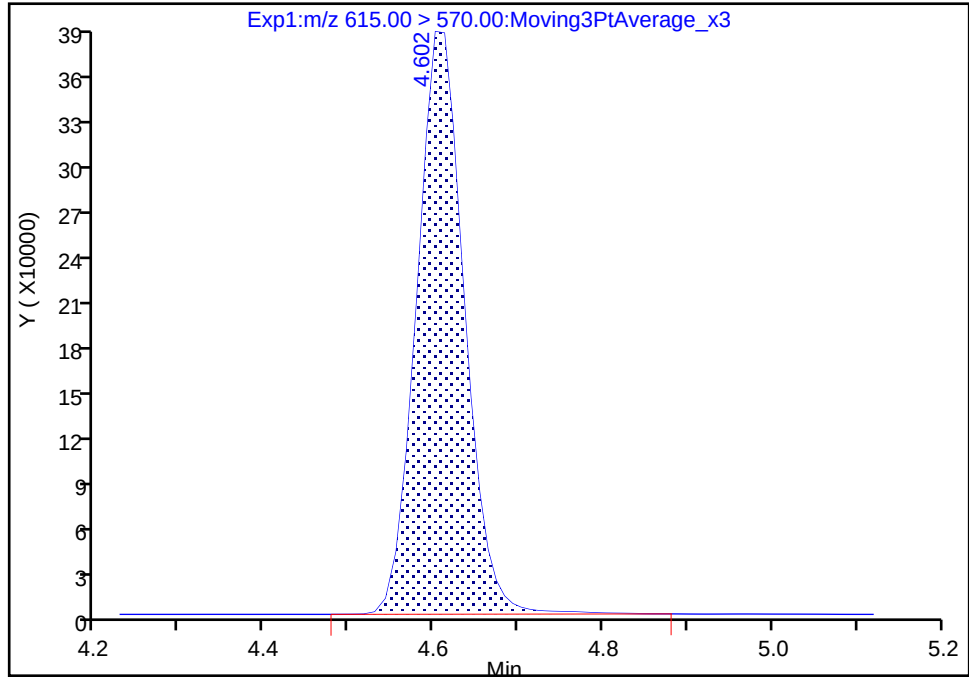
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B18.d
Injection Date: 11-Aug-2022 20:50:20 Instrument ID: LC812
Lims ID: 460-263422-A-2-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 36 13C2 PFD_oA, CAS: STL00998

Signal: 1

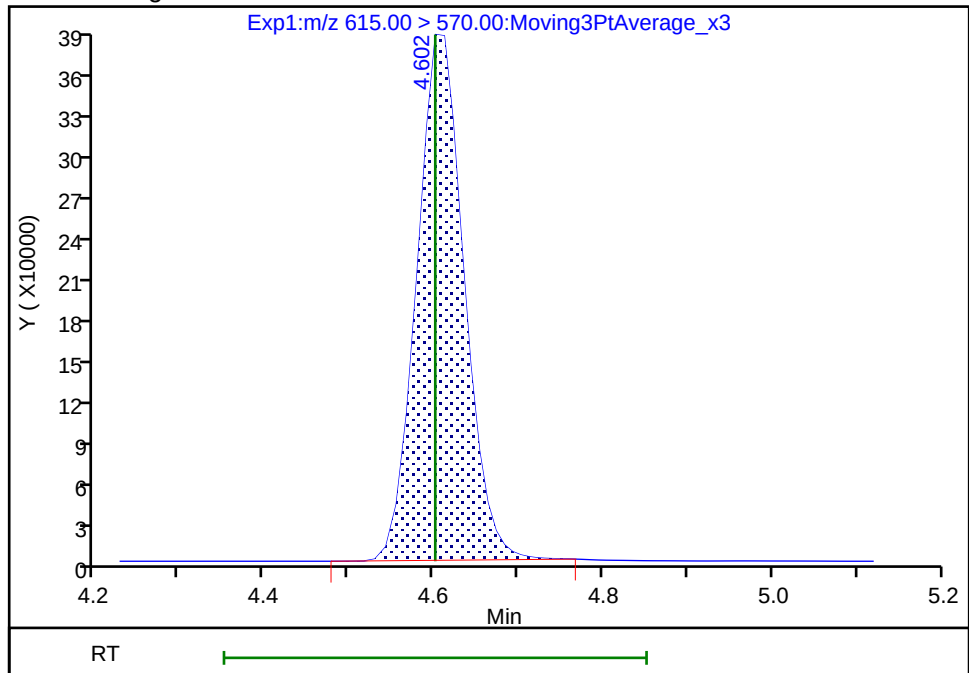
RT: 4.60
Area: 1484687
Amount: 1.347568
Amount Units: ng/ml

Processing Integration Results



RT: 4.60
Area: 1470319
Amount: 1.334527
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 12:09:21
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

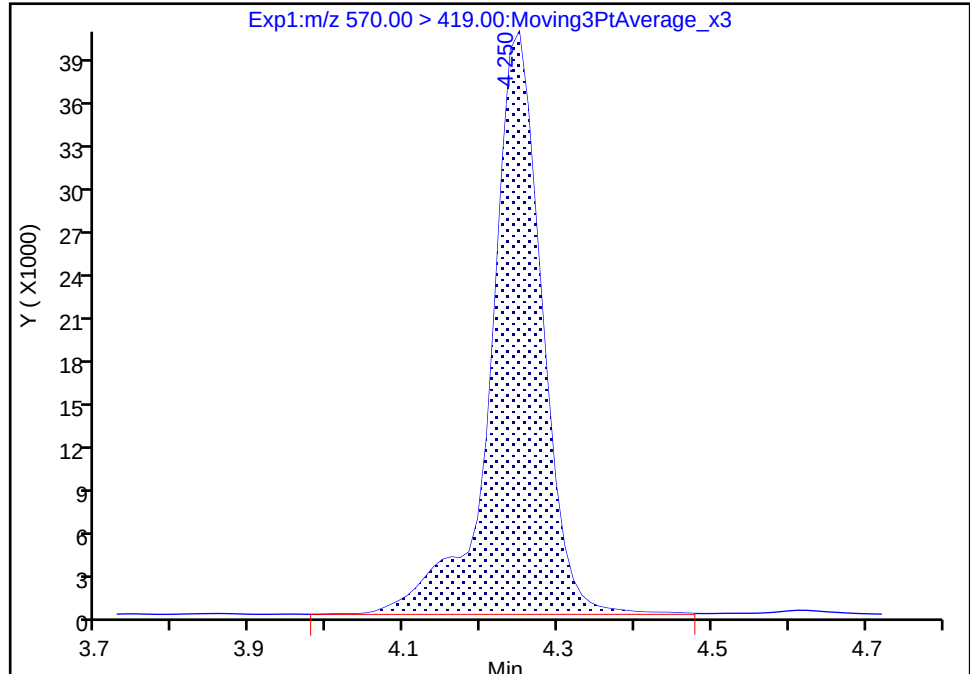
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B18.d
Injection Date: 11-Aug-2022 20:50:20 Instrument ID: LC812
Lims ID: 460-263422-A-2-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

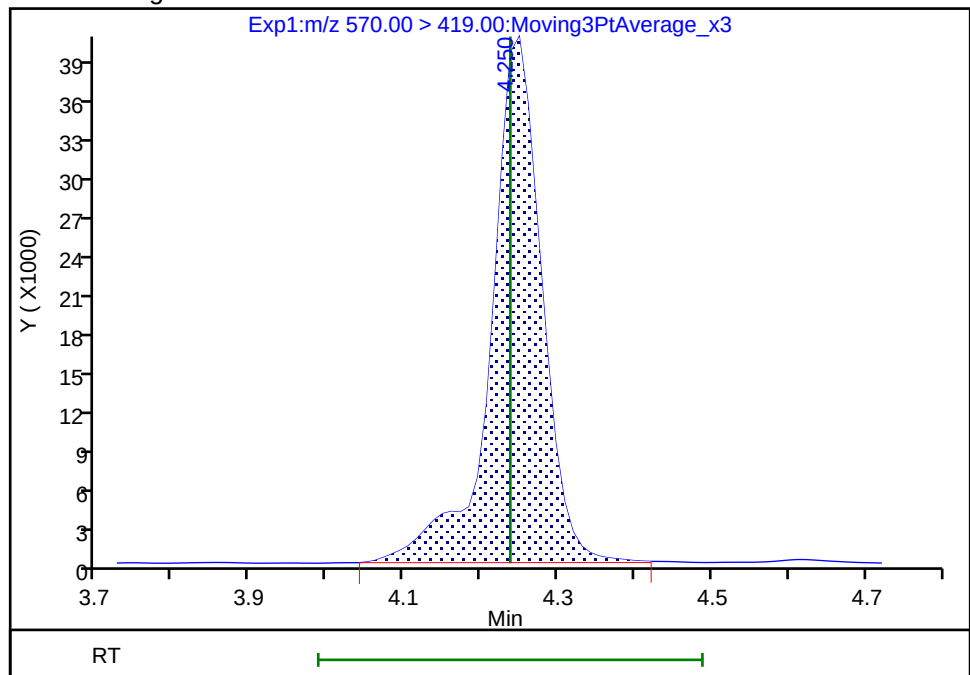
RT: 4.25
Area: 186583
Amount: 1.071702
Amount Units: ng/ml

Processing Integration Results



RT: 4.25
Area: 185097
Amount: 1.063167
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 10:16:55
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

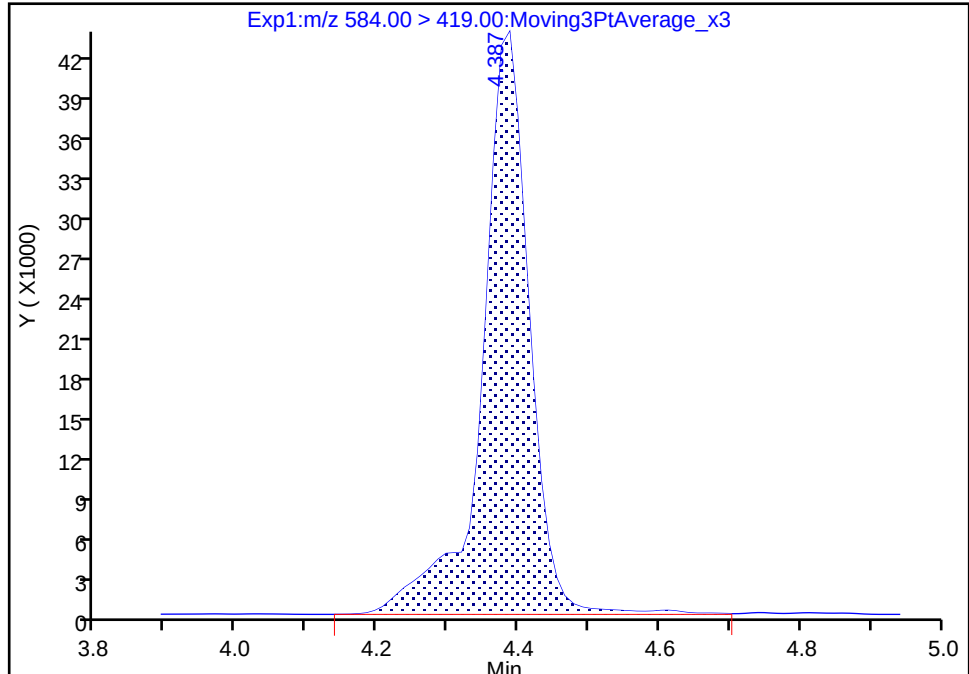
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B18.d
Injection Date: 11-Aug-2022 20:50:20 Instrument ID: LC812
Lims ID: 460-263422-A-2-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

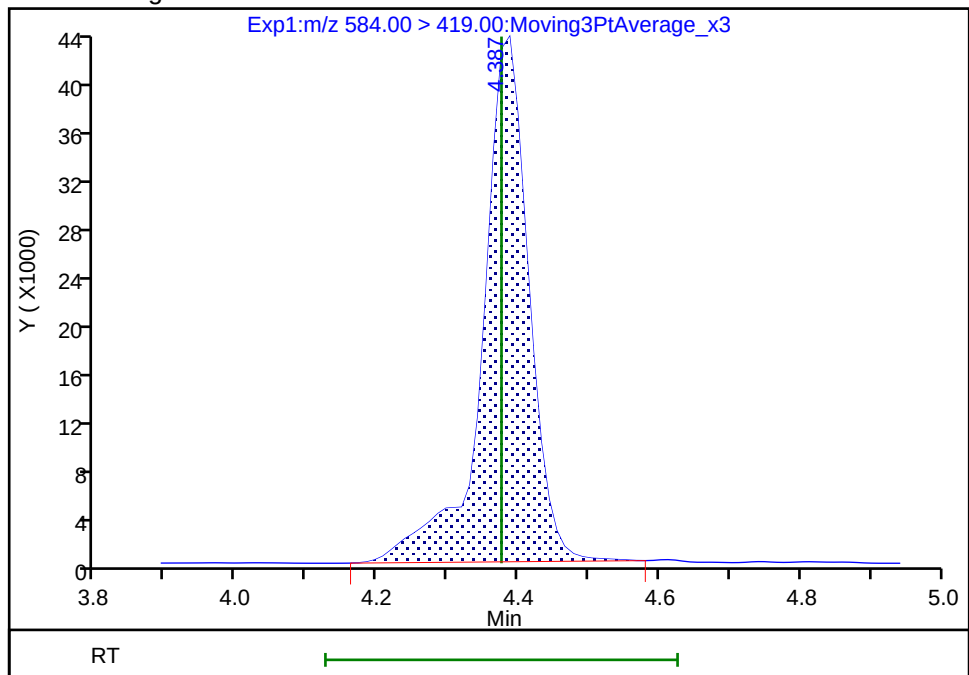
RT: 4.39
Area: 201681
Amount: 0.966270
Amount Units: ng/ml

Processing Integration Results



RT: 4.39
Area: 197681
Amount: 0.947106
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 10:17:31
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B18.d

Injection Date: 11-Aug-2022 20:50:20

Instrument ID: LC812

Lims ID: 460-263422-A-2-C MSD

Client ID:

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)

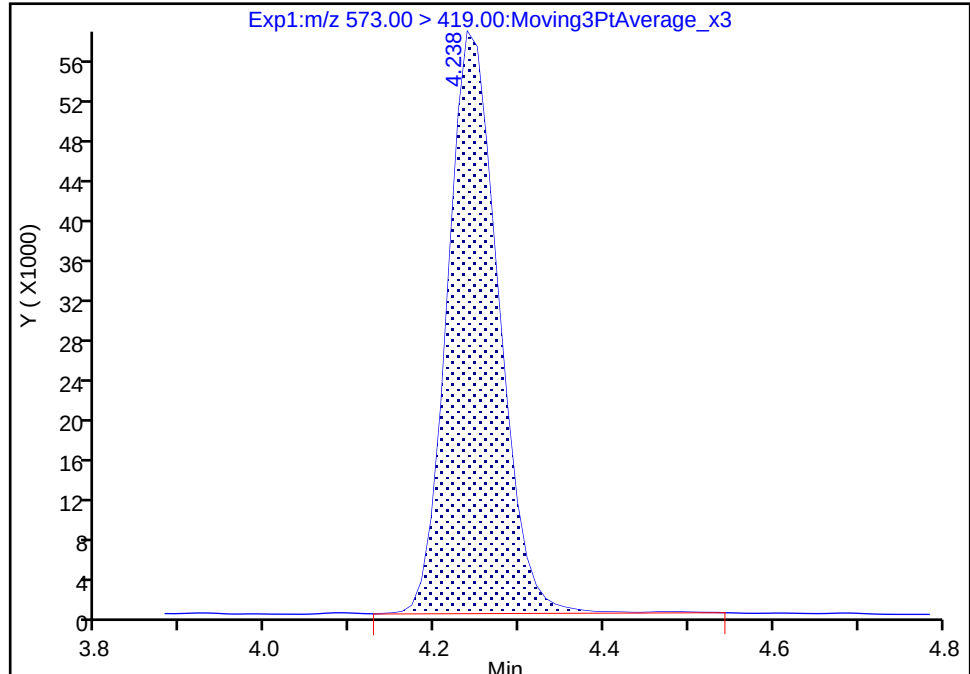
Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

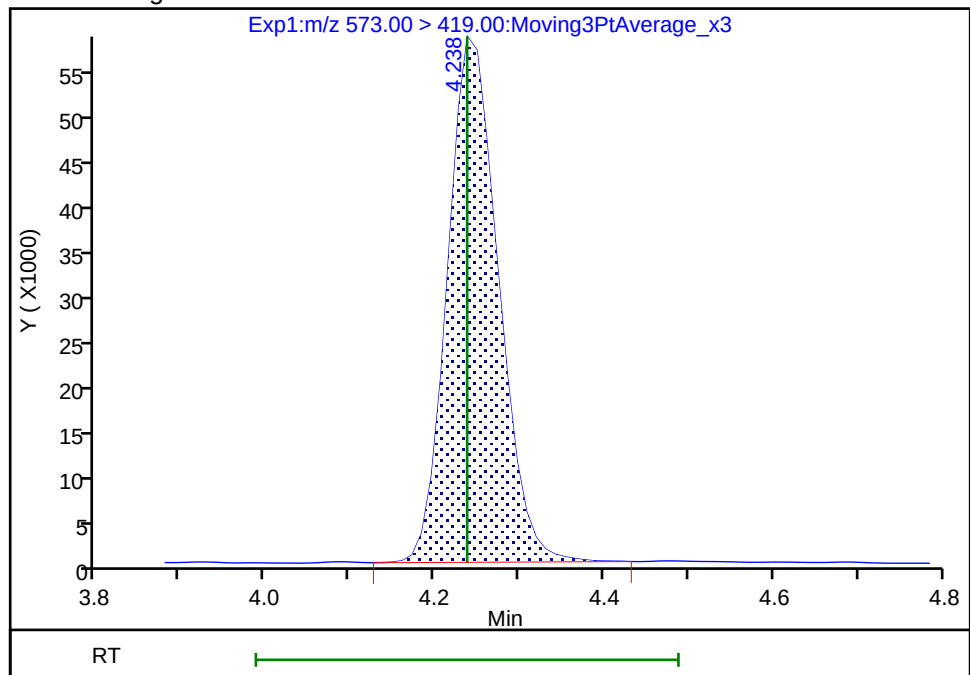
RT: 4.24
Area: 246192
Amount: 1.305316
Amount Units: ng/ml

Processing Integration Results



RT: 4.24
Area: 245042
Amount: 1.302850
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 10:13:12

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

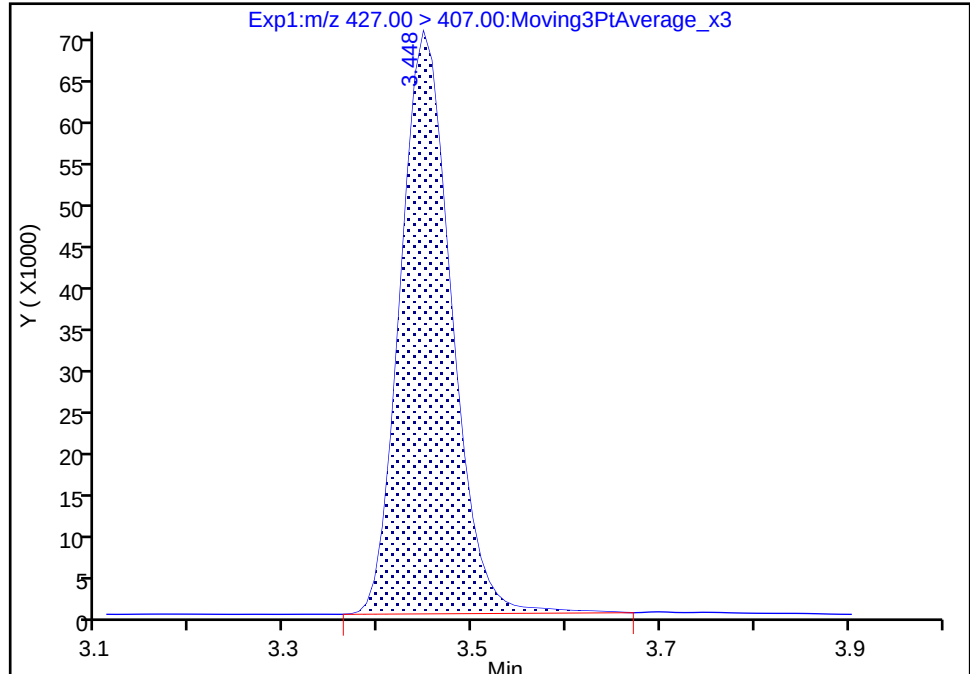
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B18.d
Injection Date: 11-Aug-2022 20:50:20 Instrument ID: LC812
Lims ID: 460-263422-A-2-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

13 1H,1H,2H,2H-perfluorooctanesulfo, CAS: 27619-97-2

Signal: 1

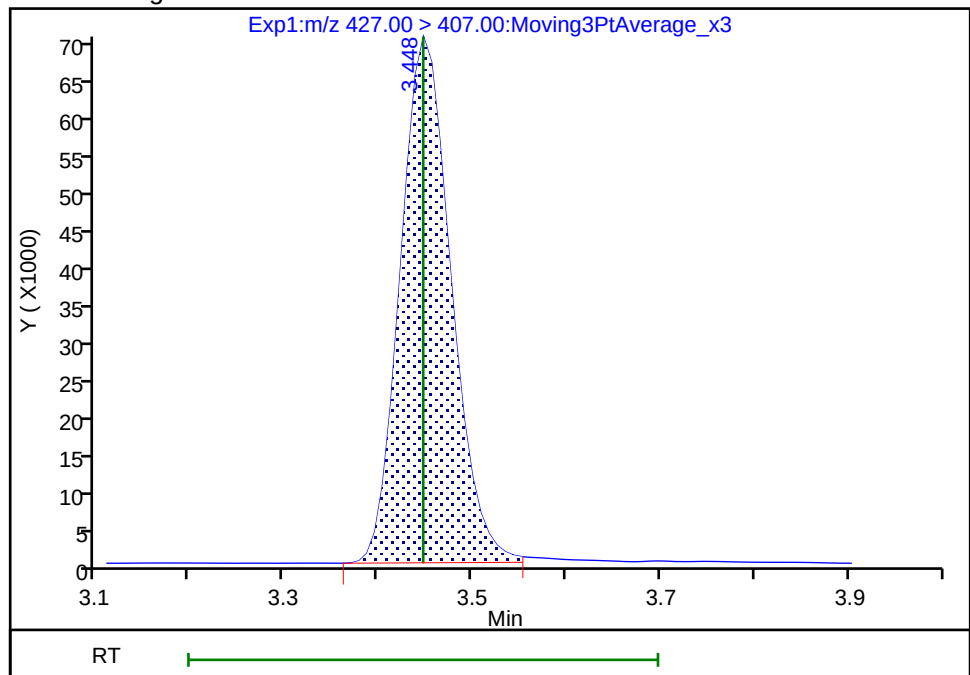
RT: 3.45
Area: 267404
Amount: 1.029168
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 265152
Amount: 1.031836
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 10:14:51

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B18.d

Injection Date: 11-Aug-2022 20:50:20

Instrument ID: LC812

Lims ID: 460-263422-A-2-C MSD

Client ID:

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)

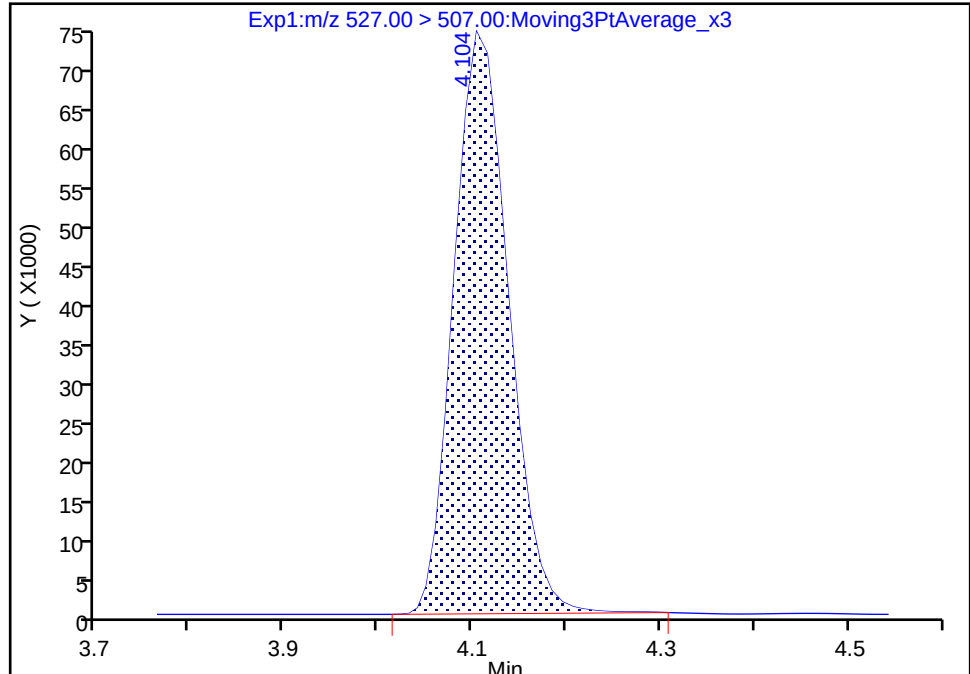
Detector: EXP1

25 1H,1H,2H,2H-perfluorodecanesulfo, CAS: 39108-34-4

Signal: 1

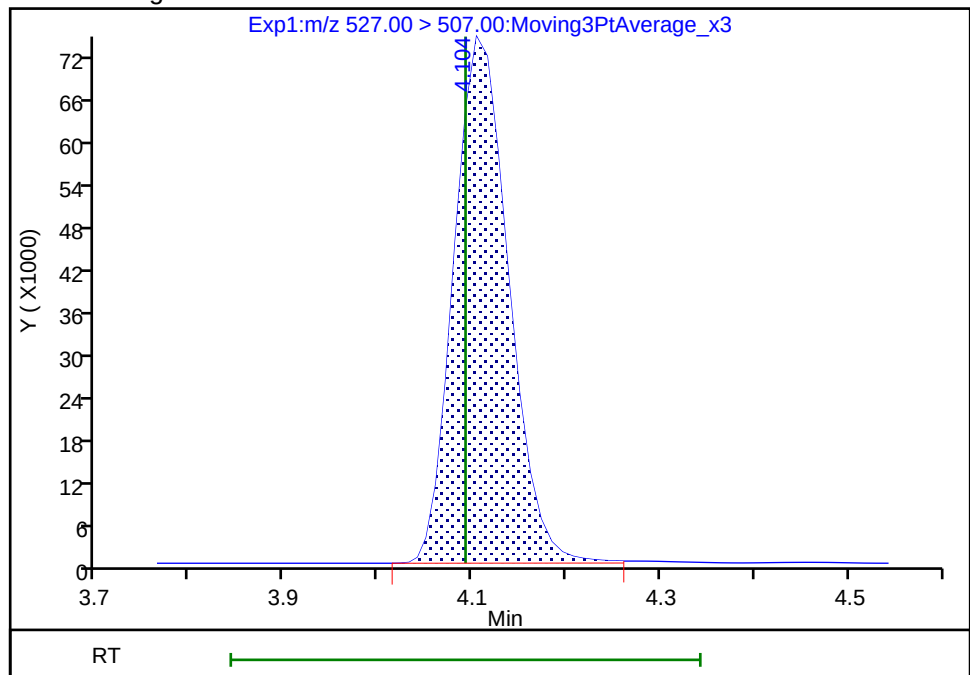
RT: 4.10
Area: 299369
Amount: 1.100422
Amount Units: ng/ml

Processing Integration Results



RT: 4.10
Area: 300361
Amount: 1.104069
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 10:16:28

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B18.d

Injection Date: 11-Aug-2022 20:50:20

Instrument ID: LC812

Lims ID: 460-263422-A-2-C MSD

Client ID:

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)

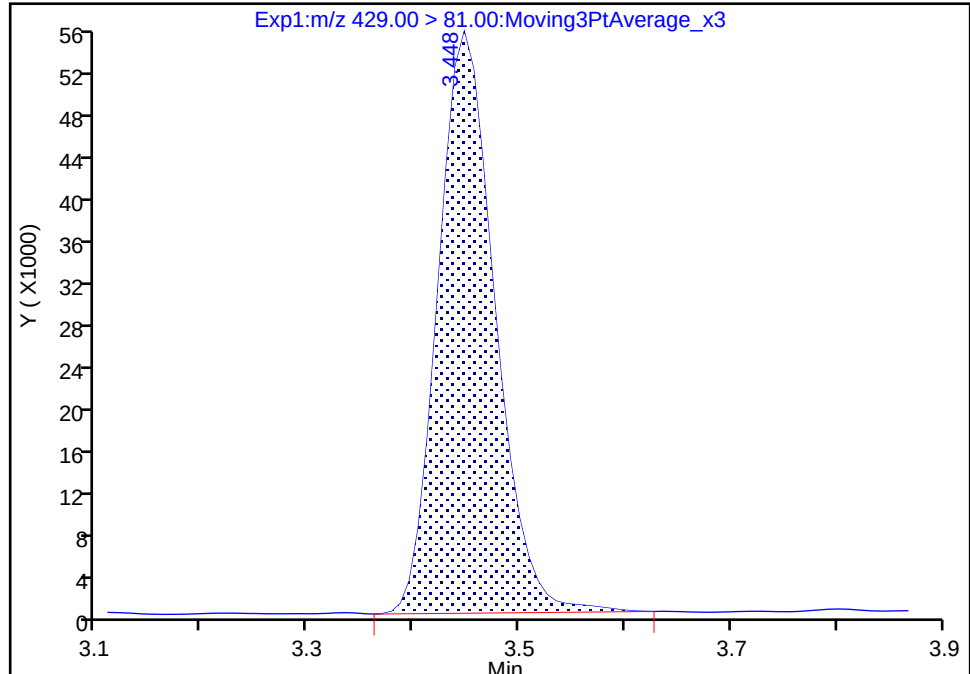
Detector: EXP1

D 12 M2-6:2 FTS, CAS: STL02279

Signal: 1

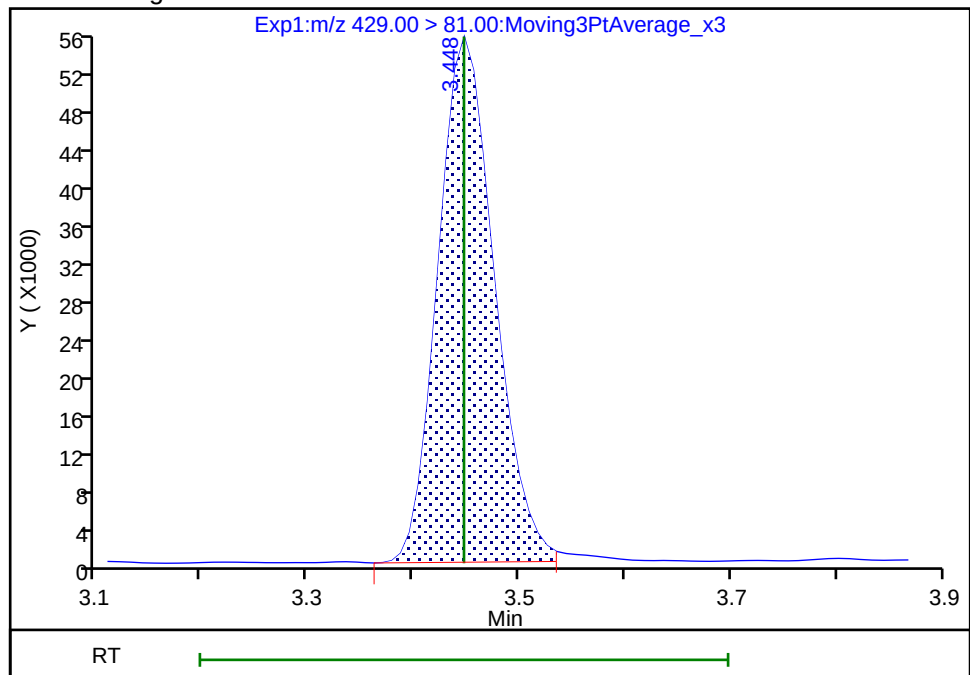
RT: 3.45
Area: 208335
Amount: 1.168658
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 206055
Amount: 1.155868
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 12-Aug-2022 12:08:39

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B18.d

Injection Date: 11-Aug-2022 20:50:20

Instrument ID: LC812

Lims ID: 460-263422-A-2-C MSD

Client ID:

Operator ID: lc812tech

ALS Bottle#: 18 Worklist Smp#: 18

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

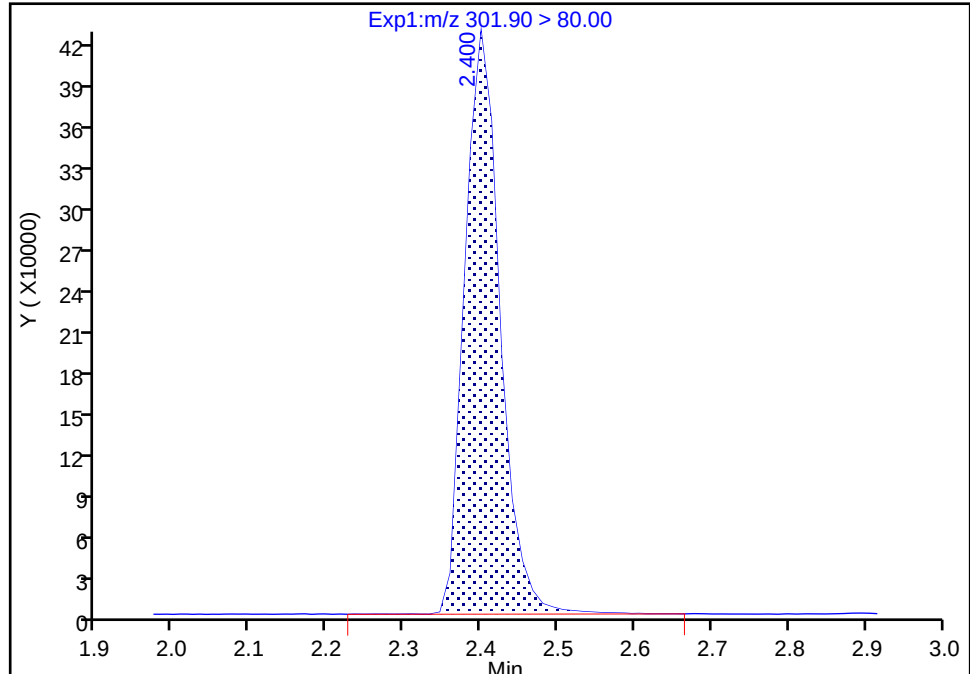
Detector: EXP1

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

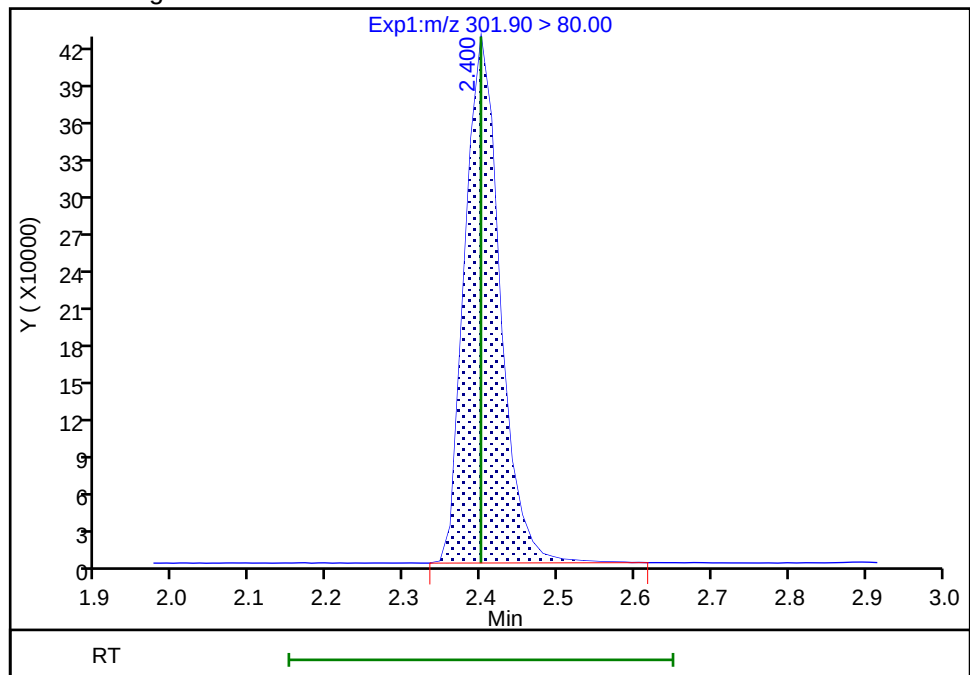
RT: 2.40
Area: 1344545
Amount: 0.885357
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 1342377
Amount: 0.886399
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 10:12:47

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

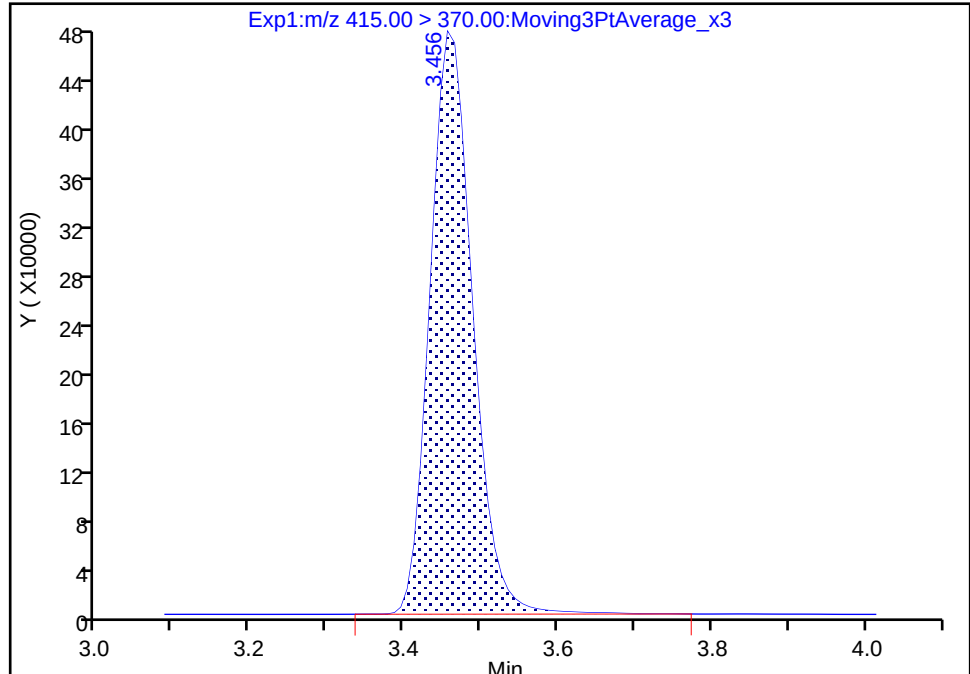
Data File: \\chromfs\Burlington\ChromData\LC812\20220811-52043.b\PA220811B18.d
Injection Date: 11-Aug-2022 20:50:20 Instrument ID: LC812
Lims ID: 460-263422-A-2-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

* 62 13C2 PFOA, CAS: STL00623

Signal: 1

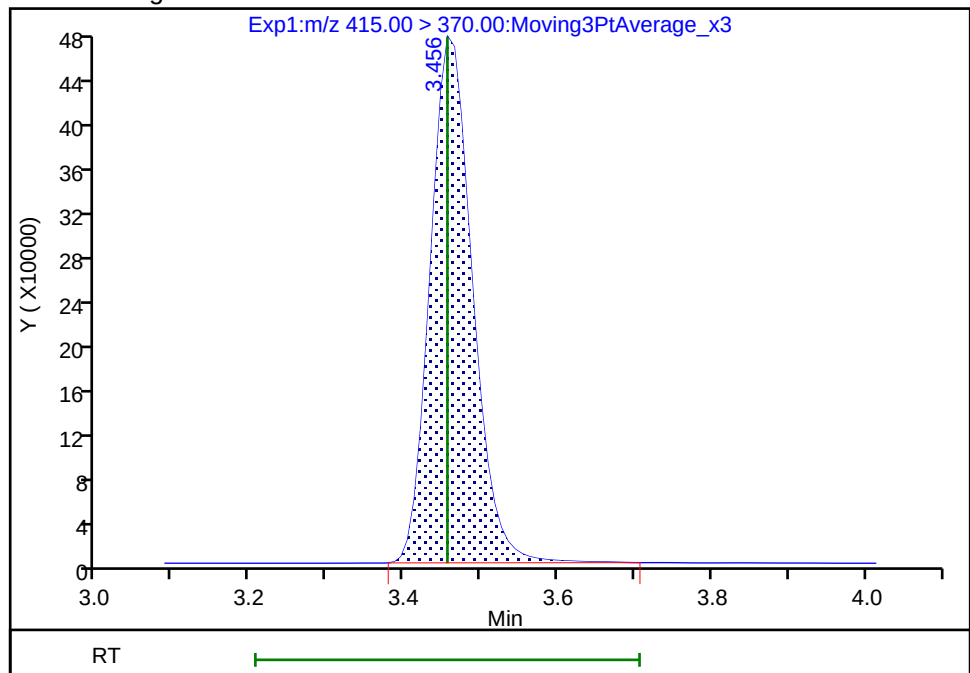
RT: 3.46
Area: 1827651
Amount: 1.250000
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 1822557
Amount: 1.250000
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 12-Aug-2022 10:13:26
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

PFAS ANALYSIS RUN LOG

Lab Name: Eurofins Burlington Job No.: 460-263208-1
 SDG No.: _____
 Instrument ID: LC812 Start Date: 08/03/2022 12:27
 Analysis Batch Number: 182319 End Date: 08/03/2022 14:05

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		08/03/2022 12:27	1		C-18 4.6 (mm)
ZZZZZ		08/03/2022 12:35	1		C-18 4.6 (mm)
ZZZZZ		08/03/2022 12:43	1		C-18 4.6 (mm)
ZZZZZ		08/03/2022 12:52	1		C-18 4.6 (mm)
IC 200-182319/5		08/03/2022 13:00	1	PA220803ICAL05. d	C-18 4.6 (mm)
IC 200-182319/6		08/03/2022 13:08	1	PA220803ICAL06. d	C-18 4.6 (mm)
IC 200-182319/7		08/03/2022 13:16	1	PA220803ICAL07. d	C-18 4.6 (mm)
ICIS 200-182319/8		08/03/2022 13:24	1	PA220803ICAL08. d	C-18 4.6 (mm)
IC 200-182319/9		08/03/2022 13:33	1	PA220803ICAL09. d	C-18 4.6 (mm)
IC 200-182319/10		08/03/2022 13:41	1	PA220803ICAL10. d	C-18 4.6 (mm)
ICB 200-182319/11		08/03/2022 13:49	1	PA220803ICAL11. d	C-18 4.6 (mm)
ICV 200-182319/12		08/03/2022 13:57	1	PA220803ICAL12. d	C-18 4.6 (mm)
ZZZZZ		08/03/2022 14:05	1		C-18 4.6 (mm)

PFAS ANALYSIS RUN LOG

Lab Name: Eurofins Burlington Job No.: 460-263208-1
 SDG No.: _____
 Instrument ID: LC812 Start Date: 08/09/2022 15:51
 Analysis Batch Number: 182508 End Date: 08/09/2022 20:37

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		08/09/2022 15:51	1		C-18 4.6 (mm)
ZZZZZ		08/09/2022 15:59	1		C-18 4.6 (mm)
ZZZZZ		08/09/2022 16:07	1		C-18 4.6 (mm)
CCB 200-182508/4		08/09/2022 16:15	1	PA220809A04.d	C-18 4.6 (mm)
CCVLIS 200-182508/5		08/09/2022 16:23	1	PA220809A05.d	C-18 4.6 (mm)
MB 200-182492/1-A		08/09/2022 16:32	1	PA220809A06.d	C-18 4.6 (mm)
LCS 200-182492/2-A		08/09/2022 16:40	1	PA220809A07.d	C-18 4.6 (mm)
ZZZZZ		08/09/2022 16:48	1		C-18 4.6 (mm)
ZZZZZ		08/09/2022 16:56	1		C-18 4.6 (mm)
ZZZZZ		08/09/2022 17:04	1		C-18 4.6 (mm)
ZZZZZ		08/09/2022 17:13	1		C-18 4.6 (mm)
ZZZZZ		08/09/2022 17:21	1		C-18 4.6 (mm)
ZZZZZ		08/09/2022 17:29	1		C-18 4.6 (mm)
ZZZZZ		08/09/2022 17:37	1		C-18 4.6 (mm)
ZZZZZ		08/09/2022 17:45	1		C-18 4.6 (mm)
ZZZZZ		08/09/2022 17:53	1		C-18 4.6 (mm)
ZZZZZ		08/09/2022 18:02	10		C-18 4.6 (mm)
CCV 200-182508/18		08/09/2022 18:10	1	PA220809A18.d	C-18 4.6 (mm)
ZZZZZ		08/09/2022 18:18	1		C-18 4.6 (mm)
200-64441-A-11-B MS		08/09/2022 18:26	1	PA220809A20.d	C-18 4.6 (mm)
200-64441-A-11-C MSD		08/09/2022 18:34	1	PA220809A21.d	C-18 4.6 (mm)
ZZZZZ		08/09/2022 18:42	1		C-18 4.6 (mm)
460-263208-5	FB-08032022P	08/09/2022 18:51	1	PA220809A23.d	C-18 4.6 (mm)
ZZZZZ		08/09/2022 18:59	1		C-18 4.6 (mm)
ZZZZZ		08/09/2022 19:07	1		C-18 4.6 (mm)
ZZZZZ		08/09/2022 19:15	1		C-18 4.6 (mm)
ZZZZZ		08/09/2022 19:23	1		C-18 4.6 (mm)
ZZZZZ		08/09/2022 19:32	1		C-18 4.6 (mm)
ZZZZZ		08/09/2022 19:40	20		C-18 4.6 (mm)
ZZZZZ		08/09/2022 19:48	1		C-18 4.6 (mm)
CCV 200-182508/31		08/09/2022 19:56	1	PA220809A31.d	C-18 4.6 (mm)
ZZZZZ		08/09/2022 20:04	1		C-18 4.6 (mm)
ZZZZZ		08/09/2022 20:12	1		C-18 4.6 (mm)
ZZZZZ		08/09/2022 20:21	1		C-18 4.6 (mm)
ZZZZZ		08/09/2022 20:29	1		C-18 4.6 (mm)
CCV 200-182508/36		08/09/2022 20:37	1		C-18 4.6 (mm)

PFAS ANALYSIS RUN LOG

Lab Name: Eurofins Burlington Job No.: 460-263208-1
 SDG No.: _____
 Instrument ID: LC812 Start Date: 08/11/2022 14:01
 Analysis Batch Number: 182581 End Date: 08/11/2022 18:22

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		08/11/2022 14:01	1		C-18 4.6 (mm)
ZZZZZ		08/11/2022 14:09	1		C-18 4.6 (mm)
ZZZZZ		08/11/2022 14:17	1		C-18 4.6 (mm)
ZZZZZ		08/11/2022 14:25	1		C-18 4.6 (mm)
CCB 200-182581/5		08/11/2022 14:34	1	PA220811A05.d	C-18 4.6 (mm)
CCVLIS 200-182581/6		08/11/2022 14:42	1	PA220811A06.d	C-18 4.6 (mm)
ZZZZZ		08/11/2022 14:50	1		C-18 4.6 (mm)
ZZZZZ		08/11/2022 14:58	1		C-18 4.6 (mm)
ZZZZZ		08/11/2022 15:06	1		C-18 4.6 (mm)
ZZZZZ		08/11/2022 15:14	1		C-18 4.6 (mm)
ZZZZZ		08/11/2022 15:23	1		C-18 4.6 (mm)
ZZZZZ		08/11/2022 15:31	1		C-18 4.6 (mm)
ZZZZZ		08/11/2022 15:39	1		C-18 4.6 (mm)
ZZZZZ		08/11/2022 15:47	1		C-18 4.6 (mm)
ZZZZZ		08/11/2022 15:55	1		C-18 4.6 (mm)
ZZZZZ		08/11/2022 16:04	1		C-18 4.6 (mm)
ZZZZZ		08/11/2022 16:12	1		C-18 4.6 (mm)
ZZZZZ		08/11/2022 16:20	1		C-18 4.6 (mm)
CCV 200-182581/19		08/11/2022 16:28	1		C-18 4.6 (mm)
ZZZZZ		08/11/2022 16:36	1		C-18 4.6 (mm)
ZZZZZ		08/11/2022 16:44	1		C-18 4.6 (mm)
ZZZZZ		08/11/2022 16:53	1		C-18 4.6 (mm)
ZZZZZ		08/11/2022 17:01	1		C-18 4.6 (mm)
ZZZZZ		08/11/2022 17:09	1		C-18 4.6 (mm)
ZZZZZ		08/11/2022 17:17	1		C-18 4.6 (mm)
ZZZZZ		08/11/2022 17:25	1		C-18 4.6 (mm)
ZZZZZ		08/11/2022 17:33	1		C-18 4.6 (mm)
ZZZZZ		08/11/2022 17:42	50		C-18 4.6 (mm)
ZZZZZ		08/11/2022 17:50	1		C-18 4.6 (mm)
ZZZZZ		08/11/2022 17:58	1		C-18 4.6 (mm)
ZZZZZ		08/11/2022 18:06	1		C-18 4.6 (mm)
ZZZZZ		08/11/2022 18:14	1		C-18 4.6 (mm)
CCV 200-182581/33		08/11/2022 18:22	1		C-18 4.6 (mm)

PFAS ANALYSIS RUN LOG

Lab Name: Eurofins Burlington Job No.: 460-263208-1
 SDG No.: _____
 Instrument ID: LC812 Start Date: 08/11/2022 18:31
 Analysis Batch Number: 182595 End Date: 08/11/2022 21:47

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 200-182595/1		08/11/2022 18:31	1	PA220811B01.d	C-18 4.6 (mm)
MB 200-182554/1-A		08/11/2022 18:39	1	PA220811B02.d	C-18 4.6 (mm)
LCS 200-182554/2-A		08/11/2022 18:47	1	PA220811B03.d	C-18 4.6 (mm)
460-263208-1	BCS-09-32 (5-5.5) P	08/11/2022 18:55	1	PA220811B04.d	C-18 4.6 (mm)
460-263208-2	BCS-09-33 (5-5.5) P	08/11/2022 19:03	1	PA220811B05.d	C-18 4.6 (mm)
460-263208-3	BCS-09-34 (5-5.5) P	08/11/2022 19:12	1	PA220811B06.d	C-18 4.6 (mm)
460-263208-4	BCS-09-35 (5-5.5) P	08/11/2022 19:20	1	PA220811B07.d	C-18 4.6 (mm)
ZZZZZ		08/11/2022 19:28	1		C-18 4.6 (mm)
ZZZZZ		08/11/2022 19:36	1		C-18 4.6 (mm)
ZZZZZ		08/11/2022 19:44	1		C-18 4.6 (mm)
ZZZZZ		08/11/2022 19:53	1		C-18 4.6 (mm)
ZZZZZ		08/11/2022 20:01	1		C-18 4.6 (mm)
ZZZZZ		08/11/2022 20:09	1		C-18 4.6 (mm)
CCV 200-182595/14		08/11/2022 20:17	1	PA220811B14.d	C-18 4.6 (mm)
ZZZZZ		08/11/2022 20:25	1		C-18 4.6 (mm)
ZZZZZ		08/11/2022 20:33	1		C-18 4.6 (mm)
460-263422-A-2-B MS		08/11/2022 20:42	1	PA220811B17.d	C-18 4.6 (mm)
460-263422-A-2-C MSD		08/11/2022 20:50	1	PA220811B18.d	C-18 4.6 (mm)
ZZZZZ		08/11/2022 20:58	1		C-18 4.6 (mm)
ZZZZZ		08/11/2022 21:06	1		C-18 4.6 (mm)
ZZZZZ		08/11/2022 21:14	1		C-18 4.6 (mm)
ZZZZZ		08/11/2022 21:23	1		C-18 4.6 (mm)
ZZZZZ		08/11/2022 21:31	1		C-18 4.6 (mm)
ZZZZZ		08/11/2022 21:39	1		C-18 4.6 (mm)
CCV 200-182595/25		08/11/2022 21:47	1	PA220811B25.d	C-18 4.6 (mm)

PFAS BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 460-263208-1

SDG No.: _____

Batch Number: 182319 Batch Start Date: 08/03/22 12:27 Batch Analyst: Dean, Nathan

Batch Method: 537 (modified) Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	LCPFAS28NCICV 00009	PFAS32NCBLK20 00021	PFAS32NCIC1 00013	PFAS32NCIC2 00012	PFAS32NCIC3 00014	PFAS32NCIC4 00033
IC 200-182319/5		537 (modified)				100 uL			
IC 200-182319/6		537 (modified)					100 uL		
IC 200-182319/7		537 (modified)						100 uL	
ICIS 200-182319/8		537 (modified)							100 uL
IC 200-182319/9		537 (modified)							
IC 200-182319/10		537 (modified)							
ICB 200-182319/11		537 (modified)			100 uL				
ICV 200-182319/12		537 (modified)		100 uL					

Lab Sample ID	Client Sample ID	Method Chain	Basis	PFAS32NCIC5 00028	PFAS32NCIC6 00012				
IC 200-182319/5		537 (modified)							
IC 200-182319/6		537 (modified)							
IC 200-182319/7		537 (modified)							
ICIS 200-182319/8		537 (modified)							
IC 200-182319/9		537 (modified)		100 uL					
IC 200-182319/10		537 (modified)			100 uL				
ICB 200-182319/11		537 (modified)							
ICV 200-182319/12		537 (modified)							

Batch Notes	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

537 (modified)

PFAS BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 460-263208-1

SDG No.: _____

Batch Number: 182319 Batch Start Date: 08/03/22 12:27 Batch Analyst: Dean, Nathan

Batch Method: 537 (modified) Batch End Date: _____

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

537 (modified)

PFAS BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 460-263208-1

SDG No.: _____

Batch Number: 182492 Batch Start Date: 08/09/22 10:37 Batch Analyst: Wisniewski, Kurtis FBatch Method: 3535 Batch End Date: 08/09/22 16:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	LCPFC32MTXStk 00045	LCPFIDA21_spk 00004
MB 200-182492/1		3535, 537 (modified)		250 g	0 g	250 mL	10 mL		100 uL
LCS 200-182492/2		3535, 537 (modified)		250 g	0 g	250 mL	10 mL	50 uL	100 uL
200-64441-A-11 MS		3535, 537 (modified)	T	318.50 g	27.09 g	291.4 mL	10 mL	50 uL	100 uL
200-64441-A-11 MSD		3535, 537 (modified)	T	315.07 g	26.33 g	288.7 mL	10 mL	50 uL	100 uL
460-263208-A-5	FB-08032022P	3535, 537 (modified)	T	340.25 g	26.97 g	313.3 mL	10 mL		100 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	PFAS21 IS Stk 00045					
MB 200-182492/1		3535, 537 (modified)		100 uL					
LCS 200-182492/2		3535, 537 (modified)		100 uL					
200-64441-A-11 MS		3535, 537 (modified)	T	100 uL					
200-64441-A-11 MSD		3535, 537 (modified)	T	100 uL					
460-263208-A-5	FB-08032022P	3535, 537 (modified)	T	100 uL					

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

537 (modified)

Page 1 of 2

PFAS BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 460-263208-1

SDG No.: _____

Batch Number: 182492 Batch Start Date: 08/09/22 10:37 Batch Analyst: Wisniewski, Kurtis FBatch Method: 3535 Batch End Date: 08/09/22 16:00

Batch Notes	
SPE Cartridge Type	Strata PFAS (WAX/GBC) 500mg/50mg/6mg
SPE Cartridge Lot ID	Sorbent Lot: M04726/125 Prod Lot: D01686
Balance ID	M02926
Manifold ID	IDA 1&2
Pipette/Syringe/Dispenser ID	QH77727
Solvent Name	Methanol (0.3% NH4OH)
Solvent Lot #	1639336
Rinse Solvent Name	30% MeOH
Rinse Solvent Lot	1641555
Analyst ID - Spike Analyst	KFW
Analyst ID - Spike Witness Analyst	NDD
Batch Comment	IDA:E MTX:D IS:D

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.: 460-263208-1

SDG No.: _____

Batch Number: 182554 Batch Start Date: 08/10/22 17:30 Batch Analyst: Kane, ElizabethBatch Method: SHAKE Batch End Date: 08/11/22 16:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	LCPFC32MTXStk 00045	LCPFIDA21_spk 00004	PFAS21 IS Stk 00045	
MB 200-182554/1		SHAKE, 537 (modified)		5.00 g	10 mL		100 uL	100 uL	
LCS 200-182554/2		SHAKE, 537 (modified)		5.00 g	10 mL	25 uL	100 uL	100 uL	
460-263208-A-1	BCS-09-32 (5-5.5) P	SHAKE, 537 (modified)	T	5.10 g	10 mL		100 uL	100 uL	
460-263208-A-2	BCS-09-33 (5-5.5) P	SHAKE, 537 (modified)	T	5.10 g	10 mL		100 uL	100 uL	
460-263208-A-3	BCS-09-34 (5-5.5) P	SHAKE, 537 (modified)	T	5.19 g	10 mL		100 uL	100 uL	
460-263208-A-4	BCS-09-35 (5-5.5) P	SHAKE, 537 (modified)	T	5.07 g	10 mL		100 uL	100 uL	
460-263422-A-2 MS		SHAKE, 537 (modified)	T	5.08 g	10 mL	25 uL	100 uL	100 uL	
460-263422-A-2 MSD		SHAKE, 537 (modified)	T	5.10 g	10 mL	25 uL	100 uL	100 uL	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

537 (modified)

Page 1 of 2

PFAS BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 460-263208-1

SDG No.: _____

Batch Number: 182554 Batch Start Date: 08/10/22 17:30 Batch Analyst: Kane, ElizabethBatch Method: SHAKE Batch End Date: 08/11/22 16:30

Batch Notes	
Balance ID	M02926
Blank Sand Lot #	1535274
Analyst ID - Reagent Drop Witness	NDD
SPE Cartridge Lot ID	Sorbent Lot: M04726/1256 Product Lot: E01686
SPE Cartridge Type	Phenomenex Strata PFAS (WAX/GCB), 500mg/50mg/6mL
Hexane ID	30% MeOH in DI Water: 1641555
Methanol ID	220056
Ammonium Hydroxide/MeOH ID	1639336
Sodium Hydroxide ID	1640352
Methanolic Potassium Hydroxide ID	1640351
Manifold ID	IDA 1, IDA 2
Acetic Acid ID	1453517
pH Indicator ID	234921U
Pipette/Syringe/Dispenser ID	QH777727
Analyst ID - IS Reagent Drop	KFW
Analyst ID - IS Reagent Drop Witness	NDD
Internal Standard ID	1636756
Analyst ID - Aliquot Step	EK
Analyst ID - Final Volume Step	EK
Sonication Start Time	08/11/2022 09:15
Sonication Stop Time	08/11/2022 12:15
Centrifuge Tube ID	352070
QC Bottle Lot ID	LOT0400401G
Batch Comment	IDA:G MTX:F IS:F

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.: 460-263208-1

SDG No.: _____

Batch Number: 182581 Batch Start Date: 08/11/22 14:01 Batch Analyst: Dean, NathanBatch Method: 537 (modified) Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	PFAS32NCBLK20 00021	PFAS32NCLOQV 00022				
CCB 200-182581/5		537 (modified)		100 uL					
CCVLIS 200-182581/6		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.

537 (modified)

Page 1 of 1

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: Eurofins Burlington Job Number: 460-263208-1

SDG No.: _____

Project: Taconic Inwood Lot 9

Client Sample ID	Lab Sample ID
<u>BCS-09-32 (5-5.5) P</u>	<u>460-263208-1</u>
<u>BCS-09-33 (5-5.5) P</u>	<u>460-263208-2</u>
<u>BCS-09-34 (5-5.5) P</u>	<u>460-263208-3</u>
<u>BCS-09-35 (5-5.5) P</u>	<u>460-263208-4</u>

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Burlington Job Number: 460-263208-1
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.: 460-263208-1

SDG No.: _____

Instrument ID: NOEQUIP Method: Moisture

Start Date: 08/08/2022 14:19 End Date: 08/08/2022 14:19

Lab Sample ID	D / F	T y p e	Time	Analytes															
				% S o l															
ZZZZZZ			14:19																
ZZZZZZ			14:19																
ZZZZZZ			14:19																
ZZZZZZ			14:19																
ZZZZZZ			14:19																
ZZZZZZ			14:19																
ZZZZZZ			14:19																
ZZZZZZ			14:19																
ZZZZZZ			14:19																
ZZZZZZ			14:19																
ZZZZZZ			14:19																
ZZZZZZ			14:19																
ZZZZZZ			14:19																
ZZZZZZ			14:19																
ZZZZZZ			14:19																
ZZZZZZ			14:19																
ZZZZZZ			14:19																
ZZZZZZ			14:19																
ZZZZZZ			14:19																
ZZZZZZ			14:19																
ZZZZZZ			14:19																
ZZZZZZ			14:19																
ZZZZZZ			14:19																
ZZZZZZ			14:19																
ZZZZZZ			14:19																
ZZZZZZ			14:19																
ZZZZZZ			14:19																
ZZZZZZ			14:19																
ZZZZZZ			14:19																
200-64450-A-8 DU	1	T	14:19	X															
ZZZZZZ			14:19																
ZZZZZZ			14:19																
ZZZZZZ			14:19																
ZZZZZZ			14:19																
ZZZZZZ			14:19																
460-263208-1	1	T	14:19	X															
460-263208-2	1	T	14:19	X															
460-263208-3	1	T	14:19	X															
460-263208-4	1	T	14:19	X															
ZZZZZZ			14:19																
ZZZZZZ			14:19																
ZZZZZZ			14:19																

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Burlington Job No.: 460-263208-1

SDG No.: _____

Instrument ID: NOEQUIP Method: Moisture

Start Date: 08/08/2022 14:19 End Date: 08/08/2022 14:19

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				% S o l																	
ZZZZZZ			14:19																		
ZZZZZZ			14:19																		
ZZZZZZ			14:19																		
ZZZZZZ			14:19																		
ZZZZZZ			14:19																		
ZZZZZZ			14:19																		

Prep Types

T = Total/NA

General Chemistry Raw Data Report

Job ID: 460-263208-1

Batch: 182447
Method: Moisture

Analyst Initials: RWM
Instrument: No Equipment

Lab Sample ID: 200-64450-A-8 DU

Analysis Date: Aug 08, 2022 14:19

Analyte	Detector	Dilution	Raw Result	Unit
Percent Solids	None	1	77.3162939297125	%

Lab Sample ID: 460-263208-A-1

Analysis Date: Aug 08, 2022 14:19

Analyte	Detector	Dilution	Raw Result	Unit
Percent Solids	None	1	89.2561983471074	%

Lab Sample ID: 460-263208-A-2

Analysis Date: Aug 08, 2022 14:19

Analyte	Detector	Dilution	Raw Result	Unit
Percent Solids	None	1	86.7418899858956	%

Lab Sample ID: 460-263208-A-3

Analysis Date: Aug 08, 2022 14:19

Analyte	Detector	Dilution	Raw Result	Unit
Percent Solids	None	1	85.9045504994451	%

Lab Sample ID: 460-263208-A-4

Analysis Date: Aug 08, 2022 14:19

Analyte	Detector	Dilution	Raw Result	Unit
Percent Solids	None	1	85.1648351648352	%

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 460-263208-1

SDG No.: _____

Batch Number: 182447 Batch Start Date: 08/08/22 14:19 Batch Analyst: McNabb, Robert WBatch Method: Moisture Batch End Date: 08/09/22 10:31

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry	%_Moisture	%_Solid	
200-64450-A-8 DU		Moisture	T	0.99 g	10.38 g	8.25 g	22.683706070287 5 %	77.316293929712 5 %	
460-263208-A-1	BCS-09-32 (5-5.5) P	Moisture	T	1.02 g	9.49 g	8.58 g	10.743801652892 6 %	89.256198347107 4 %	
460-263208-A-2	BCS-09-33 (5-5.5) P	Moisture	T	1.03 g	8.12 g	7.18 g	13.258110014104 4 %	86.741889985895 6 %	
460-263208-A-3	BCS-09-34 (5-5.5) P	Moisture	T	0.99 g	10.00 g	8.73 g	14.095449500554 9 %	85.904550499445 1 %	
460-263208-A-4	BCS-09-35 (5-5.5) P	Moisture	T	1.01 g	8.29 g	7.21 g	14.835164835164 8 %	85.164835164835 2 %	

Batch Notes	
Balance ID	M78711
Oven ID	WC OVEN #2
Thermometer ID	328 (CF=0)
Date samples were placed in the oven	08/08/2022
Time samples were place in the oven	14:19
Temperature - Start - Uncorrected	108 Degrees C
Oven Temp In	108 Degrees C
Date samples were removed from oven	08/09/2022
Time Samples were removed from oven	10:00
Temperature - End - Uncorrected	109 Degrees C
Oven Temp Out	109 Degrees C
Date and Time Samples in Desiccator	08/09/2022 10:00
Date and Time Samples out of Desiccator	08/09/2022 10:15

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Moisture

Page 1 of 1

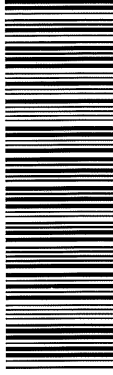
Subcontract Data

Shipping and Receiving Documents

Client Information		Lab PW: Haas, Melissa		Carrier Tracking No(s):		COC No:	
Client Contact: Ms. Valerie Sabatasso		E-Mail: Melissa.Haas@et.eurofins.com		State of Origin: NY		Page of 1 of 1	
Company: Roux Environmental Eng & Geology DPC		PWSID:		Analysis Requested		Job #: 263208	
Address: 209 Shafter St		Due Date Requested:		TAT Requested (days): 5 DAYS		Preservation Codes:	
City: Islandia		Compliance Project: Δ Yes Δ No		PO #: 2477.0008Y002		A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:	
State, Zip: NY, 11749		WO #: 410 W 207th St, New York, NY		Project #: 46026799		M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	
Phone:		SSOW#:		Field Filtered Sample (Yes or No)		Total Number of Containers	
Email: vsabatasso@rouxinc.com		Sample Date		Sample Time		Sample Matrix	
Project Name: Taconic Inwood		Sample Type (C=comp, G=grab)		Preservation Code:		Special Instructions/Note:	
Site:		Sample Date		Sample Time		1 2 3 4 5	
Sample Identification		Sample Date		Sample Time		1 2 3 4 5	
BLS-09-32 (5-5.5)P		8/3/22		1305		1	
BLS-09-33 (5-5.5)P		↓		1325		2	
BLS-09-34 (5-5.5)P		↓		1315		3	
BLS-09-35 (5-5.5)P		↓		1335		4	
FB-08032022P		↓		1205		5	
SUB WORK							
Possible Hazard Identification		Skin Irritant		Poison B		Radiological	
Deliverable Requested: I, II, III, IV, Other (specify)		NY CAT B					
Empty Kit Relinquished by:		Date:		Time:		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	
Relinquished by:		Date:		Time:		Return To Client	
Relinquished by:		Date:		Time:		Disposal By Lab	
Relinquished by:		Date:		Time:		Archive For Months	
Custody Seals Intact: Δ Yes Δ No		Custody Seal No.:		Cooler Temperature (°C and Other Remarks):		Special Instructions/QC Requirements:	
Relinquished by: [Signature]		Date: 8/12/22		Time: 1430		Received by: [Signature]	
Relinquished by: [Signature]		Date: 8/12/22		Time: 1600		Received by: [Signature]	
Relinquished by: [Signature]		Date: 8/15/22		Time: 1800		Received by: [Signature]	
Custody Seals Intact: Δ Yes Δ No		Custody Seal No.:		Cooler Temperature (°C and Other Remarks):		Special Instructions/QC Requirements:	

Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record



ofins

Environment Testing
America

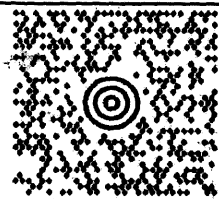
Client Information (Sub Contract Lab)											
Sampler Lab PM Haas, Melissa E-Mail Melissa.Haas@et.eurofinsus.com	Phone NELAP - New York										
Address TestAmerica Laboratories, Inc. 530 Community Drive, Suite 11, South Burlington Vt, 05403 VT, 05403		State of Origin New York									
City South Burlington		Page Page 1 of 1									
Due Date Requested: 8/15/2022		Job # 460-263208-1									
TAT Requested (days):		Preservation Codes:									
P.O.#	A-HCL M - Hexane	B-NaOH N - None	O - AsNaO2 P - Na2SO3 Q - Na2SO4 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Y - Trizma Z - other (specify) Other:								
Project Name Taconic Inwood	WO #										
Site	SSOW#										
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/3635_IVWT PFAS, Standard List (21)	Total Number of Containers	Special Instructions/Note:
PCS-09-32 (5-5 5)P (460-263208-1)	8/3/22	13:05 Eastern	Solid	X	X	X	X	X	X	1	
PCS-09-33 (5-5 5)P (460-263208-2)	8/3/22	13:25 Eastern	Solid	X	X	X	X	X	X	1	
PCS-09-34 (5-5 5)P (460-263208-3)	8/3/22	13:15 Eastern	Solid	X	X	X	X	X	X	1	
PCS-09-35 (5-5 5)P (460-263208-4)	8/3/22	13:35 Eastern	Solid	X	X	X	X	X	X	1	
FB-08032022P (460-263208-5)	8/3/22	12:05 Eastern	Water	X	X	X	X	X	X	2	
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our 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/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 complicity to Eurofins Environment Testing Northeast, LLC											
Possible Hazard Identification											
Unconfirmed											
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 1											
Empty Kit Relinquished by:											
Date/Time	Date	Company	Received by:	Date/Time	Company	Returned To Client	Disposal By Lab	Archive For	Months		
Relinquished by	8/4/22	EETM	8/4/22	1600	ETM	8/15/2022	10:49	JAB	10		
Relinquished by											
Relinquished by											
Custody Seals Intact:	Cooler Temperature(s) °C and Other Remarks										
Δ Yes Δ No											

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
SOUTH BURLINGTON VT 05403



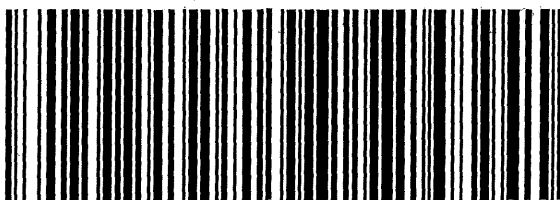
VT 054 0-02



UPS NEXT DAY AIR

TRACKING #: 1Z 73R 91R 01 9929 8344

1



BILLING: P/P



TM

XOL 22.08.04

NV45 32.0A 07/2022*

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-263208-1

Login Number: 263208

List Source: Eurofins Edison

List Number: 1

Creator: Narinkhum, Nudjarin 1

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-263208-1

Login Number: 263208
List Number: 2
Creator: Cunningham, Caroline R

List Source: Eurofins Burlington
List Creation: 08/05/22 02:26 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	1501774
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	2.0°C
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	Received project as a subcontract.
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	